

## DRAWING LOG 09/04/19

## BY PRODUCT

| Dwg Int | Dwg # | Rev # | Date     | Product Abreviation | Description  |
|---------|-------|-------|----------|---------------------|--|
| M       | 08051 |       | 10/30/12 | 4040 RFH            | 6 5/8" COUPLING  |
| I       | 06647 |       | 10/12/04 | AMT                 | 2 1/16" AMT rotary shouldered connection - thread dia. set. dim. for rod style stds. |
| M       | 07504 |       | 07/22/10 | AM MT               | 7/8" EXTERNAL THREAD FORM  |
| M       | 07505 |       | 07/22/10 | AM MT               | 7/8" INTERNAL THREAD FORM  |
| M       | 07506 |       | 07/22/10 | AM MT               | 7/8" PIN   |
| M       | 07507 |       | 07/22/10 | AM MT               | 7/8" BOX   |
| M       | 06703 |       | 01/24/05 | API 5CT SEAL RING   | 1.050" - 20" SEAL RING GROOVE FOR API 5CT  |
| M       | 05327 | G     | 01/19/09 | API BUTTRESS        | 4 1/2" - 8 5/8" PIN  |
| M       | 05325 | D     | 12/22/11 | API BUTTRESS        | 4 1/2" - 20" COUPLING  |
| A       | 05814 | E     | 12/22/11 | API BUTTRESS        | 4 1/2" - 20" ACCESSORY BOX   |
| M       | 05328 | G     | 01/19/09 | API BUTTRESS        | 9 5/8" - 20" PIN   |
| M       | 07187 |       | 04/23/08 | API EUE             | 3 1/2" 10.20# EUE 8RD PIN x 3 1/2" 10.20# VAM TOP PIN CROSSOVER SUB                  |
| M       | 05287 | D     | 01/19/09 | API EUE 8 & 10 RD   | 1.050" - 4 1/2" COUPLING   |
| M       | 05288 | E     | 01/19/09 | API EUE 8 & 10 RD   | 1.050" - 4 1/2" PIN  |
| A       | 05815 | C     | 01/19/09 | API EUE 8 RD        | 1.050" - 4 1/2" ACCESSORY BOX  |
| G       | 07551 |       | 09/13/10 | API EXTREME LINE    | 5 1/2" 23# SOFT SETTING STANDARD - PIN   |
| G       | 07552 |       | 09/13/10 | API EXTREME LINE    | 5 1/2" 23# SOFT SETTING STANDARD - BOX   |
| G       | 07553 |       | 09/13/10 | API EXTREME LINE    | 7" 35# SOFT SETTING STANDARD - PIN   |
| G       | 07554 |       | 09/13/10 | API EXTREME LINE    | 7" 35# SOFT SETTING STANDARD - BOX   |
| M       | 05307 | E     | 12/22/11 | API LTC 8 RD        | 4 1/2" - 20" COUPLING  |
| M       | 05308 | D     | 01/19/09 | API LTC 8 RD        | 4 1/2" - 20" PIN   |
| A       | 05813 | D     | 12/22/11 | API LTC 8 RD        | 4 1/2" - 20" ACCESSORY BOX   |
| M       | 07091 |       | 10/19/07 | API LTC 8 RD        | 7 5/8" LC PIN x 3 1/2" NU BOX TEST SUB   |
| M       | 07092 |       | 10/19/07 | API LTC 8 RD        | 7 5/8" LC BOX x 3.000" LINE PIPE TEST SUB  |
| M       | 06267 |       | 11/30/93 | API LTC 8 RD        | 7 5/8" 26.40# CEMENT LINED RING  |
| M       | 06268 |       | 11/30/93 | API LTC 8 RD        | 7 5/8" 26.40# CEMENT LINED TEFLON RING   |
| M       | 06269 |       | 01/26/94 | API LTC 8 RD        | 7 5/8" 26.40# CEMENT LINED RING, 1" WIDE   |
| M       | 06270 |       | 01/26/94 | API LTC 8 RD        | 7 5/8" 26.40# CEMENT LINED TEFLON RING (1" RING)                                     |
| M       | 06794 | B     | 08/10/05 | API LTC 8 RD        | 9 5/8" API LC (LTC) PIN ON 9 7/8" 62.80# PIPE - BLANKING DETAIL                      |
| M       | 05357 | C     | 01/19/09 | API NUE 8 & 10 RD   | 1.050" - 4 1/2" COUPLING   |
| M       | 05358 | D     | 01/19/09 | API NUE 8 & 10 RD   | 1.050" - 4 1/2" PIN  |
| A       | 05817 | D     | 01/19/09 | API NUE 8 & 10 RD   | 1.050" - 4 1/2" ACCESSORY BOX  |
| G       | 06264 |       | 04/15/03 | API NUE 8 & 10 RD   | 2 3/8" - 4 1/2" API NUE PIN SETTING STANDARD   |
| G       | 06265 |       | 04/15/03 | API NUE 8 & 10 RD   | 2 3/8" - 4 1/2" API NUE COUPLING P.D. SETTING STANDARD                               |
| M       | 05890 |       | 01/11/02 | API SPEC 7          | 1" - 8 5/8" REGULAR PIN  |
| M       | 05891 | A     | 04/04/17 | API SPEC 7          | 1" - 8 5/8" REGULAR BOX  |
| M       | 05892 |       | 01/11/02 | API SPEC 7          | 5 1/2" & 6 5/8" FULL-HOLE PIN  |
| M       | 05893 | A     | 04/04/17 | API SPEC 7          | 5 1/2" & 6 5/8" FULL-HOLE BOX  |
| M       | 05883 |       | 01/10/02 | API SPEC 7          | EXTERNAL THREAD FORM: V-0.038R 2 TPF ROTARY CONNECTION                               |

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| M       | 05881 |       | 01/10/02 | API SPEC 7          | EXTERNAL THREAD FORM: V-0.038R 3 TPF ROTARY CONNECTION       |
| M       | 05879 |       | 01/10/02 | API SPEC 7          | EXTERNAL THREAD FORM: V-0.040 3 TPF ROTARY CONNECTION        |
| M       | 05877 |       | 01/10/02 | API SPEC 7          | EXTERNAL THREAD FORM: V-0.050 2 TPF ROTARY CONNECTION        |
| M       | 05875 |       | 01/10/02 | API SPEC 7          | EXTERNAL THREAD FORM: V-0.050 3 TPF ROTARY CONNECTION        |
| M       | 05873 |       | 01/10/02 | API SPEC 7          | EXTERNAL THREAD FORM: V-0.055 ROTARY CONNECTION              |
| M       | 05884 |       | 01/10/02 | API SPEC 7          | INTERNAL THREAD FORM: V-0.038R 2 TPF ROTARY CONNECTION       |
| M       | 05882 |       | 01/10/02 | API SPEC 7          | INTERNAL THREAD FORM: V-0.038R 3 TPF ROTARY CONNECTION       |
| M       | 05880 |       | 01/10/02 | API SPEC 7          | INTERNAL THREAD FORM: V-0.040 3 TPF ROTARY CONNECTION        |
| M       | 05878 |       | 01/10/02 | API SPEC 7          | INTERNAL THREAD FORM: V-0.050 2 TPF ROTARY CONNECTION        |
| M       | 05876 |       | 01/10/02 | API SPEC 7          | INTERNAL THREAD FORM: V-0.050 3 TPF ROTARY CONNECTION        |
| M       | 05874 |       | 01/10/02 | API SPEC 7          | INTERNAL THREAD FORM: V-0.055 ROTARY CONNECTION              |
| M       | 05888 |       | 01/11/02 | API SPEC 7          | NC23 - NC77 PIN  |
| M       | 05889 | A     | 04/04/17 | API SPEC 7          | NC23 - NC77 BOX  |
| M       | 06849 |       | 12/16/05 | API SPEC 7          | OPTIONAL "H-SERIES" BENCHMARK ON BOX                         |
| M       | 06848 |       | 12/16/05 | API SPEC 7          | OPTIONAL "H-SERIES" BENCHMARK ON PIN                         |
| I       | 06996 |       | 03/05/07 | API SPEC 7          | V-0.040 3 TPF THREAD FORM PER API SPEC 7 - COMPENSATED       |
| M       | 05311 | D     | 12/22/11 | API STC 8 RD        | 4 1/2" - 20" COUPLING  |
| M       | 05312 | C     | 01/19/09 | API STC 8 RD        | 4 1/2" - 20" PIN   |
| A       | 05816 | D     | 12/22/11 | API STC 8 RD        | 4 1/2" - 20" ACCESSORY BOX                                   |
| I       | 01507 |       | 8-3-89   | BLOCK OFFSETS       | 2 3/8 - 3 1/2" SL, SLPC & SLHC tubing box                    |
| I       | 01493 |       | 8-29-89  | BLOCK OFFSETS       | 2 3/8 - 3 1/2" SL, TC NU-Lock & IJ NU-Lock tubing pin        |
| I       | 01516 |       | 8-4-89   | BLOCK OFFSETS       | 2 3/8 - 3 1/2" TC NU-Lock & TC NU-Lock PC tubing box         |
| I       | 02481 | B     | 6-18-97  | BLOCK OFFSETS       | 7 5/8 - 20" Boss casing box mic-trac riser block settings    |
| M       | 06862 | A     | 01/19/09 | BUTTRESS            | 13 5/8" 88.20# PIN (NON STANDARD API)                        |
| M       | 06863 |       | 02/15/06 | BUTTRESS            | 13 5/8" 88.20# COUPLING (NON STANDARD API)                   |
| I       | 06864 |       | 02/15/06 | BUTTRESS            | 13 5/8" 88.20# GAGE SETTING DIMENSIONS (NON STANDARD API)    |
| A       | 06962 |       | 01/17/07 | BUTTRESS            | 13 5/8" 88.20# ACCESSORY BOX (NON STANDARD API)              |
| M       | 06806 | B     | 01/19/09 | BUTTRESS            | 14" 99# - 112.60# PIN (NON STANDARD API)                     |
| M       | 06807 | A     | 12/08/05 | BUTTRESS            | 14" 99# - 112.60# COUPLING (NON STANDARD API)                |
| I       | 06808 | A     | 12/08/05 | BUTTRESS            | 14" 99# - 122.60# GAGE SETTING DIMENSIONS (NON STANDARD API) |
| M       | 07204 | A     | 01/19/09 | BUTTRESS            | 16" 65# PIN (NON STANDARD API)                               |
| P       | 07772 | B     | 07/07/11 | CWC                 | ACCESSORY BLANKING DIMS PIN & BOX                            |
| M       | 07671 | B     | 06/21/11 | CWC                 | 9 5/8" END SEAL  |
| G       | 07672 | B     | 06/21/11 | CWC                 | 9 5/8" ALL WEIGHTS PIN SET. STD. - EDM FRAME STYLE           |
| G       | 07673 | B     | 05/19/11 | CWC                 | 9 5/8" ALL WEIGHTS COUPLING SET. STD. - EDM FRAME STYLE      |
| M       | 07669 | B     | 06/21/11 | CWC                 | 9 5/8" 47# PIN   |
| M       | 07670 | B     | 06/21/11 | CWC                 | 9 5/8" 47# COUPLING  |
| M       | 07471 | E     | 06/21/11 | CWC                 | 13 3/8" END SEAL   |
| M       | 07469 | E     | 06/21/11 | CWC                 | 13 3/8" 68# COUPLING   |

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| M       | 07470 | E     | 06/21/11 | CWC                    | 13 3/8" 68# PIN  |
| I       | 07484 | C     | 06/21/11 | CWC                    | 13 3/8" 68# PIN & BOX GAGE SET. DIMS FOR ROD STYLE STDS.                             |
| G       | 07500 | C     | 06/21/11 | CWC                    | 13 3/8" ALL WEIGHTS PIN SET STD - EDM FRAME STYLE                                    |
| G       | 07499 | B     | 06/21/11 | CWC & CCWC             | 13 3/8" ALL WEIGHTS CPLG SET. STD. - EDM FRAME STYLE                                 |
| M       | 07498 | B     | 06/21/11 | CCWC                   | 13 3/8" COUPLING   |
| P       | 09517 |       | 04/09/18 | END CAP                | 16.XXX"  |
| P       | 09518 |       | 04/09/18 | END CAP                | 14.XXX"  |
| G       | 00898 | A     | 3-26-90  | IJNL                   | 2 3/8" Pin setting standard for all grades   |
| G       | 00904 | A     | 8-22-90  | IJNL                   | 2 3/8" Coupling setting standard for J, L & N grades                                 |
| I       | 01567 |       | 5-30-89  | IJNL                   | 2 3/8" Box gage offsets  |
| I       | 01581 |       | 6-20-89  | IJNL                   | 2 3/8" Pin gage offsets  |
| I       | 01582 |       | 6-20-89  | IJNL                   | 2 3/8" Pin and box depth setting dimensions  |
| A       | 00831 | A     | 1-24-90  | IJNL                   | 2 3/8 - 3 1/2" Pin coating mask  |
| A       | 00836 | A     | 1-24-90  | IJNL                   | 2 3/8 - 3 1/2" Accessory box coating mask  |
| I       | 00937 |       | 4-9-88   | IJNL                   | 2 3/8 - 3 1/2" Box gage setting information for all grades                           |
| M       | 01288 |       | 2-2-89   | IJNL                   | 2 3/8 - 3 1/2" Box connector (all grades)  |
| I       | 01515 |       | 8-4-89   | IJNL                   | 2 3/8 - 3 1/2" Tubing box mic-trac block offsets & riser block settings              |
| G       | 00899 | A     | 3-26-90  | IJNL                   | 2 7/8" Pin setting standard for all grades   |
| G       | 00905 |       | 4-9-88   | IJNL                   | 2 7/8" Coupling setting standard for J, L & N grades                                 |
| I       | 01503 | A     | 3-31-89  | IJNL                   | 2 7/8" Box gage offsets  |
| I       | 01566 |       | 5-25-89  | IJNL                   | 2 7/8" Pin gage offsets  |
| I       | 01577 |       | 6-14-89  | IJNL                   | 2 7/8" Pin and box depth setting dimensions  |
| G       | 00901 | A     | 3-26-90  | IJNL                   | 3 1/2" Pin setting standard for all grades   |
| G       | 00906 | A     | 11-14-90 | IJNL                   | 3 1/2" Coupling setting standard for J, L & N grades                                 |
| I       | 01921 |       | 2-6-90   | IJNL                   | 3 1/2" Pin and box depth setting dimensions  |
| I       | 01922 |       | 2-6-90   | IJNL                   | 3 1/2" Box gage offsets  |
| I       | 02405 |       | 9-6-91   | IJNL                   | 3 1/2" Pin gage offsets  |
| M       | 02225 |       | 1-17-91  | IJNL                   | 10 5/8" Pin connector all grades   |
| M       | 02226 |       | 1-17-91  | IJNL                   | 10 5/8" Casing box connector   |
| P       | 00726 | B     | 2-14-89  | IJNL                   | Plastic coating specification  |
| M       | 01287 | D     | 3-6-90   | IJNL, IJNL PR, IJNL PC | 2 3/8 - 3 1/2" Pin connector (all grades)  |
| M       | 01289 | C     | 8-20-90  | IJNL PC                | 2 3/8 - 3 1/2" Box connector (all grades)  |
| T       | 06117 |       | 09/17/02 | INSERT                 | External profile (on edge): .0900 load flank x .1134 stab flank x 1.000 lead (SL DC) |
| T       | 07748 | A     | 05/23/11 | INSERT                 | External Profile: TNEA54 4P EXT MOD STUBE ACME 1250 TAPER                            |
| T       | 07713 | A     | 05/23/11 | INSERT                 | External Profile: TNEA54 4P EXT MOD STUBE ACME 375 TAPER                             |
| T       | 07750 | A     | 05/23/11 | INSERT                 | External Profile: TNEA54 6P EXT MOD STUBE ACME                                       |
| T       | 00585 | D     | 9-30-91  | INSERT                 | External profile: .0300 Load flank x .0339 Stab flank x .125 Pitch                   |
| T       | 00971 |       | 9-6-94   | INSERT                 | External profile: .0300 Load flank x .0345 Stab flank x .125 Pitch                   |
| T       | 00276 | A     | 3-19-91  | INSERT                 | External profile: .0315 Load flank x .0385 Stab flank x .1667 Pitch                  |

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| T       | 00272     | C     | 6-28-91  | INSERT              | External profile: .0388 Load flank x .0492 Stab flank x .200 Pitch  |
| T       | 00892     | D     | 09/19/05 | INSERT              | External profile: .0394 Load flank x .0464 Stab flank x .1667 Pitch |
| T       | 00837     | B     | 7-29-94  | INSERT              | External profile: .0394 Load flank x .0481 Stab flank x .1667 Pitch |
| T       | 00929     | A     | 8-3-94   | INSERT              | External Profile: .0500 Load flank x .0615 Stab flank x .2000 Pitch |
| T       | 00274     | B     | 7-24-91  | INSERT              | External profile: .0508 Load flank x .0612 Stab flank x .200 Pitch  |
| T       | 00224     |       | 8-3-88   | INSERT              | External Profile: .056 Load flank x .0643 Stab flank x .200 Pitch   |
| T       | 02273     |       | 5-2-91   | INSERT              | External profile: .070 Load flank x .0856 Stab flank x .3333 Pitch  |
| T       | 00378     | B     | 3-21-91  | INSERT              | External profile: .0866 Load flank x .1040 Stab flank x .3333 Pitch |
| TC      | 3500      | A     | 02/06/13 | INSERT              | EXTERNAL CHASER INSERT TKC 4040                                     |
| TC      | 0585      | B     | 9-30-91  | INSERT              | External chaser: .0300 Load flank x .0339 Stab flank x .1250 Pitch  |
| TC      | 0272      |       | 7-30-91  | INSERT              | External chaser: .0388 Load flank x .0492 Stab flank x .2000 Pitch  |
| TC      | 0892      | C     | 9-30-91  | INSERT              | External chaser: .0394 Load flank x .0464 Stab flank x .1667 Pitch  |
| TC      | 2765      |       | 4-16-20  | INSERT              | External chaser: .0420 Load flank x .0503 Stab flank x .2000 Pitch  |
| TC      | 0274      |       | 7-25-91  | INSERT              | External chaser: .0508 Load flank x .0612 Stab flank x .2000 Pitch  |
| TC      | 2443      | B     | 8-10-94  | INSERT              | External chaser: .0508 Load flank x .0638 Stab flank x .2500 Pitch  |
| TC      | 2698      |       | 4-15-93  | INSERT              | External chaser: .0600 Load flank x .0730 Stab flank x .250 Pitch   |
| TC      | 2700      |       | 4-14-93  | INSERT              | External chaser: .0680 Load flank x .0888 Stab flank x .250 Pitch   |
| TC      | 2273      |       | 7-9-91   | INSERT              | External chaser: .070 Load flank x .0856 Stab flank x .3333 Pitch   |
| TC      | 0378      | A     | 9-10-91  | INSERT              | External chaser: .0866 Load flank x .1040 Stab flank x .3333 Pitch  |
| TC      | 9392      | B     | 12/07/17 | INSERT              | INTERNAL INSERT PROFILE (CHASER) TLW                                |
| TC      | 9393      | B     | 12/07/17 | INSERT              | EXTERNAL INSERT PROFILE (CHASER) TLW                                |
| TC      | 9432      | A     | 11/28/17 | INSERT              | INTERNAL INSERT PROFILE (CHASER) TLW (-0018)                        |
| TC      | 9433      | A     | 11/28/17 | INSERT              | EXTERNAL INSERT PROFILE (CHASER) TLW (-0018)                        |
| TC      | 8097-0012 |       | 08/16/19 | INSERT              | EXTERNAL INSERT PROFILE (CHASER) MODIFIED BUTTRESS (-0012)          |
| TC      | 8098-0012 | A     | 08/26/19 | INSERT              | INTERNAL INSERT PROFILE (CHASER) MODIFIED BUTTRESS (-0012)          |
| TD      | 0585      | A     | 9-7-93   | INSERT              | External chaser: .0300 Load flank x .0339 Stab flank x .1250 Pitch  |
| TD      | 0272      | A     | 10-27-93 | INSERT              | External chaser: .0388 Load flank x .0492 Stab flank x .2000 Pitch  |
| TD      | 0274      | A     | 10-27-93 | INSERT              | External chaser: .0508 Load flank x .0612 Stab flank x .2000 Pitch  |
| TD      | 2443      | A     | 9-7-93   | INSERT              | External chaser: .0508 Load flank x .0638 Stab flank x .2500 Pitch  |
| TD      | 2698      | A     | 9-7-93   | INSERT              | External chaser: .0600 Load flank x .0730 Stab flank x .250 Pitch   |
| TD      | 2273      | A     | 10-27-93 | INSERT              | External chaser: .070 Load flank x .0856 Stab flank x .3333 Pitch   |
| TD      | 7971      |       | 07/15/13 | INSERT              | EXTERNAL PROFILE (DIAMOND) WEDGE-LOCK SF                            |
| TE      | 3502      | B     | 08/12/04 | INSERT              | External (on edge) FS-150 & FJ-150                                  |
| TE      | 2765      |       | 12-22-92 | INSERT              | External .042 Load flank x .0503 Stab flank x .200 Pitch            |
| TE      | 8153      |       | 05/10/13 | INSERT              | EXTERNAL PROFILE (ON EDGE) WEDGE-LOCK FLUSH SERIES                  |
| TE      | 7265      | A     | 08/04/09 | INSERT              | EXTERNAL PROFILE (ON EDGE): .0440 LOAD FLANK X .0560 STAB FLANK     |
| TE      | 7330      |       | 05/08/09 | INSERT              | EXTERNAL PROFILE (ON EDGE): .0660 LOAD FLANK x .0920 STAB FLANK     |

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| TE      | 6811  |       | 09/30/05 | INSERT              | EXTERNAL PROFILE (ON EDGE): .070 LOAD FLANK X .0856 STAB FLANK X .3333 PITCH         |
| TE      | 7971  | P     | 07/03/18 | INSERT              | EXTERNAL PROFILE (ON EDGE): WEDGE CONNECTION SERIES                                  |
| XTE     | 9288  |       | 08/11/16 | INSERT              | EXTERNAL THIN INSERT PROFILE (ON EDGE) (PROTOTYPE): WEDGE-LOCK SEMI-FLUSH SERIES     |
| TE      | 7853  |       | 10/12/11 | INSERT              | External profile (on edge): .0400 load flank x .0460 stab flank                      |
| TE      | 4963  |       | 1/22/99  | INSERT              | External profile (on edge): .0400 load flank x .0515 stab flank x .200 pitch         |
| TE      | 5709  |       | 02/22/01 | INSERT              | External profile (on edge): .0400 load flank x .0515 stab flank x .200 pitch         |
| TE      | 7512  |       | 08/02/10 | INSERT              | External profile (on edge): .0440 load flank x .0540 stab flank                      |
| TE      | 5754  |       | 05/16/01 | INSERT              | External profile (on edge): .0500 load flank x .0700 stab flank x .200 pitch         |
| TE      | 7689  |       | 03/09/11 | INSERT              | External profile (on edge): .0540 load flank x .0720 stab flank                      |
| TE      | 6737  |       | 08/13/10 | INSERT              | External profile (on edge): .060 load flank x .0756 stab flank x .3333 pitch         |
| TE      | 5538  | A     | 02/05/01 | INSERT              | External profile (on edge): .0866 load flank x .1040 stab flank x .3333 pitch        |
| TE      | 3484  |       | 02/06/04 | INSERT              | EXTERNAL PROFILE (ON EDGE): API BUTTRESS - .750 IN/FT TAPER                          |
| TE      | 3486  |       | 02/06/04 | INSERT              | EXTERNAL PROFILE (ON EDGE): API BUTTRESS - 1.00 IN/FT TAPER                          |
| TE      | 4564  |       | 8-4-98   | INSERT              | External profile: .0320 load & flank x .125pitch (TS-HP threadform)                  |
| TE      | 4566  |       | 8-4-98   | INSERT              | External profile: .0505 load & flank x .1667pitch (TS-HD threadform)                 |
| TE      | 0585  |       | 2-18-98  | INSERT              | External profile: .030 Load flank x .0339 Stab flank x .125 Pitch                    |
| TE      | 0272  |       | 6-7-94   | INSERT              | External profile: .0388 Load flank x .0492 Stab flank x .200 Pitch                   |
| TE      | 0274  |       | 5-22-92  | INSERT              | External profile: .0508 Load flank x .0612 Stab flank x .200 Pitch                   |
| TE      | 2443  |       | 5-6-94   | INSERT              | External profile: .0508 Load flank x .0638 Stab flank x .2500 Pitch                  |
| TE      | 2698  |       | 8-27-92  | INSERT              | External profile: .0600 Load flank x .0730 Stab flank x .250 Pitch                   |
| TE      | 2700  | A     | 2-15-93  | INSERT              | External profile: .0680 Load flank x .0888 Stab flank x .250 Pitch                   |
| TE      | 2273  |       | 1-27-94  | INSERT              | External profile: .070 Load flank x .0856 Stab flank x .3333 Pitch                   |
| TE      | 3500  | B     | 11/19/12 | INSERT              | EXTERNAL THREADING INSERT (ON EDGE) TKC 4040   |
| TLH     | 272   |       | 7-27-90  | INSERT              | External Left hand : .0388 Load flank x .0492 Stab flank x .200 Pitch                |
| X       | 02280 |       | 4-11-91  | INSERT              | External profile: .0600 Thread height, .335 Average pitch, .750" Taper               |
| T       | 09182 | B     | 11/08/16 | INSERT              | External profile for handling plug: .0500 Load flank x .0615 Stab flank x .200 Pitch |
| TE      | 8097  | K     | 10/30/18 | INSERT              | EXTERNAL PROFILE (ON EDGE) XD CONNECTION SERIES                                      |
| T       | 06116 |       | 09/17/02 | INSERT              | Internal profile (on edge): .0900 load flank x .1134 stab flank x 1.000 lead (SL DC) |
| T       | 04964 |       | 02/14/06 | INSERT              | Internal profile: .042 load flank x .0535 stab flank x .200 Pitch                    |
| T       | 07749 | A     | 05/23/11 | INSERT              | Internal profile: TNEA54 4P INT MOD STUB ACME 1250 TAPER                             |
| T       | 07747 | A     | 05/23/11 | INSERT              | Internal profile: TNEA54 4P INT MOD STUB ACME 375 TAPER                              |
| T       | 07751 | A     | 05/23/11 | INSERT              | Internal profile: TNEA54 6P INT MOD STUB ACME  |
| T       | 02620 | A     | 5-9-96   | INSERT              | Internal profile: .0330 Load flank x .0369 Stab flank x .125 Pitch                   |
| T       | 00970 | A     | 09/19/05 | INSERT              | Internal profile: .0330 Load flank x .0375 Stab flank x .125 Pitch                   |
| T       | 00277 | C     | 09/19/05 | INSERT              | Internal profile: .0335 Load flank x .0405 Stab flank x .1667 Pitch                  |
| T       | 00586 | E     | 3-5-96   | INSERT              | Internal profile: .0400 Load flank x .0439 Stab flank x .125 Pitch                   |
| T       | 02548 | A     | 2-28-96  | INSERT              | Internal profile: .0414 Load flank x .0485 Stab flank x .1667 Pitch                  |
| T       | 02766 | A     | 1-14-98  | INSERT              | Internal profile: .0430 Load flank x .0513 Stab flank x .200 Pitch                   |
| T       | 00838 | C     | 09/19/05 | INSERT              | Internal profile: .0434 Load flank x .0521 Stab flank x .1667 Pitch                  |

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|---------|-------|-------|----------|---------------------|---|
| T       | 01668 |       | 9-27-89  | INSERT              | Internal profile: .0468 Load flank x .0572 Stab flank x .200 Pitch            |
| T       | 00273 | E     | 1-30-95  | INSERT              | Internal profile: .0488 Load flank x .0592 Stab flank x .200 Pitch            |
| T       | 03318 |       | 1-17-95  | INSERT              | Internal profile: .0488 Load flank x .0592 Stab flank x .200 Pitch            |
| T       | 00893 | D     | 19/19/05 | INSERT              | Internal profile: .0494 Load flank x .0565 Stab flank x .1667 Pitch           |
| T       | 03908 |       | 9-4-96   | INSERT              | Internal profile: .0520 Load flank x .0603 Stab flank x .200 Pitch            |
| T       | 02444 | B     | 09/19/05 | INSERT              | Internal profile: .0528 Load flank x .0658 Stab flank x .2500 Pitch           |
| T       | 00930 | B     | 09/19/05 | INSERT              | Internal profile: .0530 Load flank x .0645 Stab flank x .2000 Pitch           |
| T       | 00275 | C     | 09/19/05 | INSERT              | Internal profile: .0588 Load flank x .0692 Stab flank x .200 Pitch            |
| T       | 01666 |       | 9-25-89  | INSERT              | Internal profile: .0588 Load flank x .0692 Stab flank x .200 Pitch            |
| T       | 00225 |       | 8-3-88   | INSERT              | Internal profile: .059 Load flank x .0673 Stab flank x .200 Pitch             |
| T       | 02699 | A     | 09/19/05 | INSERT              | Internal profile: .0610 Load flank x .0740 Stab flank x .250 Pitch            |
| T       | 02274 | D     | 11-28-94 | INSERT              | Internal profile: .0720 Load flank x .0876 Stab flank x .3333 Pitch           |
| T       | 00379 | D     | 09/19/05 | INSERT              | Internal profile: .0896 Load flank x .1070 Stab flank x .3333 Pitch           |
| T       | 01674 |       | 9-28-89  | INSERT              | Internal profile: .0946 Load flank x .1120 Stab flank x .3333 Pitch           |
| T       | 00764 |       | 2-8-88   | INSERT              | O A Dimensions machine tool study   |
| TC      | 3501  | A     | 02/06/13 | INSERT              | Internal Chaser TKC 4040  |
| TD      | 7976  |       | 07/15/13 | INSERT              | INTERNAL PROFILE (DIAMOND) WEDGE-LOCK SEMI-FLUSH SERIES                       |
| TD      | 0273  |       | 2-2-98   | INSERT              | Internal profile: .0488 Load flank x .0592 Stab flank x .2000 Pitch           |
| TD      | 2444  |       | 11-11-94 | INSERT              | Internal profile: .0528 Load flank x .0658 Stab flank x .2500 Pitch           |
| TD      | 2699  |       | 10-2-96  | INSERT              | Internal profile: .0610 Load flank x .0740 Stab flank x .2500 Pitch           |
| TD      | 2274  |       | 11-11-94 | INSERT              | Internal profile: .072 Load flank x .0876 Stab flank x .3333 Pitch            |
| TE      | 0275  | A     | 09/19/05 | INSERT              | Internal profile: .0588 Load flank x .0692 Stab flank x .200 Pitch            |
| TE      | 3503  | B     | 08/12/04 | INSERT              | Internal (on edge) FS-150 & FJ-150  |
| TE      | 2766  | A     | 09/19/05 | INSERT              | Internal .043 Load flank x .0513 Stab flank x .200 Pitch                      |
| TE      | 2274  | B     | 09/19/05 | INSERT              | Internal .072 Load flank x .0876 Stab flank x .3333 Pitch                     |
| TE      | 3479  | A     | 6-9-97   | INSERT              | Internal 8 Round  |
| TE      | 8154  |       | 05/10/13 | INSERT              | INTERNAL PROFILE (ON EDGE) WEDGE-LOCK FLUSH SERIES                            |
| TE      | 7976  | P     | 07/03/18 | INSERT              | INTERNAL PROFILE (ON EDGE) WEDGE CONNECTION SERIES                            |
| XTE     | 9287  |       | 08/11/16 | INSERT              | INTERNAL THIN INSERT PROFILE (ON EDGE) (PROTOTYPE) WEDGE-LOCK SF SERIES       |
| TE      | 7854  |       | 10/12/11 | INSERT              | INTERNAL PROFILE (ON EDGE): .0400 LOAD FLANK X .0460 STAB FLANK               |
| TE      | 7266  | A     | 08/04/09 | INSERT              | INTERNAL PROFILE (ON EDGE): .0440 LOAD FLANK X .0560 STAB FLANK               |
| TE      | 7690  |       | 03/09/11 | INSERT              | Internal profile (on edge): .0540 LOAD FLANK X .0720 STAB FLANK               |
| TE      | 4964  |       | 1/22/99  | INSERT              | Internal profile (on edge): .042 load flank x .0535 stab flank x .200 pitch   |
| TE      | 7513  |       | 08/02/10 | INSERT              | Internal profile (on edge): .0440 load flank x .0540 stab flank               |
| TE      | 5755  |       | 05/16/01 | INSERT              | Internal profile (on edge): .050 load flank x .0700 stab flank x .200 pitch   |
| TE      | 0930  |       | 02/18/05 | INSERT              | Internal profile (on edge): .0530 load flank x .0645 stab flank x .200 pitch  |
| TE      | 2701  | C     | 04/27/11 | INSERT              | Internal profile (on edge): .0690 Load flank x .0898 Stab flank x .250 Pitch  |
| TE      | 5537  | B     | 09/19/05 | INSERT              | Internal profile (on edge): .0896 load flank x .1070 stab flank x .3333 pitch |
| TE      | 3485  |       | 02/06/04 | INSERT              | INTERNAL PROFILE (ON EDGE): API BUTTRESS - .750 IN/FT TAPER                   |

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|---------|--------|-------|----------|---------------------|---|
| TE      | 3487   |       | 02/06/04 | INSERT              | INTERNAL PROFILE (ON EDGE): API BUTTRESS - 1.00 IN/FT TAPER                   |
| TE      | 4565   |       | 7-17-98  | INSERT              | Internal profile: .0320 load & flank x .125 pitch (TS-HP threadform)          |
| TE      | 4567   |       | 8-4-98   | INSERT              | Internal profile: .0505 load & flank x .1667 pitch (TS-HD threadform)         |
| TE      | 2620   | A     | 8-12-98  | INSERT              | Internal profile: .033 Load flank x .0369 Stab flank x .125 Pitch             |
| TE      | 0586   | A     | 09/19/05 | INSERT              | Internal profile: .0400 Load flank x .0439 Stab flank x .125 Pitch            |
| TE      | 0273   | A     | 09/19/05 | INSERT              | Internal profile: .0488 Load flank x .0592 Stab flank x .200 Pitch            |
| TE      | 3908   | A     | 9-4-96   | INSERT              | Internal profile: .052 Load flank x .0603 Stab flank x .200 Pitch             |
| TE      | 2444   | A     | 09/19/05 | INSERT              | Internal profile: .0528 Load flank x .0658 Stab flank x .250 Pitch            |
| TE      | 2699   | A     | 09/19/05 | INSERT              | Internal profile: .0610 Load flank x .0740 Stab flank x .250 Pitch            |
| TE      | 3913   |       | 6-28-96  | INSERT              | Internal profile: .0700 Load flank x .0830 Stab flank x .2500 Pitch           |
| TE      | 0379   | A     | 09/19/05 | INSERT              | Internal profile: .0896 Load flank x .1070 Stab flank x .3333 Pitch           |
| TE      | 7847   |       | 10/03/11 | INSERT              | INTERNAL PROFLIE (ON EDGE): .0660 LOAD FLANK x .0816 STAB FLANK X .3333 PITCH |
| TE      | 7331   |       | 05/08/09 | INSERT              | INTERNAL PROFLIE (ON EDGE): .0660 LOAD FLANK x .0920 STAB FLANK               |
| TE      | 3501   | D     | 11/12/12 | INSERT              | INTERNAL THREADING INSERT (ON EDGE) TKC 4040                                  |
| TLH     | 273    |       | 7-27-90  | INSERT              | Internal Left hand : .0408 Load flank x .0512 Stab flank x .200 Pitch         |
| TP      | 0892_1 |       | 9-22-88  | INSERT              | PMC #1: .0394 Load flank x .0459 Stab flank x .1667 Pitch                     |
| TP      | 0892_2 |       | 9-21-88  | INSERT              | PMC #2: .0394 Load flank x .0459 Stab flank x .1667 Pitch                     |
| TP      | 0892_3 |       | 9-16-88  | INSERT              | PMC #3: .0394 Load flank x .0459 Stab flank x .1667 Pitch                     |
| TS      | 0273   | A     | 09/19/05 | INSERT              | Internal profile: .0488 Load flank x .0592 Stab flank x .200 Pitch            |
| X       | 02281  |       | 4-11-91  | INSERT              | Internal profile: .0650 Thread height, .335 Average pitch, .750" Taper        |
| TE      | 8098   | J     | 10/30/18 | INSERT              | INTERNAL INSERT PROFILE (ON EDGE) XD CONNECTION SERIES                        |
| TG      | 9392   | B     | 12/07/17 | INSERT              | INTERNAL INSERT PROFILE (GROOVE) TLW  |
| TG      | 9393   | B     | 12/07/17 | INSERT              | EXTERNAL INSERT PROFILE (GROOVE) TLW  |
| TG      | 9432   | A     | 11/28/17 | INSERT              | INTERNAL INSERT PROFILE (GROOVE) TLW (-0018)                                  |
| TG      | 9433   | A     | 11/28/17 | INSERT              | EXTERNAL INSERT PROFILE (GROOVE) TLW (-0018)                                  |
| G       | 04830  |       | 7/31/98  | LEAD STANDARD       | .125, 3 1/2" - 4 1/2", TS-HP  |
| G       | 04819  |       | 7-31-98  | LEAD STANDARD       | .125, 3/4" - 2 7/8", TS-HP  |
| G       | 04821  |       | 7-31-98  | LEAD STANDARD       | .1667 , 2 3/8" - 4 1/2", TS-HD  |
| G       | 05776  |       | 05/25/01 | LEAD STANDARD       | .200 PITCH X 2.400 IN/FT TAPER  |
| G       | 07857  |       | 10/07/11 | LEAD STANDARD       | .290" PITCH x .308" PITCH x .012 IN/PITCH TAPER                               |
| G       | 07590  | A     | 01/07/11 | LEAD STANDARD       | .290" PITCH x .308" PITCH x .020 IN/PITCH TAPER                               |
| G       | 07501  | A     | 01/07/11 | LEAD STANDARD       | .290" PITCH x .308" PITCH x .024 IN/PITCH TAPER                               |
| G       | 07523  | A     | 01/07/11 | LEAD STANDARD       | .292" PITCH x .308" PITCH x .020 IN/PITCH TAPER                               |
| G       | 07607  |       | 01/05/11 | LEAD STANDARD       | .292" PITCH x .308" PITCH x .024 IN/PITCH TAPER                               |
| G       | 07867  |       | 09/12/11 | LEAD STANDARD       | .350" PITCH x .368 PITCH x .036 IN/PITCH TAPER                                |
| G       | 04140  |       | 2-3-97   | LEAD STANDARD       | 1.000 T.P.F. x .198" (7" 23- 29# Apex-e)                                      |
| G       | 03408  |       | 6-7-95   | LEAD STANDARD       | 1.125 T.P.F.  |
| G       | 04077  |       | 12-10-96 | LEAD STANDARD       | 1.25 T.P.F. X .248"   |
| G       | 00708  | B     | 6-20-95  | LEAD STANDARD       | 1.250 T.P.F.  |

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|---------|-------|-------|-----------|-----------------------|---|
| G       | 03823 |       | 5-7-96    | LEAD STANDARD         | 1.375 T.P.F.  |
| G       | 00502 | C     | 8-30-91   | LEAD STANDARD         | 2 3/8 - 3 1/2" Pin and box 6 pitch  |
| G       | 00755 | C     | 03/03/10  | LEAD STANDARD         | 2 3/8 - 4 1/2 Pin & box HD lock-it, 5" - 7" SL HT, 2 3/8- 3 1/2" Apex, Apex-E |
| G       | 02850 | A     | 05/31/02  | LEAD STANDARD         | 10 3/4" and 8" SEAL-LOCK APEX w/ 2.00" T.P.F.                                 |
| G       | 03652 | A     | 10-23-95  | LEAD STANDARD         | 4040  |
| G       | 03648 | A     | 08/12/04  | LEAD STANDARD         | FS-150 & FJ-150   |
| G       | 01892 | A     | 8-30-91   | LEAD STANDARD         | Pin & box 8 pitch .750 T.P.F.   |
| G       | 08083 | B     | 08/22/19  | LEAD STANDARD         | (-0001),(-0004),(-0007),(-0008) MODIFIED BUTTRESS                             |
| G       | 08987 | A     | 08/22/19  | LEAD STANDARD         | (-0002), (-0005) MODIFIED BUTTRESS  |
| G       | 08057 | B     | 08/22/19  | LEAD STANDARD         | (-0003),(-0006) MODIFIED BUTTRESS   |
| G       | 09516 | A     | 08/22/19  | LEAD STANDARD         | (-0009) MODIFIED BUTTRESS   |
| G       | 09522 | A     | 08/22/19  | LEAD STANDARD         | (-0010)(-0013) MODIFIED BUTTRESS  |
| G       | 09667 | A     | 08/22/19  | LEAD STANDARD         | (-0011) MODIFIED BUTTRESS   |
| G       | 09821 |       | 08/16/19  | LEAD STANDARD         | -0012 MODIFIED BUTTRESS   |
| G       | 08944 | A     | 02/24/15  | LEAD STANDARD         | -0001 WEDGE-LOCK SF SERIES  |
| G       | 08945 | A     | 02/24/15  | LEAD STANDARD         | -0002 WEDGE-LOCK SF SERIES  |
| G       | 08180 | A     | 02/24/15  | LEAD STANDARD         | -0003 WEDGE-LOCK SF SERIES  |
| G       | 07993 | A     | 02/24/15  | LEAD STANDARD         | -0004 WEDGE-LOCK SF SERIES  |
| G       | 08094 | B     | 02/24/15  | LEAD STANDARD         | -0005 WEDGE-LOCK SF SERIES  |
| G       | 08183 | A     | 02/24/15  | LEAD STANDARD         | -0006 WEDGE-LOCK SF SERIES  |
| G       | 08946 | A     | 02/24/15  | LEAD STANDARD         | -0007 WEDGE-LOCK SF SERIES  |
| G       | 08947 | A     | 02/24/15  | LEAD STANDARD         | -0008 WEDGE-LOCK SF SERIES  |
| G       | 08948 | A     | 02/24/15  | LEAD STANDARD         | -0009 WEDGE-LOCK SF SERIES  |
| G       | 08949 | A     | 02/24/15  | LEAD STANDARD         | -0010 WEDGE-LOCK SF SERIES  |
| G       | 08950 | A     | 02/24/15  | LEAD STANDARD         | -0011 WEDGE-LOCK SF SERIES  |
| G       | 08951 | A     | 02/24/15  | LEAD STANDARD         | -0012 WEDGE-LOCK SF SERIES  |
| X       | 08221 | A     | 02/24/15  | LEAD STANDARD         | -0013 WEDGE-LOCK SF SERIES  |
| G       | 08952 | B     | 02/24/15  | LEAD STANDARD         | -0014 WEDGE-LOCK SF SERIES  |
| G       | 09597 |       | 07/03/18  | LEAD STANDARD         | -0015 WEDGE CONNECTION SERIES   |
| G       | 09061 | A     | 02/24/15  | LEAD STANDARD         | -0017 WEDGE-LOCK SF SERIES  |
| G       | 09289 | A     | 10/14/16  | LEAD STANDARD         | -0019 WEDGE-LOCK SF SERIES  |
| G       | 09371 | A     | 11/28/17  | LEAD STANDARD         | -0018 WEDGE CONNECTION SERIES   |
| M       | 06091 | A     | 1/19/2009 | LTC 8 ROUND (NON API) | 11 3/4" PIN   |
| I       | 07385 |       | 10/02/09  | NC31                  | BOX GAGE SETTING DIMENSIONS FOR ROD STYLE STANDARDS                           |
| M       | 06318 | A     | 06/04/08  | P.A.C. CONNECTION     | 2 3/8" - 3 1/2" Box   |
| M       | 06317 | A     | 06/04/08  | P.A.C. CONNECTION     | 2 3/8" - 3 1/2" Pin   |
| M       | 06315 | A     | 06/04/08  | P.A.C. CONNECTION     | External thread form  |
| M       | 06316 | A     | 06/04/08  | P.A.C. CONNECTION     | Internal thread form  |
| G       | 04833 | A     | 08/20/99  | PROFILE GAGES         | 3/4" - 4 1/2" TS-HP (M04564/M04565 Threadform)                                |



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|---------|-------|-------|----------|---------------------|--|
| G       | 04832 | A     | 08/20/99 | PROFILE GAGES       | 2 3/8" - 4 1/2" TS-HD (M04566/M04567 Threadform)                         |
| G       | 01233 | B     | 8-27-91  | PROFILE GAGES       | 4 1/2 - 10 3/4" Box seal-lock & seal-lock HC casing                      |
| G       | 00636 | B     | 8-26-91  | PROFILE GAGES       | 4 1/2 - 10 3/4" Seal-lock casing pin                                     |
| G       | 01234 | B     | 8-28-91  | PROFILE GAGES       | 11 3/4 - 13 5/8" Seal-lock casing 4 1/2- 13 5/8" HW seal-lock box        |
| G       | 00637 | B     | 8-29-91  | PROFILE GAGES       | 11 3/4 - 13 5/8" Seal-lock casing 4 1/2- 13 5/8" HW seal-lock casing pin |
| G       | 03653 | C     | 5-2-96   | PROFILE GAGES       | 4040 Box   |
| G       | 03654 | B     | 9-18-95  | PROFILE GAGES       | 4040 Pin   |
| G       | 01235 | A     | 9-3-91   | PROFILE GAGES       | Big "O" Seal-lock casing box   |
| G       | 00749 | B     | 9-5-91   | PROFILE GAGES       | Big "O" Seal-lock casing pin   |
| G       | 02308 | B     | 4-28-92  | PROFILE GAGES       | Boss casing box  |
| G       | 03227 |       | 7-28-94  | PROFILE GAGES       | Box gage for .750" TPF, .125 pitch, M02620 threadform                    |
| G       | 03267 |       | 9-8-94   | PROFILE GAGES       | Box gage for .864" TPF, .125 pitch, M00970 threadform                    |
| G       | 03226 | A     | 4-10-96  | PROFILE GAGES       | Box gage for 1.0205" TPF, .1667 pitch, M02548 threadform                 |
| G       | 01236 | B     | 10-15-91 | PROFILE GAGES       | Box gage for 8 pitch threadform w/ .0400 LFH x .0439 SFH                 |
| G       | 01232 | A     | 9-12-91  | PROFILE GAGES       | Box gage for seal-lock, I-J NU-lock, & TC NU-lock tubing                 |
| G       | 03266 |       | 9-8-94   | PROFILE GAGES       | External gage .864" TPF, .125 pitch, M00971 threadform                   |
| G       | 02306 | C     | 12-8-97  | PROFILE GAGES       | External gage for M02273 threadform                                      |
| G       | 02471 | E     | 12-8-97  | PROFILE GAGES       | External gage for M02443 threadform                                      |
| G       | 02723 | A     | 4-27-93  | PROFILE GAGES       | External gage for M02698 threadform                                      |
| G       | 02834 |       | 2-25-93  | PROFILE GAGES       | External gage for M02700 threadform (Apex)                               |
| G       | 02806 | B     | 6-27-97  | PROFILE GAGES       | External gage for M02765 threadform (Apex & SLHT)                        |
| G       | 04076 |       | 12-10-96 | PROFILE GAGES       | External gage for M04073 threadform                                      |
| G       | 04256 |       | 5-29-97  | PROFILE GAGES       | External gage for M04134 threadform (Apex-E)                             |
| G       | 03197 |       | 6-27-94  | PROFILE GAGES       | External gage M00837 threadform (Flush seal-lock)                        |
| G       | 03238 |       | 8-4-94   | PROFILE GAGES       | External gage M00929 threadform (Flush seal-lock)                        |
| G       | 05122 |       | 07/12/99 | PROFILE GAGES       | External M04963 threadform (Seal-lock SF)                                |
| G       | 05573 | A     | 02/05/01 | PROFILE GAGES       | External M05538 threadform (Seal-lock RP)                                |
| G       | 05761 |       | 05/21/01 | PROFILE GAGES       | External M05754 threadform (Seal-lock Big Bore)                          |
| G       | 06800 | A     | 08/18/10 | PROFILE GAGES       | EXTERNAL M06737 THREADFORM   |
| G       | 07849 | A     | 10/03/11 | PROFILE GAGES       | EXTERNAL FOR M07847 THREADFORM   |
| G       | 09183 | B     | 11/08/16 | PROFILE GAGES       | EXTERNAL M09182 THREADFORM   |
| G       | 03649 | A     | 08/12/04 | PROFILE GAGES       | FS-150 & FJ-150 Box  |
| G       | 03650 | A     | 08/12/04 | PROFILE GAGES       | FS-150 FJ-150 Pin  |
| G       | 01231 | B     | 10-23-96 | PROFILE GAGES       | Internal gage for M00053 threadform                                      |
| G       | 02476 |       | 3-31-92  | PROFILE GAGES       | Internal gage for M02444 threadform                                      |
| G       | 02724 |       | 9-22-92  | PROFILE GAGES       | Internal gage for M02699 threadform                                      |
| G       | 02835 |       | 2-25-93  | PROFILE GAGES       | Internal gage for M02701 threadform (Apex)                               |
| G       | 02807 |       | 2-4-93   | PROFILE GAGES       | Internal gage for M02766 threadform (Apex)                               |
| G       | 04038 |       | 10-23-96 | PROFILE GAGES       | Internal gage for M03908 threadform (Apex-E)                             |

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|---------|-------|-------|----------|---------------------|--|
| G       | 04039 | A     | 12-10-96 | PROFILE GAGES       | Internal gage for M03913 threadform                                      |
| G       | 04257 |       | 5-29-97  | PROFILE GAGES       | Internal gage for M04135 threadform (Apex-E)                             |
| G       | 03198 |       | 6-27-94  | PROFILE GAGES       | Internal gage M00838 threadform (Flush seal-lock)                        |
| G       | 03239 |       | 8-4-94   | PROFILE GAGES       | Internal gage M00930 threadform (Flush seal-lock)                        |
| G       | 05123 |       | 07/12/99 | PROFILE GAGES       | Internal M04964 threadform (Seal-lock SF)                                |
| G       | 05574 | A     | 02/05/01 | PROFILE GAGES       | Internal M05537 threadform (Seal-lock RP)                                |
| G       | 05762 |       | 05/21/01 | PROFILE GAGES       | Internal M05755 threadform (Seal-lock Big Bore)                          |
| G       | 00499 | A     | 10-27-87 | PROFILE GAGES       | Lock-it tubing pin   |
| G       | 01827 | E     | 6-27-97  | PROFILE GAGES       | Lock-it-eight, Seal-lock HT, Flush seal-lock pin w/ threadform M00585    |
| G       | 04277 |       | 6-13-97  | PROFILE GAGES       | No go gauge for threadform M02274  |
| G       | 00746 | B     | 9-4-96   | PROFILE GAGES       | Pin gage for threadform M00052   |
| G       | 00750 | B     | 9-6-91   | PROFILE GAGES       | Seal-lock, TC NU-lock, & I-J NU-lock tubing                              |
| G       | 09413 |       | 09/06/17 | PROFILE GAGES       | BLANK PROFILE GAGE   |
| M       | 06401 |       | 10/24/03 | RUPTURE DISK        | 3/8" HEX BURST DISK GREASE DISPLACEMENT TOOL                             |
| M       | 06402 |       | 10/27/03 | RUPTURE DISK        | 1/2" HEX BURST DISK GREASE DISPLACEMENT TOOL                             |
| A       | 06260 | C     | 06/26/03 | RUPTURE DISK        | 7/8" BURST DISK CAP  |
| A       | 06240 | AI    | 08/23/16 | RUPTURE DISK        | 7/8" APRS EXTERNAL PRESSURE (COLLAPSE) DISK                              |
| A       | 06239 | BP    | 06/06/19 | RUPTURE DISK        | .875" APRS INTERNAL PRESSURE (BURST/RUPTURE) DISK                        |
| A       | 06244 | G     | 01/11/18 | RUPTURE DISK        | 7/8" APRS DISK RECEPTACLE  |
| A       | 06263 | A     | 07/21/03 | RUPTURE DISK        | 7/8" BURST DISK RECEPTACLE PROTECTOR                                     |
| A       | 06261 |       | 03/26/03 | RUPTURE DISK        | 7/8" BURST DISK TEST PLUG  |
| A       | 08071 |       | 12/05/12 | RUPTURE DISK        | 7/8" DUMMY PLUG  |
| A       | 06250 |       | 01/30/03 | RUPTURE DISK        | 1 1/4" OSECO O-RING BURST RECEPTACLE                                     |
| A       | 06327 |       | 07/18/03 | RUPTURE DISK        | 1 1/4" Receptacle Protector  |
| A       | 06831 |       | 10/20/05 | RUPTURE DISK        | 3 1/2" 12.70# VAM TOP BURST DISK SUB                                     |
| A       | 07383 |       | 10/01/09 | RUPTURE DISK        | 4 1/2" 17# VAM TOP BOX x BOX SUB   |
| A       | 06830 |       | 10/20/05 | RUPTURE DISK        | 5 1/2" 23# VAM TOP BURST DISK SUB  |
| A       | 07384 |       | 10/01/09 | RUPTURE DISK        | 5 1/2" 23# VAM TOP BOX x BOX SUB   |
| A       | 08013 |       | 09/11/12 | RUPTURE DISK        | 7" 32# VAM 21 PIN x BOX SUB  |
| A       | 07965 | B     | 12/07/12 | RUPTURE DISK        | 7" 35# VAM TOP HC PIN x BOX SUB  |
| A       | 07142 |       | 02/11/08 | RUPTURE DISK        | 7 5/8" 51.20# SL SF x NC46 RUPTURE DISK SUB FOR FIX A8219-X RUPTURE DISK |
| A       | 07362 |       | 08/05/09 | RUPTURE DISK        | 7 5/8" 51.20# SL SF BOX x NC38 PIN SUB FOR FIKE A8219-X RUPTURE DISK     |
| A       | 08014 |       | 09/11/12 | RUPTURE DISK        | 7 5/8" 51.20# VAM SLIJ-II BOX x PIN SUB                                  |
| M       | 06676 |       | 11/11/06 | RUPTURE DISK        | 9 5/8" 47# TKC PLUS BUTTRESS BURST DISK COUPLING                         |
| M       | 09074 |       | 02/17/15 | RUPTURE DISK        | 9 5/8" 47.00# TENARIS HYDRIL 513 RUPTURE DISK SUB, PIN x BOX             |
| M       | 05234 | B     | 07/31/03 | RUPTURE DISK        | 9 5/8" 53.50# P-110 BOSS BURST DISK COUPLING                             |
| A       | 09173 |       | 09/09/15 | RUPTURE DISK        | 9 5/8" 53.50# SL SF APRS DISK SUB, PIN X BOX                             |
| A       | 08007 |       | 08/20/12 | RUPTURE DISK        | 9 5/8" 53.50# VAM 21 PIN x BOX SUB                                       |
| A       | 08008 |       | 08/20/12 | RUPTURE DISK        | 9 7/8" 66.90# VAM 21 PIN x BOX SUB                                       |

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|---------|-------|-------|----------|---------------------|--|
| A       | 07962 |       | 03/28/12 | RUPTURE DISK        | 9 7/8" 68.90# VAM SLIJ-II-KA RUPTURE DISK SUB, PIN x BOX               |
| A       | 09458 |       | 11/08/17 | RUPTURE DISK        | 10.750" 73.20# VAM HP SC90 APRS DISK SUB, PIN x BOX                    |
| A       | 08009 |       | 08/20/12 | RUPTURE DISK        | 10 3/4" 85.30# VAM HP SC73 PIN x BOX SUB                               |
| A       | 07708 |       | 03/24/11 | RUPTURE DISK        | 11 3/4" 60# HYDRIL 513 RUPTURE DISK SUB, PIN x BOX                     |
| A       | 07964 |       | 04/17/12 | RUPTURE DISK        | 11 3/4" 60# VAM FJL RUPTURE DISK SUB, PIN x BOX                        |
| A       | 06948 |       | 12/15/06 | RUPTURE DISK        | 11 3/4" 65# HYDRIL SLX BOX x PIN BURST DISK SUB                        |
| A       | 07828 |       | 08/16/11 | RUPTURE DISK        | 11 3/4" 65# SL SF RUPTURE DISK SUB                                     |
| A       | 09025 |       | 09/10/14 | RUPTURE DISK        | 11 3/4" 65# VAM SLIJ-II RUPTURE DISK SUB PIN x BOX                     |
| A       | 09264 |       | 07/15/16 | RUPTURE DISK        | 11 3/4" 65# TENARIS HYDRIL 513 APRS DISK SUB, PIN x BOX                |
| A       | 09049 |       | 11/18/14 | RUPTURE DISK        | 11 3/4" 80.50# VAM SLIJ-II PIN x BOX SUB                               |
| A       | 08010 |       | 08/20/12 | RUPTURE DISK        | 11 7/8" 71.80# VAM SLIJ-II BOX x PIN SUB                               |
| A       | 05951 | E     | 01/29/08 | RUPTURE DISK        | 13 3/8" 68# BUTTRESS BURST DISK SUB                                    |
| A       | 05764 | C     | 07/31/03 | RUPTURE DISK        | 13 3/8" 68# N-80 VAM TOP SUB   |
| A       | 07510 |       | 07/30/10 | RUPTURE DISK        | 13 3/8" 68# DINO VAM SUB   |
| A       | 07656 |       | 02/03/11 | RUPTURE DISK        | 13 3/8" 68# HYDRIL 523 SUB   |
| A       | 08940 | A     | 05/08/14 | RUPTURE DISK        | 13 3/8" 68# DINO VAM MS PIN x BOX SUB                                  |
| A       | 07293 |       | 03/24/09 | RUPTURE DISK        | 13 3/8" 68# TS 3SB RUPTURE DISK SUB                                    |
| A       | 09711 | A     | 07/03/19 | RUPTURE DISK        | 13.375" 68.00# APRS DISK SUB, PIN X BOX BLANKING                       |
| A       | 09596 | C     | 07/03/19 | RUPTURE DISK        | 13.375" 72.00# APRS DISK SUB, PIN X BOX BLANKING                       |
| A       | 06156 | B     | 06/23/03 | RUPTURE DISK        | 13 3/8" 72# ADVANCED NJO BURST DISK SUB                                |
| A       | 06767 |       | 07/26/05 | RUPTURE DISK        | 13 3/8" 72# API BUTTRESS With 4 offset disks BURST DISK SUB for DEVON  |
| M       | 05683 | B     | 07/31/03 | RUPTURE DISK        | 13 3/8" 72# BUTTRESS TKC PLUS COUPLING                                 |
| M       | 05235 | B     | 06/09/03 | RUPTURE DISK        | 13 3/8" 72# P-110 BOSS BURST DISK COUPLING                             |
| A       | 06262 | C     | 02/12/09 | RUPTURE DISK        | 13 3/8" 72# VAM TOP BOX X BOX BURST DISK SUB                           |
| A       | 06903 | B     | 05/11/16 | RUPTURE DISK        | 13 3/8" 72# VAM TOP APRS DISK SUB, PIN & BOX                           |
| A       | 07103 | A     | 12/13/07 | RUPTURE DISK        | 13 3/8" 72# HYDRIL 523 RUPTURE DISK SUB                                |
| A       | 07252 |       | 11/12/08 | RUPTURE DISK        | 13 3/8" 72# VAM TOP-KB PIN x PIN SUB                                   |
| A       | 07253 |       | 11/12/08 | RUPTURE DISK        | 13 3/8" 72# API BUTTRESS PIN x BOX SUB                                 |
| A       | 07259 |       | 12/03/08 | RUPTURE DISK        | 13 3/8" 72# DINO VAM RUPTURE DISK SUB                                  |
| A       | 07967 | A     | 07/31/12 | RUPTURE DISK        | 13 3/8" 72# VAM TOP; 75.05 O.A.L. BURST DISK SUB FOR PETROBRAS         |
| A       | 08942 |       | 05/13/14 | RUPTURE DISK        | 13 3/8" 80.70# BTC PIN x BOX SUB                                       |
| A       | 06963 |       | 01/17/07 | RUPTURE DISK        | 13 5/8" 88.20# BUTTRESS BURST DISK SUB                                 |
| A       | 06876 | A     | 04/24/07 | RUPTURE DISK        | 13 5/8" 88.20# HYDRIL 523 BOX x PIN SUB                                |
| A       | 06895 | A     | 03/17/10 | RUPTURE DISK        | 13 5/8" 88.20# HYDRIL SLX BOX x PIN SUB                                |
| M       | 06829 |       | 10/20/05 | RUPTURE DISK        | 13 5/8" 88.20# SL BOSS 14.275 MAX S.C.O.D. X 12.375 MIN. I.D.          |
| A       | 06853 |       | 02/10/06 | RUPTURE DISK        | 13 5/8" 88.20# STL BOX X PIN SUB                                       |
| A       | 07316 |       | 04/20/09 | RUPTURE DISK        | 13 5/8" SL SF RUPTURE DISK SUB   |
| M       | 05895 | C     | 06/09/03 | RUPTURE DISK        | 13 5/8" BOSS 88.20# P-110 & ABOVE BURST DISK COUPLING                  |
| M       | 05957 | A     | 06/09/03 | RUPTURE DISK        | 13 5/8" BOSS 88.20# P-110 & ABOVE, 14.250 S.C.O.D. BURST DISK COUPLING |

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|---------|-------|-------|----------|---------------------|--|
| M       | 05898 | C     | 06/09/03 | RUPTURE DISK        | 13 5/8" BOSS 88.20# P-110 & ABOVE, 14.275 S.C.O.D. BURST DISK COUPLING   |
| A       | 07185 | B     | 01/06/10 | RUPTURE DISK        | 13 5/8" 88.20# VAM SLIJ-II BOX x PIN RUPTURE DISK SUB                    |
| A       | 07350 | C     | 11/04/09 | RUPTURE DISK        | 13 5/8" 88.20# VAM TOP PIN x BOX RUPTURE DISK SUB                        |
| A       | 09575 | D     | 07/03/19 | RUPTURE DISK        | 13.625" 88.20# APRS DISK SUB, PIN X BOX BLANKING                         |
| A       | 09488 | B     | 07/03/19 | RUPTURE DISK        | 14.000" 93# APRS DISK SUB, PIN X BOX BLANKING                            |
| A       | 06728 | B     | 08/10/15 | RUPTURE DISK        | 14" 82.50# DINO VAM PIN x BOX APRS DISK SUB                              |
| A       | 06249 | C     | 06/23/03 | RUPTURE DISK        | 14" 96.90# VAM TOP KA, BOX X BOX BURST DISK SUB                          |
| A       | 07263 |       | 12/16/08 | RUPTURE DISK        | 14" 112.60# VAM SLIJ-II BURST DISK SUB                                   |
| A       | 07274 |       | 02/06/09 | RUPTURE DISK        | 14 3/8" 68# VAM TOP KX PIN x BOX BURST DISK SUB                          |
| A       | 06756 |       | 06/07/05 | RUPTURE DISK        | 16" 83# HYDRIL 521 BOX X 75# DINO VAM PIN BURST DISK SUB                 |
| A       | 06922 |       | 10/04/06 | RUPTURE DISK        | 16" 84# HYDRIL 521 BOX x PIN BURST DISK SUB                              |
| A       | 09824 |       | 08/22/19 | RUPTURE DISK        | 16.000" 84.000# APRS DISK SUB PIN X BOX BLANKING                         |
| A       | 07372 |       | 09/11/09 | RUPTURE DISK        | 16" 84# BUTTRESS BOX x PIN RUPTURE DISK SUB                              |
| A       | 07373 |       | 09/11/09 | RUPTURE DISK        | 16" 84# BUTTRESS BOX x BOX RUPTURE DISK SUB                              |
| A       | 08006 |       | 08/15/12 | RUPTURE DISK        | 16" 84# DINO VAM RUPTURE DISK SUB  |
| A       | 09156 |       | 06/11/15 | RUPTURE DISK        | 16" 84# HD-L APRS DISK SUB, PIN X BOX                                    |
| A       | 09172 |       | 09/07/15 | RUPTURE DISK        | 16" 84# SEAL LOCK BOSS APRS DISK SUB, PIN X BOX                          |
| A       | 06379 |       | 09/15/03 | RUPTURE DISK        | 16" 94.50# DINO VAM BOX X BOX BURST DISK SUB                             |
| A       | 06343 | A     | 08/19/03 | RUPTURE DISK        | 16" 94.50# DINO VAM BOX X PIN BURST DISK SUB                             |
| A       | 08206 |       | 09/23/13 | RUPTURE DISK        | 16" 95# VAM AB HD-L PIN x BOX RUPTURE DISK SUB                           |
| A       | 08132 | A     | 02/10/17 | RUPTURE DISK        | 16" 95# - 96# HYDRIL 513 APRS DISK SUB, PIN x BOX                        |
| A       | 06637 | F     | 01/09/18 | RUPTURE DISK        | 16" 95# - 97# HYDRIL 511 APRS DISK SUB, PIN X BOX                        |
| A       | 07153 |       | 02/18/08 | RUPTURE DISK        | 16" 95# - 97# HYDRIL 521 BOX x PIN BUST DISK SUB                         |
| A       | 06839 |       | 11/09/05 | RUPTURE DISK        | 16" 97# SL SF BURST DISK SUB   |
| A       | 07317 |       | 04/20/09 | RUPTURE DISK        | 16" 97# SL FLUSH RUPTURE DISK SUB  |
| A       | 07325 |       | 04/29/09 | RUPTURE DISK        | 16" 97# G.P. HD-L RUPTURE DISK SUB                                       |
| A       | 09576 | B     | 07/03/19 | RUPTURE DISK        | 16.00" 97.00# APRS DISK SUB, PIN X BOX BLANKING                          |
| A       | 09827 |       | 09/04/19 | RUPTURE DISK        | 16.000" 104.00# APRS DISK SUB PIN X BOX BLANKING                         |
| A       | 09632 | A     | 07/03/19 | RUPTURE DISK        | 16.000" 109# APRS DISK SUB, PIN X BOX BLANKING                           |
| A       | 06184 | E     | 01/06/10 | RUPTURE DISK        | 16" 109# HYDRIL 511 W/ 14.600" SPECIAL DRIFT BURST DISK SUB              |
| A       | 07262 |       | 12/16/08 | RUPTURE DISK        | 16" 109# HD-L RUPTURE DISK SUB   |
| A       | 07272 |       | 01/30/09 | RUPTURE DISK        | 16" 109# SL SF RUPTURE DISK SUB  |
| A       | 08225 |       | 10/10/13 | RUPTURE DISK        | 16" 109# TENARIS HYDRIL 523 RUPTURE DISK SUB                             |
| M       | 05823 | A     | 07/31/03 | RUPTURE DISK        | 16" 109# (.656" WALL) BOSS burst disk coupling                           |
| A       | 08230 |       | 11/27/13 | RUPTURE DISK        | 16" 109# TENARIS HYDRIL 513 PIN x BOX RUPTURE DISK SUB                   |
| A       | 07418 |       | 01/26/10 | RUPTURE DISK        | 16" 109# HYDRIL 511 PIN x BOX W/ 14.600" SD RUPTURE DISK SUB (FROM PIPE) |
| A       | 08031 |       | 09/26/12 | RUPTURE DISK        | 16" 109# HYDRIL ER PIN x BOX RUPTURE DISK SUB                            |
| A       | 08581 |       | 04/16/14 | RUPTURE DISK        | 16" 109# SEAL-LOCK FLUSH PIN x BOX RUPTURE DISK SUB                      |
| A       | 08953 |       | 05/28/14 | RUPTURE DISK        | 16" 109# TSH-ER PIN x BOX SUB  |

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|---------|-------|-------|----------|---------------------|---|
| M       | 05596 | B     | 06/09/03 | RUPTURE DISK        | 16" W/ 16.500" S.C. O.D., 97# (.575" WALL) BOSS BURST DISK COUPLING       |
| M       | 05896 | A     | 06/09/03 | RUPTURE DISK        | 16" BOSS w/ 16.600" S.C. O.D. 97# (.575" WALL) BURST DISK COUPLING        |
| M       | 05821 | A     | 06/09/03 | RUPTURE DISK        | 16" BOSS w/ 16.600" S.C. O.D. 109# (.656" wall) burst disk coupling       |
| M       | 05894 | A     | 06/09/03 | RUPTURE DISK        | 16" BOSS w/ 16.750" S.C. O.D. 97# (.575"WALL) BUST DISK COUPLING          |
| A       | 09495 | B     | 07/03/19 | RUPTURE DISK        | 16.100" APRS DISK SUB, PIN X BOX BLANKING                                 |
| A       | 09248 |       | 02/18/16 | RUPTURE DISK        | 16.100" 103.39# SEAL-LOCK SF APRS DISK SUB, PIN X BOX                     |
| A       | 09247 |       | 02/17/16 | RUPTURE DISK        | 16.150" 119.23# SEAL-LOCK SF APRS DISK SUB, PIN X BOX                     |
| A       | 06764 | B     | 08/16/05 | RUPTURE DISK        | 17 7/8" 105# HYDRIL 521 BURST DISK SUB                                    |
| A       | 09427 |       | 09/28/17 | RUPTURE DISK        | 17 7/8" 107.00# TENARIS HYDRIL 512 APRS DISK SUP, PIN X BOX               |
| A       | 09301 |       | 11/07/16 | RUPTURE DISK        | 17 15/16" HD-L (SPECIAL 54" SUB DESIGN) APRS DISK SUB, PIN X BOX          |
| A       | 07365 |       | 08/17/09 | RUPTURE DISK        | 17.959 x .650 WALL HYDRIL 521 PIN x BOX RUPTURE DISK SUB                  |
| A       | 09506 | E     | 07/03/19 | RUPTURE DISK        | 18.000" APRS DISK SUB, PIN X BOX BLANKING                                 |
| A       | 08248 | B     | 08/08/14 | RUPTURE DISK        | 18" 94# HD-L PIN x BOX RUPTURE DISK SUB                                   |
| A       | 06852 | A     | 02/06/06 | RUPTURE DISK        | 18" 94# HYDRIL 521 SUB  |
| A       | 07901 |       | 12/06/11 | RUPTURE DISK        | 18" 105# HYDRIL 511 PIN x BOX RUPTURE DISK SUB                            |
| A       | 06774 | C     | 02/10/17 | RUPTURE DISK        | 18" 117# HYDRIL 511 APRS DISK SUB, PIN X BOX                              |
| A       | 06881 |       | 05/03/06 | RUPTURE DISK        | 18" 117# HYDRIL 511 BURST DISK SUB FROM PIPE                              |
| A       | 07281 | A     | 10/15/09 | RUPTURE DISK        | 18" 117# HYDRIL 521 ON 17.959" x .650" WALL PIPE RUPTURE DISK SUB         |
| A       | 09077 |       | 02/03/17 | RUPTURE DISK        | 18" 117# SEAL-LOCK FLUSH APRS DISK SUB, PIN X BOX                         |
| A       | 08255 |       | 03/26/14 | RUPTURE DISK        | 18" 126# TENARIS HYDRIL 511 RUPTURE DISK SUB, PIN x BOX                   |
| M       | 06744 |       | 04/18/05 | RUPTURE DISK        | 18 5/8" 87.50# BOSS COUPLING  |
| A       | 07292 |       | 03/24/09 | RUPTURE DISK        | 18 5/8" 87.50# BUTTRESS RUPTURE DISK SUB                                  |
| A       | 07351 | B     | 07/01/10 | RUPTURE DISK        | 18.701" 97.28# HYDRIL 561 RUPTURE DISK SUB                                |
| A       | 07352 |       | 06/09/09 | RUPTURE DISK        | 18.701" 97.28# HYDRIL 561 BOX x BOX RUPTURE DISK SUB                      |
| M       | 06442 | A     | 12/15/03 | RUPTURE DISK        | 20" 131# BOSS BURST DISK COUPLING   |
| A       | 05914 | B     | 07/31/03 | RUPTURE DISK        | 20" 131# WELD ON BURST DISK SUB   |
| M       | 05236 | C     | 11/23/04 | RUPTURE DISK        | 20" 133# K-55 BOSS BURST DISK COUPLING                                    |
| A       | 05839 | B     | 07/31/03 | RUPTURE DISK        | 20" 133# WELD ON BURST DISK SUB   |
| A       | 07254 |       | 11/12/08 | RUPTURE DISK        | 20" 133# WELD ON, RL 4S RUPTURE DISK SUB                                  |
| A       | 07258 | A     | 08/09/12 | RUPTURE DISK        | 20" 133# WELD ON, D.Q. E60MT & H-90 RUPTURE DISK SUB                      |
| A       | 07282 |       | 02/17/09 | RUPTURE DISK        | 20" 133# TENARIS HYDRIL ER, BOX x BOX RUPTURE DISK SUB                    |
| A       | 07412 |       | 12/17/09 | RUPTURE DISK        | 20" 133# SL BOSS BOX x BOX RUPTURE DISK SUB                               |
| A       | 08052 |       | 10/31/12 | RUPTURE DISK        | 20" 154# WELD ON, RL-4S RUPTURE DISK SUB                                  |
| A       | 07309 |       | 04/15/09 | RUPTURE DISK        | 20" 166.56 WELD ON, LEOPARD RUTURE DISK SUB                               |
| M       | 06554 | A     | 03/30/04 | RUPTURE DISK        | 20" 169# BOSS BURST DISK COUPLING FOR 7/8" BURST DISK                     |
| M       | 05237 | D     | 03/18/04 | RUPTURE DISK        | 20" 169# N-80 BOSS BURST DISK COUPLING FOR 1 1/4" BURST DISK              |
| A       | 05765 | B     | 07/31/03 | RUPTURE DISK        | 20" 169# X-56 WELD ON SUB   |
| A       | 06763 |       | 07/05/05 | RUPTURE DISK        | 20" 169# BLANK - SPECIAL I.D. PAD FOR INTERNAL BURST DISK PRESSURE TESTER |
| A       | 07817 |       | 07/18/11 | RUPTURE DISK        | 20" 169# VAM BIG OMEGA IS RUPTURE DISK SUB                                |

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|---------|-------|-------|----------|---------------------|--|
| A       | 07948 |       | 03/15/12 | RUPTURE DISK        | 20" 169# GB CDE 3P ON PIPE RUPTURE DISK BOX x PIN SUB  |
| A       | 08032 |       | 09/26/12 | RUPTURE DISK        | 20" 169# (.812" WALL) SL BOSS BOX x PIN RUPTURE DISK SUB   |
| A       | 07130 |       | 01/29/08 | RUPTURE DISK        | 20" X .625" WALL DRIL-QUIP S-60/MT   |
| A       | 06843 |       | 11/29/05 | RUPTURE DISK        | 20" X .750" WALL FOR WELD ON CONNECTOR BURST DISK SUB  |
| A       | 06872 |       | 03/16/06 | RUPTURE DISK        | 20" X .750" WALL XL SYSTEMS VIPER BOX x PIN SUB  |
| A       | 07138 | A     | 02/18/11 | RUPTURE DISK        | 20" x .812" WALL DRIL-QUIP S-60/MT & E-60/MT RUPTURE DISK SUB  |
| A       | 07583 |       | 12/07/10 | RUPTURE DISK        | 20" x .812" WALL SL BOSS BOX x PIN RUPTURE DISK SUB (ON PIPE)  |
| A       | 07818 |       | 07/27/11 | RUPTURE DISK        | 20" x .812" WALL WAM BIG OMEGA IS COUPLING x PIN RUPTURE DISK SUB (ON PIPE)                          |
| A       | 07326 |       | 04/29/09 | RUPTURE DISK        | 22" 224# RL4S, PETROBRAS RUPTURE DISK SUB  |
| A       | 07327 |       | 04/29/09 | RUPTURE DISK        | 22" 224# XLW, PETROBRAS RUPTURE DISK SUB   |
| A       | 07820 | A     | 08/17/11 | RUPTURE DISK        | 22" 277# DRIL-QUIP H-90 RUPTURE DISK SUB   |
| A       | 07171 |       | 03/14/08 | RUPTURE DISK        | 22" x 1" WALL (224#) VETCO GRAY RL-4S RUPTURE DISK SUB   |
| A       | 09171 |       | 09/02/15 | RUPTURE DISK        | CUSTOMER SPECIFIED ALL SIZES - .750" WALL OR GREATER APRS DISK SUB FOR WELD ON CONNECTORS, PIN X BOX |
| M       | 06692 |       | 01/04/05 | RUPTURE DISK        | ALTERNATE HOLDING BAR FOR EXTERNAL BURST DISK TESTER   |
| M       | 06691 |       | 01/04/05 | RUPTURE DISK        | ALTERNATE O.D. PAD MOUNTING BAR FOR EXTERNAL BURST DISK TESTER                                       |
| M       | 06296 | A     | 06/11/03 | RUPTURE DISK        | Angle brace for pump stand for burst disk tester   |
| M       | 06732 |       | 03/08/05 | RUPTURE DISK        | ATTENUATOR CAP INTERNAL BURST DISK TESTER  |
| M       | 06733 |       | 03/08/05 | RUPTURE DISK        | ATTENUATOR CHAMBER INTERNAL BURST DISK TESTER  |
| A       | 06378 | A     | 03/10/05 | RUPTURE DISK        | BLANK I.D. PAD FOR INTERNAL BURST DISK PRESSURE TESTER   |
| A       | 05354 | A     | 06/09/03 | RUPTURE DISK        | BLANKED ASSEMBLY BOSS CASING FOR EXXON   |
| A       | 05599 | C     | 06/26/03 | RUPTURE DISK        | BURST DISK CAP   |
| A       | 06386 |       | 10/02/03 | RUPTURE DISK        | BURST DISK CAP INSTALLATION TOOL   |
| A       | 06183 |       | 11/20/02 | RUPTURE DISK        | FIKE BURST DISK RECEPTICLE PAD-A & PAD-I   |
| A       | 06193 | A     | 06/26/03 | RUPTURE DISK        | FIKE PAD BURST DISK CAP  |
| G       | 06192 |       | 11/27/02 | RUPTURE DISK        | GO/NO GO GAGE FOR .439" HOLE FOR FIKE BURST DISK RECEPTACLE  |
| M       | 06690 |       | 01/04/05 | RUPTURE DISK        | HINGLE BLOCK FOR EXTERNAL BURST DISK TESTER  |
| M       | 06618 |       | 08/12/04 | RUPTURE DISK        | HOLDING BAR FOR EXTERNAL BURST DISK TESTER   |
| A       | 06208 |       | 12/10/02 | RUPTURE DISK        | HOLDING NUT FOR INTERNAL BURST DISK PRESSURE TESTER  |
| A       | 06204 | F     | 06/15/12 | RUPTURE DISK        | I.D. PAD FOR INTERNAL BURST DISK PRESSURE TESTER   |
| M       | 06294 | A     | 06/11/03 | RUPTURE DISK        | Long base for pump stand for burst disk tester   |
| A       | 05684 |       | 02/01/01 | RUPTURE DISK        | LOW PROFILE BURST DISK ASSEMBLY  |
| M       | 06295 | A     | 06/11/03 | RUPTURE DISK        | Mounting bar for pump stand for burst disk tester  |
| A       | 06209 |       | 12/10/02 | RUPTURE DISK        | NUT HANDLE FOR INTERNAL BURST DISK PRESSURE TESTER   |
| M       | 06616 |       | 08/11/04 | RUPTURE DISK        | O.D. PAD (BAR STYLE) FOR EXTERNAL BURST DISK TESTER  |
| M       | 06617 |       | 08/12/04 | RUPTURE DISK        | O.D. PAD MOUNTING BAR FOR EXTERNAL BURST DISK TESTER   |
| A       | 05632 | A     | 06/09/03 | RUPTURE DISK        | O-RING BURST DISK TEST FIXTURE (CURRENTLY FOR BOSS)  |
| A       | 06247 | A     | 03/04/03 | RUPTURE DISK        | O-RING BURST DISK, A06239 & A06240 TEST FIXTURE  |
| M       | 06613 |       | 07/26/04 | RUPTURE DISK        | O-RING I.D. GO / NO-GO GAGE  |

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| M       | 06612 |       | 07/26/04 | RUPTURE DISK        | O-RING THICKNESS GO / NO GO GAGE  |
| A       | 06206 | F     | 06/15/12 | RUPTURE DISK        | PISTON ROD FOR INTERNAL BURST DISK PRESSURE TESTER  |
| M       | 06726 |       | 02/14/05 | RUPTURE DISK        | PRESSURE CHAMBER CAP (TYPE II) FOR BURST DISK CYLINDER  |
| M       | 06718 | A     | 02/14/05 | RUPTURE DISK        | PRESSURE CHAMBER CAP FOR BURST DISK CYLINDER  |
| M       | 06717 | A     | 02/14/05 | RUPTURE DISK        | PRESSURE CHAMBER FOR BURST DISK CYLINDER  |
| A       | 06205 | C     | 04/19/12 | RUPTURE DISK        | PRESSURE CYLINDER FOR INTERNAL BURST DISK PRESSURE TESTER   |
| M       | 06571 |       | 04/15/04 | RUPTURE DISK        | PUMP BASE PLATE FOR EXTERNAL BURST DISK TESTER  |
| M       | 06570 |       | 04/15/04 | RUPTURE DISK        | PUMP HANDLE FOR EXTERNAL BURST DISK TESTER  |
| M       | 06569 |       | 04/15/04 | RUPTURE DISK        | PUMP RESERVOIR FOR EXTERNAL BURST DISK TESTER   |
| M       | 06584 |       | 05/11/04 | RUPTURE DISK        | RUBBER RING FOR EXTERNAL BURST DISK TESTER (TYPE 2)   |
| M       | 07143 |       | 02/01/08 | RUPTURE DISK        | RUPTURE DISK RECEPACLE FOR FIKE A8219-X DISK ASSY   |
| A       | 08033 | B     | 06/05/19 | RUPTURE DISK        | ALL SIZES- .750" WALL OR GREATER APRS DISK SUB FOR WELD ON CONNECTOR ON PIPE PIN X BOX              |
| A       | 08169 |       | 05/05/17 | RUPTURE DISK        | APRS DISK SUB FOR CUSTOMER PROVIDED ON CONNECTION ON PIPE P x B - ALL SIZES - .750" WALL OR GREATER |
| M       | 06293 | A     | 06/11/03 | RUPTURE DISK        | Side base for pump stand for burst disk tester  |
| A       | 06207 | C     | 04/19/12 | RUPTURE DISK        | SPACER RING FOR INTERNAL BURST DISK PRESSURE TESTER   |
| A       | 06747 |       | 04/20/05 | RUPTURE DISK        | SPECIAL I.D. PAD FOR INTERNAL BURST DISK PRESSURE TESTER, FOR BP TEST ONLY                          |
| A       | 06266 |       | 04/17/03 | RUPTURE DISK        | TEST FIXTURE - INTERNAL BURST DISK TEST TOOL  |
| M       | 06313 |       | 06/12/03 | RUPTURE DISK        | Vertical brace for pump stand for burst disk tester   |
| P       | 00454 | D     | 11-3-89  | SEAL RING           | 1/2" Seal-lock PC box, tabulated  |
| P       | 02189 | C     | 10/27/03 | SEAL RING           | 1/2" Seal-lock PC casing box, tabulated   |
| P       | 01625 |       | 8-23-89  | SEAL RING           | 1/2" TC NU-lock PC box, tabulated   |
| P       | 06702 | A     | 04/03/17 | SEAL RING           | 1.050" - 20" SEAL RING DIMS FOR API 5CT   |
| M       | 06703 |       | 01/24/05 | SEAL RING           | 1.050" - 20" SEAL RING GROOVE FOR API 5CT   |
| P       | 04815 | B     | 01/04/13 | SEAL RING           | 2 1/16 - 4 1/2" FOR TSHP-SR   |
| P       | 01707 | D     | 10-31-90 | SEAL RING           | 2 3/8" Installation tool, components & assembly for seal-lock PC                                    |
| P       | 01420 | A     | 8-16-90  | SEAL RING           | 2 3/8 - 3 1/2" I-J NU-Lock PC tubing  |
| P       | 01449 | A     | 8-17-90  | SEAL RING           | 2 3/8 - 3 1/2" Installation tool for I-J NU-lock PC   |
| P       | 02141 | A     | 11-7-90  | SEAL RING           | 2 3/8 - 3 1/2" Installation tool for seal-lock FGL  |
| P       | 00536 | B     | 2-14-89  | SEAL RING           | 2 3/8 - 3 1/2" Installation tool for seal-lock PC   |
| P       | 00354 | A     | 2-14-89  | SEAL RING           | 2 3/8 - 3 1/2" Installation tool for TC NU-lock PC  |
| P       | 01396 |       | 1-13-89  | SEAL RING           | 2 3/8 - 3 1/2" TC NU-lock PC  |
| P       | 01437 | A     | 2-13-89  | SEAL RING           | 2 3/8 - 4 1/2" HD Lock-it PR  |
| P       | 04816 | A     | 10-2-98  | SEAL RING           | 2 3/8 - 4 1/2" FOR TSHD-SR  |
| P       | 01607 | A     | 10-25-89 | SEAL RING           | 2 3/8", 2 7/8", & 3 1/2" Seal-lock PC   |
| P       | 02087 |       | 5-24-90  | SEAL RING           | 2 7/8" HD Lock-it PC  |
| P       | 01645 | E     | 10-29-90 | SEAL RING           | 2 7/8" Installation tool, components & assembly for seal-lock PC                                    |
| P       | 01708 | D     | 10-31-90 | SEAL RING           | 3 1/2" Installation tool, components & assembly for seal-lock PC                                    |
| P       | 02353 |       | 8-2-91   | SEAL RING           | 4 1/2" 16.60# Installation tool for seal-lock PC casing   |
| P       | 02518 | D     | 6-10-97  | SEAL RING           | 4 1/2 - 7" Installation tool for seal-lock FGL casing   |

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| P       | 02201  | A     | 1-7-91   | SEAL RING               | 5 1/2" Installation tool, components & assembly for seal-lock PC                        |
| P       | 01410  |       | 1-24-89  | SEAL RING               | 8" HW, 8 5/8", 10 3/4" Big "O" Seal-Lock  |
| P       | 01612  |       | 8-11-89  | SEAL RING               | 8 5/8" Installation tool for seal-lock PC casing  |
| P       | 01605  |       | 8-1-89   | SEAL RING               | 8 5/8" Seal-lock PC casing  |
| P       | 02307  |       | 5-9-91   | SEAL RING               | 13 3/8 - 20" Boss casing connection   |
| P       | 02140  | E     | 3-17-97  | SEAL RING               | Half-seal ring for TC NU-lock FGL & seal-lock FGL box, tabulated                        |
| P       | 00244  | C     | 2-14-89  | SEAL RING               | Seal-lock and seal-lock HC couplings  |
| P       | 02106  | E     | 3-17-97  | SEAL RING               | Seal-lock FGL, TC NU-lock FGL, tabulated  |
| P       | 02187  | C     | 10/27/03 | SEAL RING               | Seal-lock PC casing   |
| G       | 01484  | B     | 4-11-89  | SETTING STANDARD BLOCKS | 2 3/8 - 3 1/2" IJ NU-Lock & TC NU-Lock, 2 3/8- 3 1/2" SL, SLHC & SLPC Box diameter      |
| G       | 01509  |       | 4-3-89   | SETTING STANDARD BLOCKS | 2 3/8 - 3 1/2" Lock-it box diameter   |
| G       | 01508  |       | 4-3-89   | SETTING STANDARD BLOCKS | 2 3/8 - 3 1/2" Lock-it tubing pin diameter  |
| G       | 01480  | A     | 3-16-89  | SETTING STANDARD BLOCKS | 2 3/8 - 3 1/2" SL, TC NU-Lock & IJ NU-lock tubing pin diameter                          |
| G       | 01512  |       | 4-3-89   | SETTING STANDARD BLOCKS | 2 3/8 - 4 1/2" HD Lock-it box diameter  |
| G       | 01511  |       | 4-5-89   | SETTING STANDARD BLOCKS | 2 3/8 - 4 1/2" HD Lock-it tubing pin diameter   |
| G       | 01464  | A     | 4-11-89  | SETTING STANDARD BLOCKS | 4 1/2 - 10 3/4" HWSL, 11 3/4- 13 5/8" SL & SLHC Box diameter                            |
| G       | 01463  | B     | 1-8-96   | SETTING STANDARD BLOCKS | 4 1/2 - 10 3/4" SL & SLHC Box diameter set. Std. Blocks for use with Gagemaker mic-trac |
| G       | 01465  | A     | 3-15-89  | SETTING STANDARD BLOCKS | 4 1/2 - 10 3/4" SL & SLHC Pin diameter  |
| G       | 01538  | A     | 4-29-91  | SETTING STANDARD BLOCKS | 4 1/2 - 13 3/8" HW SL casing box diameter   |
| G       | 01466  |       | 4-3-89   | SETTING STANDARD BLOCKS | 4 1/2 - 11 3/4" HWSL , 11 3/4- 13 5/8" SL & SLHC Pin diameter                           |
| G       | 01545  |       | 5-3-89   | SETTING STANDARD BLOCKS | Big "O" Seal-lock casing box diameter for gagemaker mic-trac                            |
| G       | 01543  |       | 5-2-89   | SETTING STANDARD BLOCKS | Big "O" Seal-Lock casing pin diameter for gagemaker mic-trac                            |
| I       | 01796  |       | 11-9-89  | SL                      | 2 3/8" Pin gage offsets using a 2 3/8" HD lock-it pin setting standard                  |
| G       | 00839  | B     | 11-22-89 | SL                      | 2 3/8" Pin setting standard for all grades  |
| I       | 02074  |       | 5-2-90   | SL                      | 2 3/8" SL lift plug Pin gage offsets using a 2 3/8" SL pin setting standard             |
| M       | 01066  | A     | 9-25-89  | SL                      | 2 3/8 - 3 1/2" Coupling all weights, grade P-105 and below                              |
| M       | 01220  |       | 2-23-89  | SL                      | 2 3/8 - 3 1/2" Special clearance O.D. dimension cplgs.                                  |
| M       | 00767  | C     | 1-8-90   | SL                      | 2 3/8 - 3 1/2" tubing accessory box all weights, grade P-105 and below                  |
| G       | 00840  | B     | 11-21-89 | SL                      | 2 7/8" Pin setting standard for all grades  |
| I       | 02075  |       | 5-2-90   | SL                      | 2 7/8" SL lift plug Pin gage offsets using a 2 7/8" SL pin setting standard             |
| G       | 00841  | C     | 11-21-89 | SL                      | 3 1/2" Pin setting standard for all grades  |
| I       | 02076  |       | 5-2-90   | SL                      | 3 1/2" SL lift plug Pin gage offsets using a 3 1/2" SL pin setting standard             |
| I       | 03272  |       | 9-21-94  | SL                      | 3 1/2" SL Pin gage offsets using 3 1/2" HD lock-it pin standard                         |
| I       | 01559  |       | 5-12-89  | SL                      | 4 1/2" Pin gage offsets using a 4 1/2" Pin setting standard                             |
| M       | 01229  | D     | 12/23/15 | SL                      | 4 1/2" - 10 3/4" CASING COUPLING ALL WEIGHTS, GRADE Q-125 & BELOW                       |
| M       | 01229M |       | 01/13/16 | SL                      | 4 1/2" - 10 3/4" CASING COUPLING ALL WEIGHTS, GRADE Q-125 & BELOW (METRIC)              |
| I       | 01450  | A     | 11-13-89 | SL                      | 5" Coupling gage setting information, all weights                                       |
| G       | 01804  | A     | 07/03/00 | SL                      | 5" Coupling setting standard for all weights all grades                                 |
| I       | 01451  | B     | 11-13-89 | SL                      | 5" Pin gage setting information, all weights  |



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|---------|-------|-------|----------|---------------------|--|
| I       | 01518 |       | 4-13-89  | SL                  | 5 1/2" Coupling gage setting information                                 |
| G       | 00866 | C     | 07/03/00 | SL                  | 5 1/2" Coupling setting standard for all grades                          |
| G       | 00867 | C     | 07/03/00 | SL                  | 6 5/8" Coupling setting standard for all grades                          |
| G       | 00676 | C     | 07/03/00 | SL                  | 7" Coupling setting standard for all grades                              |
| I       | 00776 |       | 1-15-88  | SL                  | 7" Pin MRP gage setting information                                      |
| I       | 01906 |       | 1-19-90  | SL                  | 7 5/8" Box gage offsets using a 7 5/8" Box setting standard              |
| G       | 00868 | C     | 07/03/00 | SL                  | 7 5/8" Coupling setting standard for all grades                          |
| G       | 00869 | B     | 07/03/00 | SL                  | 8 5/8" Coupling setting standard for all grades                          |
| A       | 01622 |       | 8-22-89  | SL                  | 8 5/8" Stabbing guide housing  |
| A       | 01623 |       | 8-23-89  | SL                  | 8 5/8" Stabbing guide insert   |
| M       | 00539 | A     | 1-25-90  | SL                  | 9 5/8" Stabbing collar   |
| M       | 02639 |       | 6-8-92   | SL                  | 9 5/8" 40# Pin x 8 5/8" 36# SM box crossover sub                         |
| P       | 00387 | A     | 1-13-87  | SL                  | 9 5/8" 43.50# Plastic coating specification                              |
| M       | 01246 | A     | 1-25-90  | SL                  | 9 5/8" Pin x 8 5/8" Buttress box crossover sub                           |
| M       | 01609 | C     | 10-12-89 | SL                  | 9 5/8" Pin x 8 5/8" SM box crossover sub                                 |
| M       | 01728 |       | 10-27-89 | SL                  | 9 5/8" Pin x 8 5/8" SM box crossover sub                                 |
| M       | 01230 | E     | 04/08/04 | SL                  | 11 3/4 - 13 5/8" Casing coupling all weights, grade Q-125 and below      |
| I       | 00849 |       | 3-16-88  | SL                  | 13 3/8" Pin gage setting information                                     |
| P       | 01592 |       | 6-30-89  | SL                  | 13 5/8" Pin & box accessory blanking dimension                           |
| I       | 00907 |       | 4-10-88  | SL                  | 13 5/8" Pin gage setting information                                     |
| I       | 02532 | B     | 1-8-96   | SL                  | Casing box mic-trac block offsets for mic-trac taper block               |
| M       | 02638 | A     | 8-10-92  | SL (SLIM)           | 11 7/8" 71.80# Casing coupling   |
| M       | 02637 | A     | 8-10-92  | SL (SLIM)           | 11 7/8" 71.80# Casing pin connector                                      |
| I       | 01506 | A     | 1-8-96   | SL, SLHC            | 4 1/2 - 10 3/4" Casing box mic-trac block offsets & riser block settings |
| I       | 01494 |       | 3-20-89  | SL, SLHC            | 4 1/2 - 10 3/4" Casing pin mic-trac block offsets                        |
| I       | 01364 | A     | 12/23/15 | SL, SLHC            | 4 1/2" 11.60 - 17# Pin gage setting dimensions                           |
| I       | 01863 |       | 12-21-89 | SL, SLHC            | 5 1/2" Pin gage setting dimensions                                       |
| I       | 01564 |       | 5-18-89  | SL, SLHC            | 7" Box gage offsets using a 7" box setting standard                      |
| I       | 02000 |       | 4-16-90  | SL, SLHC            | 7" box setting standard (Box gage offsets per M01192)                    |
| G       | 01550 |       | 5-5-89   | SL, SLHC            | 7 5/8" Pin setting standard (cone method)                                |
| I       | 01615 |       | 8-15-89  | SL, SLHC            | 8 5/8" Box gage offsets using a 8 5/8" box setting standard              |
| I       | 01574 |       | 6-12-89  | SL, SLHC            | 9 5/8" Box gage offsets using a 9 5/8" box setting standard              |
| I       | 01709 |       | 10-24-89 | SL, SLHC            | 9 5/8" Box setting standard (Box gage offsets no revision)               |
| I       | 01616 |       | 8-16-89  | SL, SLHC            | 10 3/4" Box gage offsets using a 10 3/4" box setting standard            |
| I       | 01608 |       | 8-3-89   | SL, SLHC            | 11 3/4" Box gage offsets using a 11 3/4" box setting standard            |
| I       | 01640 |       | 9-1-89   | SL, SLHC            | 11 3/4 - 13 5/8" Casing pin mic-trac block offsets                       |
| I       | 01621 |       | 8-21-89  | SL, SLHC            | 13 3/8" Box gage offsets using a 13 3/8" box setting standard            |
| G       | 00842 | B     | 07/03/00 | SL, SLHC, SLGS      | 4 1/2" Pin setting standard for all grades                               |
| M       | 01216 | I     | 03/30/16 | SL, SLHC, SLGS      | 4 1/2" - 7" CASING PIN CONNECTOR ALL WEIGHTS, GRADE Q-125 & BELOW        |

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| M       | 01216M | D     | 03/30/16 | SL, SLHC, SLGS      | 4 1/2" - 7" CASING PIN CONNECTOR ALL WEIGHTS, GRADE Q-125 & BELOW (METRIC)   |
| M       | 01228  | C     | 01/12/17 | SL, SLHC, SLGS      | 4 1/2" - 13 5/8" SPECIAL CLEARANCE COUPLING O.D. & BEVEL DIMENSIONS          |
| M       | 01228M |       | 01/13/16 | SL, SLHC, SLGS      | 4 1/2" - 13 5/8" SPECIAL CLEARANCE COUPLING O.D. & BEVEL DIMENSIONS (METRIC) |
| G       | 01805  | A     | 07/03/00 | SL, SLHC, SLGS      | 5" Pin setting standard for all weights, all grades                          |
| G       | 00844  | B     | 07/03/00 | SL, SLHC, SLGS      | 5 1/2" Pin setting standard for all grades                                   |
| G       | 00858  | B     | 07/03/00 | SL, SLHC, SLGS      | 6 5/8" Pin setting standard for all grades                                   |
| G       | 00709  | B     | 07/03/00 | SL, SLHC, SLGS      | 7" Pin setting standard for all weights, all grades                          |
| M       | 02136  |       | 8-8-90   | SL, SLHC, SLGS      | 7" 32# Casing pin connector w/ left-hand thread, grade Q-125 & below         |
| I       | 01558  |       | 5-10-89  | SL, SLHC, SLGS      | 7 5/8" Pin gage setting dimensions   |
| G       | 00859  | B     | 07/03/00 | SL, SLHC, SLGS      | 7 5/8" Pin setting standard for all grades                                   |
| M       | 01217  | D     | 2-16-94  | SL, SLHC, SLGS      | 7 5/8" - 10 3/4" Casing pin connector grade Q-125 and below                  |
| M       | 01217M |       | 07/17/00 | SL, SLHC, SLGS      | 7 5/8" - 10 3/4" Casing pin connector grade Q-125 and below (metric)         |
| I       | 01617  |       | 8-16-89  | SL, SLHC, SLGS      | 8 5/8" Pin gage setting dimensions   |
| G       | 00860  | C     | 07/03/00 | SL, SLHC, SLGS      | 8 5/8" Pin setting standard for all grades                                   |
| I       | 01510  |       | 4-4-89   | SL, SLHC, SLGS      | 9 5/8" Pin gage setting dimensions   |
| G       | 01575  | E     | 07/03/00 | SL, SLHC, SLGS      | 9 5/8" - 13 5/8" Frame style box setting standard                            |
| G       | 01590  | B     | 07/03/00 | SL, SLHC, SLGS      | 9 5/8" - 13 5/8" Frame style pin setting standard                            |
| M       | 01218  | H     | 10/12/17 | SL, SLHC, SLGS      | 11 3/4" - 13 5/8" ALL WEIGHTS, CASING PIN CONNECTOR GRADE Q-125 & BELOW      |
| M       | 00242  | N     | 07-03-00 | SL, SLHC, SLGS      | Pin I.D chamfer for special drift  |
| M       | 00242M |       | 07/17/00 | SL, SLHC, SLGS      | Pin I.D chamfer for special drift (metric)                                   |
| G       | 00861  | C     | 11-21-89 | SL, SLPC            | 2 3/8" Setting standard for couplings  |
| A       | 01821  | A     | 12-9-91  | SL, SLPC            | 2 3/8" - 3 1/2" Box make-up positioner all weights, all grades               |
| A       | 00770  |       | 4-25-90  | SL, SLPC            | 2 3/8" - 3 1/2" lift plug  |
| I       | 00771  | B     | 1-10-89  | SL, SLPC            | 2 3/8" - 3 1/2" MRP setting dimensions for couplings                         |
| M       | 01065  | A     | 5-10-89  | SL, SLPC            | 2 3/8" - 3 1/2" Pin connector grades P-105 and below                         |
| A       | 01822  | A     | 12-9-91  | SL, SLPC            | 2 3/8" - 3 1/2" Pin make-up positioner all weights, all grades               |
| G       | 00862  | C     | 11-21-89 | SL, SLPC            | 2 7/8" Setting standard for couplings  |
| G       | 00863  | D     | 11-21-89 | SL, SLPC            | 3 1/2" setting standard for couplings  |
| A       | 00548  | B     | 2-14-89  | SL, SLPC            | Make-up stencil for tubing   |
| G       | 03968  |       | 8-19-96  | SLAPEX              | 2 3/8" 4.60 - 6.20# Box setting standard for all grades                      |
| G       | 03967  |       | 8-19-96  | SLAPEX              | 2 3/8" 4.60 - 6.20# Pin setting standard for all grades                      |
| P       | 03999  | B     | 09/29/06 | SLAPEX              | 2 3/8" - 3 1/2" Accessory blanking dimensions                                |
| M       | 03137  | D     | 09/29/06 | SLAPEX              | 2 3/8" - 3 1/2" Pin connector for all grades                                 |
| M       | 04029  | B     | 02/25/09 | SLAPEX              | 2 3/8" - 3 1/2" Tubing coupling all weights, grades P-105 and below          |
| M       | 07572  |       | 10/28/10 | SLAPEX              | 2 7/8" SPECIAL CLEARANCE OD (3.250")   |
| A       | 06256  |       | 02/19/03 | SLAPEX              | 2 7/8" 6.40 - 8.60# LIFT PLUG  |
| G       | 03970  |       | 8-19-96  | SLAPEX              | 2 7/8" 6.40 - 8.60# Box setting standard for all grades                      |
| G       | 03969  |       | 8-19-96  | SLAPEX              | 2 7/8" 6.40 - 8.60# Pin setting standard for all grades                      |
| A       | 06920  |       | 09/29/06 | SLAPEX              | 2 7/8" 6.40# & 3 1/2" 9.20# PIN DAMAGE INSPECTION TOOL                       |

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| M       | 07290 | B     | 03/17/11 | SLAPEX              | 3 1/2" SPECIAL CLEARANCE O.D.  |
| M       | 06819 |       | 10/17/05 | SLAPEX              | 3 1/2" 7.70# COUPLING  |
| M       | 06818 |       | 10/17/05 | SLAPEX              | 3 1/2" 7.70# PIN   |
| M       | 06820 |       | 10/17/05 | SLAPEX              | 3 1/2" 7.70# PIN SWAGING   |
| M       | 07172 |       | 03/17/08 | SLAPEX              | 3 1/2" 10.20# EUE 8 RD PIN x SL APEX PIN CROSSOVER SUB                       |
| M       | 07173 |       | 03/17/08 | SLAPEX              | 3 1/2" 10.20# SL APEX BOX x 4 1/2" X .290 WALL SL APEX PIN CROSSOVER SUB     |
| M       | 07174 |       | 03/17/08 | SLAPEX              | 3 1/2" 10.20# EUE 8 RD PIN x 4 1/2" X .290 WALL SL APEX XP BOX CROSSOVER SUB |
| M       | 07937 |       | 02/24/12 | SLAPEX              | 4" 10.70# PIN  |
| M       | 07938 |       | 02/24/12 | SLAPEX              | 4" 10.70# COUPLING   |
| P       | 04559 | A     | 02/24/12 | SLAPEX              | 4" 10.70# - 22.50# Accessory blanking dimensions                             |
| M       | 04558 |       | 12-17-97 | SLAPEX              | 4" 11.60# - 22.50# Tubing-Coupling   |
| M       | 04557 |       | 12-17-97 | SLAPEX              | 4" 11.60# thru 22.50# Tubing-Pin   |
| M       | 06725 | A     | 08/27/08 | SLAPEX              | 4 1/2" SPECIAL CLEARANCE O.D. AND SPECIAL BEVEL                              |
| P       | 06842 |       | 11/15/05 | SLAPEX              | 4 1/2" .250 - .290 WALL TITANIUM ACCESSORY BLANK. DIM.                       |
| G       | 06805 |       | 09/20/05 | SLAPEX              | 4 1/2" .250 - .290 WALL TITANIUM BOX SETTING STANDARD - EDM FRAME STYLE      |
| M       | 06803 | A     | 10/19/05 | SLAPEX              | 4 1/2" .250 - .290 WALL TITANIUM COUPLING                                    |
| M       | 06802 | A     | 10/19/05 | SLAPEX              | 4 1/2" .250 - .290 WALL TITANIUM PIN   |
| G       | 06804 |       | 09/20/05 | SLAPEX              | 4 1/2" .250 - .290 WALL TITANIUM PIN SETTING STANDARD - EDM FRAME STYLE      |
| M       | 06696 |       | 01/25/05 | SLAPEX              | 4 1/2" 11.60# COUPLING   |
| M       | 06695 |       | 01/25/05 | SLAPEX              | 4 1/2" 11.60# PIN  |
| P       | 03854 | D     | 11/24/09 | SLAPEX              | 4 1/2" 11.60# - 21.40# Accessory blanking dimensions                         |
| G       | 03899 | B     | 01/25/05 | SLAPEX              | 4 1/2" 11.60# - 21.40# Box setting standard for all grades                   |
| G       | 03898 | B     | 01/25/05 | SLAPEX              | 4 1/2" 11.60# - 21.40# Pin setting standard for all grades                   |
| M       | 06704 | A     | 11/15/06 | SLAPEX              | 4 1/2" 11.60# - 21.40# PIN SWAGING DIMENSIONS                                |
| I       | 07530 |       | 08/17/10 | SLAPEX              | 4 1/2" 11.60# - 21.40# PIN & BOX GAGE SET. DIMS FOR ROD STYLE STDS.          |
| M       | 07096 |       | 11/08/07 | SLAPEX              | 4 1/2" 12.60# PIN W/ SPECIAL PIN BORE  |
| M       | 07097 |       | 11/08/07 | SLAPEX              | 4 1/2" 12.60# COUPLING W/ SPECIAL I.D. BORE                                  |
| M       | 07098 |       | 11/08/07 | SLAPEX              | 4 1/2" 12.60# PIN SWAGING W/ SPECIAL PIN BORE                                |
| P       | 07099 |       | 11/08/07 | SLAPEX              | 4 1/2" 12.60# ACCESSORY BLANKING DIMS. W/ SPECIAL BORE                       |
| M       | 05845 |       | 11/08/01 | SLAPEX              | 4 1/2" 12.60# SPECIAL CLEARANCE O.D. AND SPECIAL BEVEL (TOTAL ORDER)         |
| M       | 07355 |       | 07/10/09 | SLAPEX              | 4 1/2" 12.60# SPECIAL CLEARANCE O.D. AND SPECIAL BEVEL                       |
| M       | 02969 | C     | 11/24/09 | SLAPEX              | 4 1/2" 12.60 - 21.40# Coupling   |
| M       | 02968 | D     | 11/24/09 | SLAPEX              | 4 1/2" 12.60 - 21.40# Pin  |
| M       | 07830 |       | 08/17/11 | SLAPEX              | 4 1/2" 12.60# SPECIAL CLEARANCE O.D. AND SPECIAL BEVEL (4.878" )             |
| M       | 06665 |       | 11/0/304 | SLAPEX              | 4 1/2" 13.50# COUPLING SPECIAL CLEARANCE FOR TOTAL                           |
| M       | 06664 |       | 11/03/04 | SLAPEX              | 4 1/2" 13.50# PIN W/ SPECIAL PIN BORE  |
| M       | 06013 |       | 06/17/02 | SLAPEX              | 4 1/2" 13.50# SPEC. CLEAR. O.D. & SPECIAL BEVEL                              |
| M       | 08060 |       | 11/12/12 | SLAPEX              | 4 1/2" 15.10# spec. clearance O.D. and special bevel                         |
| G       | 04789 | B     | 02/24/12 | SLAPEX              | 4" - 7 5/8" Box setting standard-EDM frame style                             |

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| G       | 04788 | B     | 02/24/12 | SLAPEX              | 4" - 7 5/8" Pin setting standard - EDM frame style                          |
| G       | 03049 | C     | 01/25/05 | SLAPEX              | 4 1/2" - 9 5/8" 5 Pitch External taper blocks for Gagemaker setbar standard |
| G       | 03050 | D     | 01/25/05 | SLAPEX              | 4 1/2" - 9 5/8" 5 Pitch Internal taper blocks for Gagmaker setbar standard  |
| M       | 02858 | B     | 1-26-96  | SLAPEX              | 5 " 15 - 24.10# Coupling  |
| M       | 02857 | A     | 1-26-96  | SLAPEX              | 5 " 15 - 24.10# Pin   |
| P       | 02883 | B     | 3-18-97  | SLAPEX              | 5" 15 - 24.10# Accessory blanking dimensions                                |
| G       | 02861 | A     | 6-25-96  | SLAPEX              | 5" 15 - 24.10# Pin setting standard for all grades                          |
| G       | 02862 | A     | 6-25-96  | SLAPEX              | 5" 15 - 24.10# Box setting standard for all grades                          |
| M       | 07425 | A     | 12/07/11 | SLAPEX              | 5.260" WALL PIN   |
| M       | 07426 | A     | 12/07/11 | SLAPEX              | 5.260" WALL COUPLING  |
| G       | 07427 | A     | 12/07/11 | SLAPEX              | 5.260" WALL PIN SET. STD. - EDM FRAME STYLE                                 |
| G       | 07428 | A     | 12/07/11 | SLAPEX              | 5.260" WALL BOX SET. STD. - EDM FRAME STYLE                                 |
| P       | 07429 | B     | 03/14/13 | SLAPEX              | 5.260" WALL ACC. BLANK. DIMS.   |
| I       | 07571 | A     | 12/07/11 | SLAPEX              | 5.260" WALL PIN & BOX GAGE SETTING DIMS FOR ROD STYLE STDS                  |
| PDO     | 07974 |       | 05/11/12 | SLAPEX              | 5.26" 23# PIN SPECIAL BORE  |
| M       | 02767 | G     | 2-25-97  | SLAPEX              | 5 1/2" 15.50 - 20.# Pin   |
| M       | 02768 | E     | 03/01/04 | SLAPEX              | 5 1/2" 15.50 - 20# Coupling   |
| P       | 03985 | A     | 10/15/07 | SLAPEX              | 5 1/2" 15.50 - 20# Accessory blanking dimensions                            |
| G       | 02794 | B     | 10/15/07 | SLAPEX              | 5 1/2" 15.50 - 20# Pin setting standard for all grades                      |
| M       | 07475 |       | 06/02/10 | SLAPEX              | 5 1/2" 23# 6.050" SPECIAL CLEARANCE O.D. & SPECIAL BEVEL                    |
| P       | 03986 |       | 9-3-96   | SLAPEX              | 5 1/2" 23 - 29.70# Accessory blanking dimensions                            |
| G       | 03901 |       | 6-25-96  | SLAPEX              | 5 1/2" 23 - 29.70# Box setting standard for all grades                      |
| M       | 02971 | A     | 1-26-96  | SLAPEX              | 5 1/2" 23 - 29.70# Coupling   |
| M       | 02970 | A     | 1-26-96  | SLAPEX              | 5 1/2" 23 - 29.70# Pin  |
| G       | 03900 |       | 6-25-96  | SLAPEX              | 5 1/2" 23 - 29.70# Pin setting standard for all grades                      |
| P       | 03987 |       | 9-3-96   | SLAPEX              | 6 5/8" 28 - 47.10# Accessory blanking dimensions                            |
| M       | 02975 | A     | 2-6-96   | SLAPEX              | 6 5/8" 28 - 47.10# Coupling   |
| M       | 02974 | A     | 2-2-96   | SLAPEX              | 6 5/8" 28 - 47.10# Pin  |
| M       | 07424 |       | 02/11/10 | SLAPEX              | 6 5/8" 32# SPECIAL CLEARANCE O.D. (7.402") AND SPECIAL BEVEL                |
| M       | 07473 |       | 05/25/10 | SLAPEX              | 6 5/8" 32# SPECIAL CLEARANCE O.D. (7.340") AND SPECIAL BEVEL                |
| I       | 03312 |       | 1-12-95  | SLAPEX              | 6 5/8" 47.06# Gage setting offsets  |
| G       | 03051 | A     | 4-2-96   | SLAPEX              | 6 5/8 - 13 5/8" 4 Pitch external taper blocks (M02698 Threadform)           |
| G       | 03052 | B     | 4-2-96   | SLAPEX              | 6 5/8 - 13 5/8" 4 Pitch internal taper blocks (M02699 Threadform)           |
| G       | 02706 | D     | 8-20-96  | SLAPEX              | 6 5/8 - 13 5/8" Frame style box setting standard w/ threadform M02699       |
| G       | 02705 | D     | 8-20-96  | SLAPEX              | 6 5/8 - 13 5/8" Frame style pin setting standard w/ threadform M02698       |
| M       | 07497 |       | 07/14/10 | SLAPEX              | 7" 29# SPECIAL CLEARANCE O.D. & BEVEL (7.547")                              |
| M       | 07264 |       | 12/17/08 | SLAPEX              | 7" SPECIAL CLEARANCE O.D. AND SPECIAL BEVEL                                 |
| M       | 05110 |       | 06/24/99 | SLAPEX              | 7" 35# SPECIAL CLEAR. OD & BEVEL (M.O.I. ORDER)                             |
| M       | 07183 |       | 04/08/08 | SLAPEX              | 7" 35# SPECIAL CLEAR. OD & BEVEL (7.656 S.C. OD)                            |

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|---------|-------|-------|----------|---------------------|---|
| M       | 07539 |       | 09/01/10 | SLAPEX              | 7" 35# SPECIAL BORE FOR PIN   |
| M       | 07540 |       | 09/01/10 | SLAPEX              | 7" 35# SPECIAL BORE FOR COUPLING                                    |
| M       | 06241 |       | 01/21/03 | SLAPEX              | 7" 38# CONNECTORS ON 7 1/4" 45# PIPE - PULLOUT DETAIL FOR THREADING |
| M       | 06242 |       | 01/21/03 | SLAPEX              | 7" 38# SPECIAL CLEAR. OD & SPECIAL BEVEL                            |
| M       | 02985 |       | 8-17-93  | SLAPEX              | 7 5/8" Pin x 8-round box safety sub                                 |
| P       | 03998 |       | 9-3-96   | SLAPEX              | 7 5/8" 26.40 - 33.70# Accessory blanking dimensions                 |
| M       | 03790 |       | 4-22-96  | SLAPEX              | 7 5/8" 26.40 - 33.70# Coupling                                      |
| M       | 03789 |       | 4-22-96  | SLAPEX              | 7 5/8" 26.40 - 33.70# Pin   |
| M       | 07557 |       | 09/27/10 | SLAPEX              | 7 5/8" 39# (8.239" Special Clearance OD and Special Bevel)          |
| P       | 02930 |       | 5-27-93  | SLAPEX              | 7 5/8" 39 - 59.10# Accessory blanking dimensions                    |
| M       | 02725 | C     | 2-2-96   | SLAPEX              | 7 5/8" 39 - 59.10# Pin  |
| M       | 02726 | B     | 2-6-96   | SLAPEX              | 7 5/8" 39 - 59.10# Coupling   |
| M       | 09391 | A     | 09/08/17 | SLAPEX              | 7 5/8" 39 - 59.10# SPECIAL CLEARANCE COUPLING                       |
| P       | 06887 |       | 05/10/06 | SLAPEX              | 7 5/8" x .375" TITANIUM ACC. BLANKING DIM.                          |
| G       | 06885 |       | 05/10/06 | SLAPEX              | 7 5/8" x .375" TITANIUM BOX SETTING STANDARD - EDM FRAME STYLE      |
| M       | 06883 |       | 05/10/06 | SLAPEX              | 7 5/8" x .375" TITANIUM COUPLING                                    |
| M       | 06882 |       | 05/10/06 | SLAPEX              | 7 5/8" x .375" TITANIUM PIN   |
| G       | 06884 |       | 05/10/6  | SLAPEX              | 7 5/8" x .375" TITANIUM PIN SETTING STANDARD - EDM FRAME STYLE      |
| M       | 06886 |       | 05/10/06 | SLAPEX              | 7 5/8" x .375" TITANIUM PIN SWAGING DIMENSIONS                      |
| P       | 03988 |       | 9-3-96   | SLAPEX              | 7 3/4" 46.10# Accessory blanking dimensions                         |
| M       | 02978 | A     | 2-6-96   | SLAPEX              | 7 3/4" 46.10# Coupling  |
| M       | 02977 | A     | 2-2-96   | SLAPEX              | 7 3/4" 46.10# Pin   |
| G       | 04682 | E     | 09/04/13 | SLAPEX              | 7 3/4" - 13 5/8" Box setting standard - EDM frame style             |
| G       | 04681 | E     | 09/04/13 | SLAPEX              | 7 3/4" - 13 5/8" Pin setting standard - EDM frame style             |
| P       | 03989 |       | 9-3-96   | SLAPEX              | 7 7/8" x .875" Accessory blanking dimensions Wall                   |
| M       | 03671 |       | 1-31-96  | SLAPEX              | 7 7/8" x .875" Coupling wall  |
| M       | 03670 |       | 2-2-96   | SLAPEX              | 7 7/8" x .875" Pin wall   |
| M       | 03035 | B     | 03/10/05 | SLAPEX              | 8" 71 - 84# Coupling  |
| M       | 03034 | B     | 03/10/05 | SLAPEX              | 8" 71 - 84# Pin   |
| G       | 03045 |       | 1-11-94  | SLAPEX              | 8" 71.80# Box soft setting standard                                 |
| G       | 03044 |       | 1-11-94  | SLAPEX              | 8" 71.80# Pin soft setting standard                                 |
| P       | 03990 |       | 9-3-96   | SLAPEX              | 8 5/8" 40 - 63.50# Accessory blanking dimensions                    |
| M       | 02981 | A     | 2-6-96   | SLAPEX              | 8 5/8" 40 - 63.50# Coupling   |
| M       | 02980 | A     | 2-2-96   | SLAPEX              | 8 5/8" 40 - 63.50# Pin  |
| G       | 04164 |       | 2-21-97  | SLAPEX              | 9 5/8" Box frame style setting standard w/ threadform M02766        |
| G       | 04163 |       | 2-21-97  | SLAPEX              | 9 5/8" Pin frame style setting standard w/ threadform M02765        |
| M       | 03414 | A     | 1-26-96  | SLAPEX              | 9 5/8" 36# Pin  |
| P       | 03991 |       | 9-3-96   | SLAPEX              | 9 5/8" 36 - 43.50# Accessory blanking dimensions                    |
| G       | 03418 | B     | 2-25-97  | SLAPEX              | 9 5/8" 36 - 43.50# Box setting standard                             |

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| M       | 03415  | A     | 1-26-96  | SLAPEX              | 9 5/8" 36 - 43.50# Coupling  |
| G       | 03417  | B     | 6-18-97  | SLAPEX              | 9 5/8" 36 - 43.50# Pin setting standard for all grades               |
| A       | 09759  |       | 04/08/19 | SLAPEX              | 9.625" 36.00# - 43.50# PRESSURE TEST PLUG                            |
| A       | 09760  |       | 04/08/19 | SLAPEX              | 9.625" 36.00# - 43.50# PRESSURE TEST CAP                             |
| M       | 04157  |       | 2-18-97  | SLAPEX              | 9 5/8" 43.50# Special O.D. bevel (Total Order)                       |
| M       | 04165  |       | 2-21-97  | SLAPEX              | 9 5/8" 43.50# x 10 3/4" 55.50# Crossover sub. pin x pin              |
| M       | 07543  |       | 09/01/10 | SLAPEX              | 9 5/8" 47# SPECIAL BORE FOR COUPLING                                 |
| M       | 07542  |       | 09/01/10 | SLAPEX              | 9 5/8" 47# SPECIAL BORE FOR PIN                                      |
| P       | 02935  | C     | 09/01/10 | SLAPEX              | 9 5/8" 47 - 71.60# Accessory blanking dimensions                     |
| M       | 02703  | D     | 2-6-96   | SLAPEX              | 9 5/8" 47 - 71.60# Coupling  |
| M       | 02703M | A     | 09/08/10 | SLAPEX              | 9 5/8" 47 - 71.60# Coupling (metric)                                 |
| M       | 06942  |       | 11/14/06 | SLAPEX              | 9 5/8" 47 - 71.60# PIN SWAGING DIMENSIONS                            |
| M       | 02702  | F     | 11/15/06 | SLAPEX              | 9 5/8" 47 - 71.60# Pin   |
| M       | 05979  |       | 05/03/02 | SLAPEX              | 9 5/8" 53.50# APEX PIN X 7" 32# APEX PIN CROSSOVER SUB               |
| P       | 03992  |       | 9-3-96   | SLAPEX              | 9 3/4" 59.20# Accessory blanking dimensions                          |
| M       | 03673  |       | 11-20-95 | SLAPEX              | 9 3/4" 59.20# Coupling   |
| M       | 03672  |       | 11-20-95 | SLAPEX              | 9 3/4" 59.20# Pin  |
| M       | 06175  | A     | 02/18/03 | SLAPEX              | 9 7/8" PIN CONNECTORS ON 10 1/8" PIPE - PULLOUT DETAIL FOR THREADING |
| P       | 06259  |       | 03/20/03 | SLAPEX              | 9 7/8" 62.80# PIN ON 10 1/8" PIPE ACC. BLANK. DIM.                   |
| P       | 03993  | A     | 09/04/13 | SLAPEX              | 9 7/8" 62.80# - 66.90# Accessory blanking dimensions                 |
| M       | 03723  | A     | 09/04/13 | SLAPEX              | 9 7/8" 62.80# - 66.90# Coupling                                      |
| M       | 03722  | C     | 02/03/15 | SLAPEX              | 9 7/8" 62.80# - 66.90# Pin   |
| A       | 08244  |       | 01/20/14 | SLAPEX              | 9 7/8" 66.90# HANDLING PLUG  |
| M       | 07397  |       | 10/26/09 | SLAPEX              | 10 3/4" 45.50# PIN   |
| M       | 07398  |       | 10/26/09 | SLAPEX              | 10 3/4" 45.50# COUPLING  |
| M       | 07399  |       | 10/26/09 | SLAPEX              | 10 3/4" 45.50# ACC. BLANKING DIMS.                                   |
| P       | 03145  | A     | 1/09/03  | SLAPEX              | 10 3/4" 51 - 80.80# Accessory blanking dimensions                    |
| G       | 03047  |       | 1-12-94  | SLAPEX              | 10 3/4" 51 - 80.80# Box soft setting standard                        |
| G       | 03046  |       | 1-12-94  | SLAPEX              | 10 3/4" 51 - 80.80# Pin soft setting standard                        |
| M       | 03043  | B     | 1/09/02  | SLAPEX              | 10 3/4" 51- 80.80# Coupling  |
| M       | 03042  | B     | 1/09/02  | SLAPEX              | 10 3/4" 51- 80.80# Pin   |
| M       | 04158  |       | 2-18-97  | SLAPEX              | 10 3/4" 55.50# Special clearance O.D. (Total Order)                  |
| M       | 06388  |       | 10/13/03 | SLAPEX              | 10 3/4" 84.20# BOX X 9 7/8" PIN ON 10 1/8" PIPE                      |
| P       | 02923  | D     | 10/13/03 | SLAPEX              | 10 3/4" 84.30 - 119# Accessory blanking dimensions                   |
| M       | 02742  | G     | 10/13/03 | SLAPEX              | 10 3/4" 84.30 - 119# Coupling  |
| G       | 02828  | C     | 10/13/03 | SLAPEX              | 10 3/4" 84.30 - 119# Frame style box setting standard                |
| G       | 02827  | C     | 10/13/03 | SLAPEX              | 10 3/4" 84.30 - 119# Frame style pin setting standard                |
| M       | 02741  | E     | 10/13/03 | SLAPEX              | 10 3/4" 84.30 - 119# Pin   |
| G       | 04166  | A     | 3-10-97  | SLAPEX              | 10 3/4" 91.20 - 109# Box soft setting standard                       |

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| G       | 04176 |       | 3-3-97    | SLAPEX              | 10 3/4" 91.20 - 109# Pin soft setting standard                             |
| M       | 04159 |       | 2-19-97   | SLAPEX              | 10 3/4" 97.10# Special clearance O.D. (Total Order)                        |
| M       | 07946 |       | 03/08/12  | SLAPEX              | 10 3/4" 97.10# MATCHED STRENGTH O.D.                                       |
| P       | 03994 |       | 9-3-96    | SLAPEX              | 11 3/4" 60 - 87.20# Accessory blanking dimensions                          |
| M       | 03677 |       | 11-20-95  | SLAPEX              | 11 3/4" 60 - 87.20# Coupling   |
| M       | 03676 |       | 2-2-96    | SLAPEX              | 11 3/4" 60 - 87.20# Pin  |
| P       | 03995 |       | 9-3-96    | SLAPEX              | 11 7/8" 71.80# Accessory blanking dimensions                               |
| M       | 03679 |       | 11-20-95  | SLAPEX              | 11 7/8" 71.80# Coupling  |
| M       | 03678 |       | 11-20-95  | SLAPEX              | 11 7/8" 71.80# Pin   |
| P       | 03996 |       | 9-3-96    | SLAPEX              | 13 3/8" 68 - 92.50# Accessory blanking dimensions                          |
| M       | 03681 |       | 11 -20-95 | SLAPEX              | 13 3/8" 68 - 92.50# Coupling   |
| M       | 03680 |       | 11-20-95  | SLAPEX              | 13 3/8" 68 - 92.50# Pin  |
| M       | 05529 |       | 08/04/00  | SLAPEX              | 13 5/8" 72# SPECIAL OD BEVEL (CHEVRON ORDER)                               |
| P       | 03997 |       | 9-3-96    | SLAPEX              | 13 5/8" 88.20# Accessory blanking dimensions                               |
| M       | 03683 |       | 11-20-95  | SLAPEX              | 13 5/8" 88.20# Coupling  |
| M       | 03682 |       | 11-20-95  | SLAPEX              | 13 5/8" 88.20# Pin   |
| I       | 03778 |       | 4-12-96   | SLAPEX              | Box gage setting offsets using mic-trac tig blocks                         |
| I       | 03777 |       | 4-12-96   | SLAPEX              | Pin gage setting offsets using mic-trac tig blocks                         |
| M       | 03357 | A     | 01/22/07  | SLAPEX              | Pin I.D. transition for special drift                                      |
| P       | 07400 |       | 10/26/09  | SLAPEX              | Plastic coating specification  |
| A       | 09251 | A     | 05/27/16  | SLAPEX              | DUOLINE / MAXTUBE FIBERGLASS LINER COUPLING                                |
| A       | 09261 | A     | 06/28/16  | SLAPEX              | DUOLINE TRANSITION PIECE (DTP) DL - RING SYSTEM                            |
| P       | 09262 | A     | 08/01/16  | SLAPEX              | DUOLINE TRANSITION PIECE (DTP) DL - RING SYSTEM BLANKING DIMENSIONS        |
| A       | 09274 |       | 08/01/16  | SLAPEX              | DUOLINE TRANSITION PIECE (DTP) FL - RING SYSTEM                            |
| P       | 09277 |       | 08/09/16  | SLAPEX              | DUOLINE TRANSITION PIECE (DTP) FL - RING SYSTEM BLANKING DIMENSIONS        |
| G       | 03767 | A     | 10/19/10  | SLAPEX-4P           | 7" Pin setting standard for all grades 4 PITCH                             |
| G       | 03768 | A     | 10/19/10  | SLAPEX-4P           | 7" Coupling setting standard for all grades 4 PITCH                        |
| I       | 03352 | A     | 10/19/10  | SLAPEX-4P           | 7" 23 - 29# Pin & box gage setting offsets for rod style standards 4 PITCH |
| P       | 03856 | B     | 10/19/10  | SLAPEX-4P           | 7" 32 - 50.10# Accessory blanking dimensions 4 PITCH                       |
| M       | 02848 | D     | 10/19/10  | SLAPEX-4P           | 7" 32 - 50.10# Coupling 4 PITCH  |
| M       | 02847 | D     | 10/19/10  | SLAPEX-4P           | 7" 32 - 50.10# Pin 4 PITCH   |
| M       | 07541 | A     | 09/01/10  | SLAPEX-4P & 5P      | 7" 32# 5 PITCH & 7" 32 - 50.10# 4 PITCH PIN SWAGING DIMENSIONS             |
| M       | 07100 | B     | 10/19/10  | SLAPEX-5P           | 7" 23 - 26# PIN W/ SPECIAL PIN BORE 5 PITCH                                |
| M       | 07101 | B     | 10/19/10  | SLAPEX-5P           | 7" 23 - 26# COUPLING W/ SPECIAL I.D. BORE 5 PITCH                          |
| P       | 07102 | B     | 10/19/10  | SLAPEX-5P           | 7" 23 - 26# ACCESSORY BLANKING DIMENSIONS W/ SPECIAL BORE 5 PITCH          |
| G       | 03903 | A     | 10/19/00  | SLAPEX-5P           | 7" 23 - 29# Box setting standard for all grades 5 PITCH                    |
| G       | 03073 | A     | 10/19/10  | SLAPEX-5P           | 7" 23 - 29# Box soft setting standard 5 PITCH                              |
| M       | 03064 | E     | 10/19/10  | SLAPEX-5P           | 7" 23 - 29# Coupling 5 PITCH   |
| M       | 03063 | J     | 10/19/10  | SLAPEX-5P           | 7" 23 - 29# Pin 5 PITCH  |

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|---------|--------|-------|----------|---------------------|--|
| G       | 03902  | A     | 10/19/10 | SLAPEX-5P           | 7" 23 - 29# Pin setting standard for all grades 5 PITCH                            |
| G       | 03072  | A     | 10/19/10 | SLAPEX-5P           | 7" 23 - 29# Pin soft setting standard 5 PITCH                                      |
| M       | 06941  | A     | 10/19/10 | SLAPEX-5P           | 7" 23 - 29# PIN SWAGING DIMENSIONS 5 PITCH   |
| P       | 03855  | C     | 10/19/10 | SLAPEX-5P           | 7" 23 - 32# Accessory blanking dimensions 5 PITCH                                  |
| M       | 03793  | A     | 10/19/10 | SLAPEX-5P           | 7" 32# Coupling 5 pitch thread   |
| M       | 03792  | A     | 10/19/10 | SLAPEX-5P           | 7" 32# Pin 5 pitch thread  |
| M       | 06765  |       | 07/05/05 | SLAPEX / SLAPEX HW  | 10 3/4" 79.20# SL APEX HW BOX X 9 7/8" SL APEX PIN ON 10 1/8" PIPE - CROSSOVER SUB |
| M       | 05977  |       | 04/29/02 | SLAPEX / SLSF       | 9 7/8" 62.80# APEX PIN X 10 1/8" 79.22# SL SF BOX - CROSSOVER SUB                  |
| M       | 05978  | A     | 03/20/03 | SLAPEX / SLSF       | 9 7/8" 62.80# APEX X 10 1/8" 79.22# SL SF CROSSOVER SUB PIN X PIN                  |
| M       | 06312  |       | 06/11/03 | SLAPEX / SLSF       | 10 1/8" 79.22# SL SF PIN X 10 3/4" 85.30# SL APEX BOX CROSSOVER SUB                |
| M       | 06306  |       | 06/10/03 | SLAPEX / SLSF       | 10 3/4" 85.30# APEX X 10 1/8" 79.22# CROSSOVER SUB PIN X PIN                       |
| M       | 03741  | A     | 02/25/09 | SLAPEX, SLAPEX-E    | 2 3/8" - 3 1/2" Dual Clearance O.D. bevels for sl apex & apex E couplings          |
| M       | 06921  |       | 10/02/06 | SLAPEX, SLAPEX-E    | 2 3/8" - 3 1/2" PIN SWAGING  |
| G       | 03972  | A     | 07/02/08 | SLAPEX, SLAPEX-E    | 3 1/2" 7.70 - 12.70# Box setting standard for all grades                           |
| G       | 03971  | A     | 07/02/08 | SLAPEX, SLAPEX-E    | 3 1/2" 7.70 - 12.70# Pin setting standard for all grades                           |
| P       | 04043  | A     | 09/29/06 | SLAPEX-E            | 2 3/8" - 3 1/2" ACCESSORY BLANKING DIMENSIONS                                      |
| M       | 03138  | I     | 02/25/09 | SLAPEX-E            | 2 3/8" - 3 1/2" COUPLING, ALL WEIGHTS, P-105 AND BELOW                             |
| M       | 03137E | F     | 09/29/06 | SLAPEX-E            | 2 3/8" - 3 1/2" PIN, ALL GRADES  |
| A       | 04128  |       | 01/31/97 | SLAPEX-E            | 3 1/2" - 9 5/8" STABBING GUIDE HOUSING   |
| A       | 04127  |       | 01/31/97 | SLAPEX-E            | 3 1/2" - 9 5/8" STABBING GUIDE INSERT  |
| P       | 04044  |       | 10/28/96 | SLAPEX-E            | 5 1/2" 15.50 - 20# ACCESSORY BLANKING DIMENSIONS                                   |
| G       | 04035  |       | 09/17/96 | SLAPEX-E            | 5 1/2" 15.50 - 20# BOX SETTING STANDARD  |
| M       | 03910  | D     | 02/20/97 | SLAPEX-E            | 5 1/2" 15.50 - 20# COUPLING  |
| M       | 02767E | G     | 02-20-97 | SLAPEX-E            | 5 1/2" 15.50 - 20# PIN   |
| G       | 04012  |       | 09/17/96 | SLAPEX-E            | 7" 23 - 29# BOX SETTING STANDARD   |
| M       | 03911  | B     | 02/03/97 | SLAPEX-E            | 7" 23 - 29# COUPLING   |
| M       | 04141  |       | 02/03/97 | SLAPEX-E            | 7" 23 - 29# PIN  |
| P       | 04045  |       | 10/28/96 | SLAPEX-E            | 7" 23 -29# ACC. BLANKING DIMENSIONS  |
| P       | 04046  |       | 10/28/96 | SLAPEX-E            | 9 5/8" 43.50 - 71.60# ACCESSORY BLANK DIM.   |
| M       | 03912  | D     | 01/30/97 | SLAPEX-E            | 9 5/8" 47 - 71.60# COUPLING  |
| G       | 04034  |       | 10/21/96 | SLAPEX-E            | 9 5/8" 47 - 71.60# COUPLING SETTING STANDARD                                       |
| G       | 04040  |       | 10/24/96 | SLAPEX-E            | 9 5/8" 47 - 71.60# FRAME STYLE BOX SETTING STANDARD                                |
| M       | 04074  | B     | 01/30/97 | SLAPEX-E            | 9 5/8" 47 - 71.60# PIN   |
| M       | 04033  |       | 10/21/96 | SLAPEX-E            | SPECIAL O.D. BEVEL FOR COUPLING  |
| M       | 07644  | B     | 10/13/11 | SLAPEX-HW           | 3 1/2" 14.30# PIN  |
| M       | 07645  | B     | 10/13/11 | SLAPEX-HW           | 3 1/2" 14.30# COUPLING   |
| G       | 07723  | A     | 05/18/11 | SLAPEX-HW           | 3 1/2" 14.30# SOFT SETTING STANDARD - PIN  |
| G       | 07724  | A     | 05/18/11 | SLAPEX-HW           | 3 1/2" 14.30# SOFT SETTING STANDARD - BOX  |
| G       | 07794  |       | 06/24/11 | SLAPEX-HW           | 3 1/2" - 9" PIN SETTING STANDARD - EDM FRAME STYLE                                 |



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| G       | 07795 |       | 06/24/11 | SLAPEX-HW           | 3 1/2" - 9" BOX SETTING STANDARD - EDM FRAME STYLE                              |
| M       | 07646 |       | 01/25/11 | SLAPEX-HW           | 7" 74.50# PIN   |
| M       | 07647 |       | 01/25/11 | SLAPEX-HW           | 7" 74.50# COUPLING  |
| G       | 07711 |       | 03/29/11 | SLAPEX-HW           | 7" 74.50# SOFT SETTING STANDARD - PIN   |
| G       | 07712 |       | 03/29/11 | SLAPEX-HW           | 7" 74.50# SOFT SETTING STANDARD - BOX   |
| M       | 07648 |       | 01/25/11 | SLAPEX-HW           | 9" 110.50# PIN  |
| M       | 07649 |       | 01/25/11 | SLAPEX-HW           | 9" 110.50# COUPLING   |
| G       | 07725 |       | 03/29/11 | SLAPEX-HW           | 9" 110.50# SOFT SETTING STANDARD - PIN  |
| G       | 07726 |       | 03/29/11 | SLAPEX-HW           | 9" 110.50# SOFT SETTING STANDARD - BOX  |
| P       | 06128 |       | 09/23/02 | SLAPEX-HW           | 10 3/4" ACC. BLANK. DIM.  |
| M       | 06145 |       | 10/15/02 | SLAPEX-HW           | 10 3/4 79.20# APEX-HW PIN X 10 1/8" 79.22# SL SF PIN CROSSOVER SUB              |
| M       | 06470 |       | 01/02/04 | SLAPEX-HW           | 10 3/4" 79.20# APEX-HW PIN X 11 7/8" 71.80# HYDRIL 511 BOX CROSSOVER SUB        |
| M       | 06127 |       | 09/23/02 | SLAPEX-HW           | 10 3/4" 79.20# COUPLING   |
| M       | 06126 |       | 09/23/02 | SLAPEX-HW           | 10 3/4" 79.20# PIN  |
| M       | 06471 |       | 01/03/04 | SLAPEX-HW           | 10 3/4" 79.20# SPECIAL O.D. BEVEL   |
| P       | 06900 |       | 06/22/06 | SLAPEX-XP           | 4 1/2" .250 - .290 WALL TITANIUM ACCESSORY BLANK. DIM.                          |
| G       | 06899 |       | 06/22/06 | SLAPEX-XP           | 4 1/2" .250 - .290 WALL TITANIUM BOX SETTING STANDARD - EDM FRAME STYLE         |
| M       | 06897 | C     | 07/15/08 | SLAPEX-XP           | 4 1/2" .250 - .290 WALL TITANIUM COUPLING                                       |
| M       | 06896 | C     | 07/15/08 | SLAPEX-XP           | 4 1/2" .250 - .290 WALL TITANIUM PIN  |
| G       | 06898 |       | 06/22/06 | SLAPEX-XP           | 4 1/2" .250 - .290 WALL TITANIUM PIN SETTING STANDARD - EDM FRAME STYLE         |
| M       | 06924 |       | 10/09/06 | SLAPEX-XP           | 4 1/2" .250 - .290 WALL TITANIUM PIN SWAGING DIMENSIONS                         |
| M       | 07188 |       | 04/23/08 | SLAPEX-XP           | 4 1/2" x .290 WALL SL APEX XP PIN x 3 1/2" 10.20# VAMP TOP BOX CROSSOVER SUB    |
| M       | 07189 |       | 04/23/08 | SLAPEX-XP           | 4 1/2" x .290 WALL SL APEX XP PIN x 3 1/2" 10.20# EUE 8 ROUND PIN CROSSOVER SUB |
| P       | 06954 | A     | 02/26/08 | SLAPEX-XP           | 7 5/8" x .375" - .430" WALL TITANIUM ACCESSORY BLANKING DIMENSIONS              |
| G       | 06953 | A     | 02/26/08 | SLAPEX-XP           | 7 5/8" x .375" - .430" WALL TITANIUM BOX SETTING STANDARD - EDM FRAME STYLE     |
| M       | 06951 | C     | 07/15/08 | SLAPEX-XP           | 7 5/8" x .375" - .430" WALL TITANIUM COUPLING                                   |
| M       | 06950 | B     | 07/15/08 | SLAPEX-XP           | 7 5/8" x .375" - .430" WALL TITANIUM PIN  |
| G       | 06952 | A     | 02/26/08 | SLAPEX-XP           | 7 5/8" x .375" - .430" WALL TITANIUM PIN SETTING STANDARD - EDM FRAME STYLE     |
| M       | 06955 |       | 01/04/07 | SLAPEX-XP           | 7 5/8" x .375" WALL TITANIUM PIN SWAGING DIMENSIONS                             |
| M       | 06967 | B     | 07/15/08 | SLAPEX-XP           | 9 5/8" x .395 - .435 WALL TITANIUM COUPLING                                     |
| P       | 06970 | A     | 12/19/07 | SLAPEX-XP           | 9 5/8" x .395 - .435 WALL TITANIUM ACCESSORY BLANKING DIMENSIONS                |
| G       | 06969 | A     | 12/19/07 | SLAPEX-XP           | 9 5/8" x .395 - .435 WALL TITANIUM BOX SETTING STANDARD - EDM FRAME STYLE       |
| M       | 06966 | B     | 11/06/09 | SLAPEX-XP           | 9 5/8" x .395 - .435 WALL TITANIUM PIN  |
| G       | 06968 | A     | 12/19/07 | SLAPEX-XP           | 9 5/8" x .395 - 435 WALL TITANIUM PIN SETTING STANDARD - EDM FRAME STYLE        |
| M       | 06971 |       | 01/31/07 | SLAPEX-XP           | 9 5/8" x .395 WALL TITANIUM PIN SWAGING DIMENSIONS                              |
| M       | 07289 | A     | 04/07/09 | SLAPEX-XP SR        | 7 5/8" x .375" - .430" WALL TITANIUM COUPLING                                   |
| M       | 07363 | B     | 11/24/09 | SLAPEX-XP SR        | 9 5/8" x .395 - .435 WALL TITANIUM COUPLING                                     |
| M       | 05760 |       | 05/18/01 | SLBIGBORE           | 16" 97# PIN SWAGING   |
| M       | 05767 |       | 05/22/01 | SLBIGBORE           | 17.959# 118.50# BOX   |

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| G       | 05769 |       | 05/23/01 | SLBIGBORE           | 17.959# 118.50# EDM FRAME STYLE BOX SETTING STANDARD                           |
| G       | 05768 |       | 05/23/01 | SLBIGBORE           | 17.959# 118.50# EDM FRAME STYLE PIN SETTING STANDARD                           |
| M       | 05766 |       | 05/22/01 | SLBIGBORE           | 17.959# 118.50# PIN  |
| M       | 02089 | A     | 8-22-90  | SLBIGO              | 7 5/8" 60# Casing pin connector  |
| M       | 02090 | A     | 8-22-90  | SLBIGO              | 7 5/8" 60# Coupling  |
| P       | 01418 | A     | 2-8-89   | SLBIGO              | 8 5/8" x 10 3/4" Blanking dimensions   |
| I       | 01362 | A     | 1-5-89   | SLBIGO              | 8" HW SL, 8 5/8" & 10 3/4" Gage setting dimensions test sample couplings       |
| M       | 01269 | C     | 3-16-89  | SLBIGO              | 8 5/8" 77.87# Casing pin connector   |
| M       | 01270 | B     | 2-17-89  | SLBIGO              | 8 5/8" 77.87# Coupling   |
| M       | 01267 | A     | 3-16-89  | SLBIGO              | 10 3/4" 116.32# Pin connector for all grades                                   |
| M       | 01268 | A     | 2-17-89  | SLBIGO              | 10 3/4" 166.32# Coupling   |
| M       | 01923 | A     | 2-9-90   | SLBIGO              | 13 5/8" Coupling special O.D. bevel  |
| M       | 01097 | C     | 12-14-95 | SLBIGO              | 13 5/8" 88.20- 104.50# Coupling w/ special seal tolerances                     |
| M       | 01096 | D     | 12-13-95 | SLBIGO              | 13 5/8" 88.20- 104.50# Pin connector w/ special seal tolerance                 |
| P       | 02534 |       | 1-15-92  | SLBIGO              | 13 5/8" 88.20# Pin & box accessory blanking dimensions                         |
| M       | 01368 | C     | 1-19-90  | SLBIGO              | 13 5/8" - 18 5/8" Pin connector all weights grades Q-125 and below             |
| G       | 01576 | A     | 11-16-89 | SLBIGO              | 13 5/8" - 24 1/2" Box frame style setting standard                             |
| I       | 01556 |       | 8-4-89   | SLBIGO              | 13 5/8" - 24 1/2" Casing box mic-trac block offsets and riser block settings   |
| I       | 01632 |       | 9-11-89  | SLBIGO              | 13 5/8" - 24 1/2" Casing pin mic-trac taper block offsets                      |
| M       | 01370 | A     | 7-13-89  | SLBIGO              | 13 5/8" - 24 1/2" Coupling specified grades                                    |
| I       | 00761 | D     | 01-19-90 | SLBIGO              | 13 5/8", 14", 16", 18 5/8", 20" Coupling gage setting information              |
| I       | 00759 | E     | 1-19-90  | SLBIGO              | 13 5/8", 14", 16", 18 5/8", 20" Pin gage setting information                   |
| A       | 01346 |       | 12-15-88 | SLBIGO              | 14" Stabbing guide housing   |
| A       | 01345 |       | 12-15-88 | SLBIGO              | 14" Stabbing guide insert  |
| I       | 01815 |       | 11-15-89 | SLBIGO              | 16" Coupling gage setting information  |
| I       | 01814 |       | 11-15-89 | SLBIGO              | 16" Pin gage setting dimensions  |
| P       | 02408 | A     | 2-4-92   | SLBIGO              | 16" 72.80 - 92.66# Box thread protector modified for cement lined applications |
| I       | 01677 |       | 10-3-89  | SLBIGO              | 16" 72.80 - 92.66# Casing pin mic-trac taper block offsets                     |
| P       | 02409 | A     | 2-4-92   | SLBIGO              | 16" 72.80 - 92.66# Pin thread protector modified for cement lined applications |
| M       | 02547 |       | 2-5-92   | SLBIGO              | 16" 84# Accessory box: Titanium Beta C Alloy                                   |
| A       | 02580 |       | 3-19-92  | SLBIGO              | 16" 84# Box landing connection geothermal application                          |
| M       | 02407 |       | 9-9-91   | SLBIGO              | 16" 84# Coupling modified for unocal geothermal service                        |
| M       | 06037 |       | 07/12/02 | SLBIGO              | 16" 84# GRADES 95-125 KSI COUPLING   |
| M       | 02406 |       | 9-9-91   | SLBIGO              | 16" 84# Pin connector modified for unocal geothermal service                   |
| A       | 02579 |       | 3-19-92  | SLBIGO              | 16" 84# Pin landing connection geothermal application                          |
| A       | 02496 | A     | 1-23-92  | SLBIGO              | 16" 84# Pressure test/ handling plug modified for geothermal service           |
| A       | 02559 |       | 2-12-92  | SLBIGO              | 16" 84# Safety plug modified for geothermal service                            |
| M       | 01487 |       | 3-14-89  | SLBIGO              | 16" - 20" Coupling turned forging blank  |
| M       | 01903 |       | 1-17-90  | SLBIGO              | 20" Coupling special O.D. bevel  |

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| I       | 01820  |       | 11-20-89 | SLBIGO              | 20" 131.33 - 166-40# Casing pin mic-trac taper block offsets                 |
| M       | 01369  | C     | 1-19-90  | SLBIGO              | 20" - 24 1/2" Pin connector all weights grades Q-125 and below               |
| M       | 01479  |       | 3-7-89   | SLBIGO              | 24" Coupling turned forging blank  |
| M       | 01462  | A     | 3-7-89   | SLBIGO              | 24 1/2" Coupling turned forging blank  |
| A       | 01081  | A     | 8-22-88  | SLBIGO              | Make-up stencil  |
| G       | 01646  | A     | 11-16-89 | SLBIGO              | Pin frame style setting standard   |
| A       | 03016  |       | 11-2-93  | SLBOSS              | 4 1/2" Coupling sales sample / API buttress                                  |
| M       | 06746  |       | 0405/05  | SLBOSS              | 7 5/8" PIN ON 7 3/4" PIPE - PULLOUT DETAIL FOR THREADING                     |
| A       | 04285  | A     | 9-12-97  | SLBOSS              | 7 5/8" 26.40 - 45.30# Accessory box machining detail                         |
| A       | 04285M |       | 07/18/00 | SLBOSS              | 7 5/8" 26.40 - 45.30# Accessory box machining detail (metric)                |
| A       | 04288  |       | 6-17-97  | SLBOSS              | 7 5/8" 26.40 - 45.30# Box make-up positioner                                 |
| M       | 04284  |       | 6-17-97  | SLBOSS              | 7 5/8" 26.40 - 45.30# Coupling connector                                     |
| M       | 04284M |       | 07/18/00 | SLBOSS              | 7 5/8" 26.40 - 45.30# Coupling connector (metric)                            |
| P       | 04286  | C     | 04/12/16 | SLBOSS              | 7 5/8" - 7 3/4" ACCESSORY BLANKING DIMENSIONS                                |
| P       | 04286M | B     | 04/12/16 | SLBOSS              | 7 5/8" - 7 3/4" ACCESSORY BLANKING DIMENSIONS (METRIC)                       |
| M       | 04283  |       | 6-17-97  | SLBOSS              | 7 5/8" 26.40 - 45.30# Pin connector  |
| M       | 04283M |       | 07/18/00 | SLBOSS              | 7 5/8" 26.40 - 45.30# Pin connector (metric)                                 |
| A       | 04287  |       | 6-17-97  | SLBOSS              | 7 5/8" 26.40 - 45.30# Pin make-up positioner                                 |
| M       | 05010  |       | 02/22/99 | SLBOSS              | 7 5/8" 33.70# SPEC. CLEAR. (8.028" CPLG OD)& O.D. BEVEL (CHEVRON U.K.)       |
| M       | 04995  |       | 01/27/99 | SLBOSS              | 7 5/8" 33.70# SPEC. CLEAR. (8.200" CPLG OD)& O.D. BEVEL (CHEVRON U.K.)       |
| M       | 04342  | B     | 04/12/16 | SLBOSS              | 7 5/8" - 10 3/4" SPECIAL CLEARANCE & O.D. BEVEL                              |
| G       | 02875  | E     | 6/29/00  | SLBOSS              | 7 5/8" - 11 7/8 External taper blocks for gagemaker setbar setting standard  |
| G       | 02472  | C     | 6/29/00  | SLBOSS              | 7 5/8" - 11 7/8" Frame style pin setting standard                            |
| G       | 02876  | E     | 06/29/00 | SLBOSS              | 7 5/8" - 11 7/8" Internal taper blocks for gagemaker setbar setting standard |
| G       | 04531  | A     | 12/23/02 | SLBOSS              | 7 5/8" - 24 1/2" Box setting standard- EDM frame style                       |
| G       | 04530  | A     | 12/23/02 | SLBOSS              | 7 5/8" - 24 1/2" Pin setting standard- EDM frame style                       |
| A       | 03370  |       | 3-15-95  | SLBOSS              | 8 5/8" Mill make-up plug   |
| A       | 04965  |       | 12/30/98 | SLBOSS              | 8 5/8" 28 - 49# LIFT PLUG  |
| P       | 03367  | A     | 7-21-97  | SLBOSS              | 8 5/8" 28 - 49# Accessory blanking dimensions                                |
| A       | 03366  | A     | 9-12-97  | SLBOSS              | 8 5/8" 28 - 49# Accessory box machining detail                               |
| A       | 03369  |       | 3-15-95  | SLBOSS              | 8 5/8" 28 - 49# Box make-up positioner                                       |
| M       | 03365  |       | 3-15-95  | SLBOSS              | 8 5/8" 28 - 49# Coupling connector   |
| M       | 03364  |       | 3-15-95  | SLBOSS              | 8 5/8" 28 - 49# Pin connector  |
| A       | 03368  |       | 3-15-95  | SLBOSS              | 8 5/8" 28 - 49# Pin make-up positioner                                       |
| A       | 06751  |       | 05/18/05 | SLBOSS              | 8 5/8" 36# BOSS PIN X 4 1/2" IF BOX SAVER SUB                                |
| A       | 03375  |       | 3-29-95  | SLBOSS              | 9 3/4" 59.20# Accessory box machining detail                                 |
| A       | 04546  |       | 12-12-97 | SLBOSS              | 9 3/4" 59.20# Box make-up positioner   |
| M       | 02797  | B     | 3-20-95  | SLBOSS              | 9 3/4" 59.20# Casing coupling connector                                      |
| M       | 02796  | C     | 2-24-95  | SLBOSS              | 9 3/4" 59.20# Casing pin connector   |

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| P       | 03381  | A     | 7-21-97  | SLBOSS              | 9 3/4" 59.20# Pin & box accessory blanking dimensions                                      |
| A       | 04545  |       | 12-12-97 | SLBOSS              | 9 3/4" 59.20# Pin make-up positioner   |
| A       | 06995  |       | 03/01/07 | SLBOSS              | 9 5/8" BOX THREAD PROTECTOR SLEEVE   |
| A       | 02882  |       | 3-19-93  | SLBOSS              | 9 5/8" Mill make-up plug   |
| A       | 02882M |       | 08/09/00 | SLBOSS              | 9 5/8" Mill make-up plug (metric)  |
| P       | 02881  | C     | 4-14-98  | SLBOSS              | 9 5/8" Pin & box accessory blanking dimensions   |
| P       | 02881M |       | 7/18/00  | SLBOSS              | 9 5/8" Pin & box accessory blanking dimensions (metric)                                    |
| M       | 07366  |       | 08/20/09 | SLBOSS              | 9 5/8" (10.250 OD) SPECIAL CLEARANCE & OD BEVEL  |
| A       | 02885  | A     | 1-5-98   | SLBOSS              | 9 5/8" 36 - 70.30# Box make-up positioner  |
| M       | 02748  | D     | 4-12-96  | SLBOSS              | 9 5/8" 36 - 70.30# Coupling connector  |
| M       | 02748M |       | 07/18/00 | SLBOSS              | 9 5/8" 36 - 70.30# Coupling connector (metric)   |
| A       | 02884  | A     | 1-5-98   | SLBOSS              | 9 5/8" 36 - 70.30# Pin make-up positioner  |
| M       | 06581  |       | 05/03/04 | SLBOSS              | 9 5/8" 53.50# SPECIAL O.D. BEVEL   |
| A       | 06947  |       | 12/6/06  | SLBOSS              | 9 5/8" 70.30# SL BOSS PIN x 4 1/2" IF BOX SAVER SUB  |
| A       | 02886  | D     | 06/22/07 | SLBOSS              | 9 5/8" on 9 5/8" 36 - 70.3#, 9 3/4" 59.2# & 9 7/8" 62.8 pipe Acc. Box mach detail          |
| A       | 02886M | A     | 06/22/07 | SLBOSS              | 9 5/8" on 9 5/8" 36 - 70.3#, 9 3/4" 59.2# & 9 7/8" 62.8 pipe Acc. Box mach detail (metric) |
| M       | 03123  | B     | 3-28-95  | SLBOSS              | 9 5/8" pin connector on 9 3/4" & 9 7/8" pipe pullout detail                                |
| M       | 03123M |       | 08/08/00 | SLBOSS              | 9 5/8" pin connector on 9 3/4" & 9 7/8" pipe pullout detail (metric)                       |
| M       | 02747  | F     | 4-12-96  | SLBOSS              | 9 5/8" Pin connector on 9 5/8" 36- 70.3#, 9 3/4" 59.2# & 9 7/8" 62.8# pipe                 |
| M       | 02747M |       | 7/18/00  | SLBOSS              | 9 5/8" Pin connector on 9 5/8" 36- 70.3#, 9 3/4" 59.2# & 9 7/8" 62.8# pipe (Metric)        |
| P       | 04538  |       | 12-3-97  | SLBOSS              | 9 7/8" Pin & box accessory blanking dimensions   |
| A       | 04542  |       | 12-3-97  | SLBOSS              | 9 7/8" 62.80# Accessory box machining detail   |
| A       | 04544  |       | 12-12-97 | SLBOSS              | 9 7/8" 62.80# Box make-up positioner   |
| M       | 04441  | A     | 2-2-98   | SLBOSS              | 9 7/8" 62.80# Coupling connector   |
| M       | 04440  | A     | 12-30-97 | SLBOSS              | 9 7/8" 62.80# Pin connector  |
| A       | 04543  |       | 12-2-97  | SLBOSS              | 9 7/8" 62.80# Pin make-up positioner   |
| M       | 03442  |       | 8-17-95  | SLBOSS              | 10.750" casing Special clearance O.D. (11.250")  |
| A       | 03286  |       | 10-11-94 | SLBOSS              | 10 3/4" Mill make-up plug  |
| A       | 03287  | B     | 9-16-98  | SLBOSS              | 10 3/4" 40.50 - 80.80# Accessory box machining detail                                      |
| M       | 02755  | E     | 9-16-98  | SLBOSS              | 10 3/4" 40.50 - 80.80# Casing pin connector  |
| P       | 03288  | C     | 9-16-98  | SLBOSS              | 10 3/4" 40.50 - 80.80# Pin & box accessory blanking dimensions                             |
| M       | 02756  | C     | 9-16-98  | SLBOSS              | 10 3/4" 40.50 - 80.80# Casing coupling connector   |
| A       | 03285  |       | 10-11-94 | SLBOSS              | 10 3/4" 45.50 - 79.20# Box make-up positioner  |
| A       | 03284  |       | 10-10-94 | SLBOSS              | 10 3/4" 45.50 - 79.20# Pin make-up positioner  |
| M       | 05628  |       | 11/21/00 | SLBOSS              | 10 3/4" 65.70# PIN ON 10 3/4" 85.30# PIPE  |
| A       | 03360  |       | 3-8-95   | SLBOSS              | 10 3/4" 91.20# x 9 5/8" 53.50# Crossover coupling  |
| G       | 07214  |       | 07/28/08 | SLBOSS              | 11.315" PIN SET. STD. - EDM FRAME STYLE  |
| G       | 07215  |       | 07/28/08 | SLBOSS              | 11.315" BOX SET. STD. - EDM FRAME STYLE  |
| M       | 07212  | A     | 03/01/16 | SLBOSS              | 11.315" x .308" WALL PIN   |

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|---------|-------|-------|----------|---------------------|---|
| A       | 07213 | A     | 03/01/16 | SLBOSS              | 11.315" x .308" WALL ACCESSORY BOX  |
| P       | 07216 | A     | 03/01/16 | SLBOSS              | 11.315" x .308" WALL, ACCESSORY BLANKING DIMENSIONS                                 |
| A       | 02808 |       | 2-5-93   | SLBOSS              | 11 3/4" Mill make-up plug   |
| P       | 03380 | A     | 7-21-97  | SLBOSS              | 11 3/4" Pin & box accessory blanking dimensions                                     |
| I       | 02809 | A     | 3-12-93  | SLBOSS              | 11 3/4" Pin mic-trac block offsets using HW SL blocks                               |
| M       | 02440 | C     | 3-20-95  | SLBOSS              | 11 3/4" 47 - 71# Coupling connector   |
| A       | 02457 |       | 10-8-91  | SLBOSS              | 11 3/4" 65.# Box make-up positioner   |
| A       | 02456 |       | 10-8-91  | SLBOSS              | 11 3/4" 65.# Pin make-up positioner   |
| A       | 06752 |       | 05/18/05 | SLBOSS              | 11 3/4" 71# BOSS PIN X 4 1/2" IF BOX SAVER SUB                                      |
| A       | 03204 | A     | 3-20-95  | SLBOSS              | 11 3/4" Accessory box machining detail on 11 3/4" 47- 71# & 11 7/8" 71.80# pipe     |
| I       | 02810 |       | 1-9-93   | SLBOSS              | 11 3/4" Box mic-trac block offsets using HW SL blocks                               |
| M       | 02439 | F     | 2-24-95  | SLBOSS              | 11 3/4" Pin connector on 11 3/4" 47-71# & 11 7/8" 71.80# pipe                       |
| M       | 02820 | A     | 2-24-95  | SLBOSS              | 11 3/4" pin connector on 11 7/8" pipe Pullout detail                                |
| A       | 03200 | A     | 3-20-95  | SLBOSS              | 11 7/8" 71.80# Accessory box machining detail                                       |
| A       | 02459 |       | 10-8-91  | SLBOSS              | 11 7/8" 71.80# Box make-up positioner   |
| M       | 02442 | C     | 3-20-95  | SLBOSS              | 11 7/8" 71.80# Coupling connector   |
| P       | 03199 | B     | 7-21-97  | SLBOSS              | 11 7/8" 71.80# Pin & box accessory blanking dimensions                              |
| M       | 02441 | D     | 2-24-95  | SLBOSS              | 11 7/8" 71.80# Pin connector  |
| A       | 02458 |       | 10-8-91  | SLBOSS              | 11 7/8" 71.80# Pin make-up positioner   |
| A       | 02582 |       | 3-19-92  | SLBOSS              | 13 3/8" Mill make-up plug   |
| M       | 04579 |       | 1-8-98   | SLBOSS              | 13 3/8" Special O.D. bevel  |
| M       | 04243 |       | 5-8-97   | SLBOSS              | 13 3/8" Special O.D. bevel for coupling (Chevron)                                   |
| M       | 07157 |       | 02/29/08 | SLBOSS              | 13 3/8" Special O. D. bevel for 14.138" Sp. Cl. O.D. coupling                       |
| P       | 02632 | E     | 7-21-97  | SLBOSS              | 13 3/8" Pin & box accessory blanking dimensions                                     |
| I       | 02652 |       | 7-22-92  | SLBOSS              | 13 3/8" Box mic-trac block offsets using 4 1/2- 13 5/8" SL blocks ( Gulf Engr.)     |
| I       | 02616 | A     | 7-29-92  | SLBOSS              | 13 3/8" Pin mic-trac block offsets using 4 1/2- 13 3/8" SL blocks (Trinidad)        |
| A       | 02521 | D     | 10/05/01 | SLBOSS              | 13 3/8" Accessory box machining detail on 13 3/8" 54.50 - 86# & 13 5/8" 88.20# pipe |
| M       | 02275 | H     | 10/05/01 | SLBOSS              | 13 3/8" Pin connector on 13 3/8" 54.50# - 86# & 13 5/8" 88.20# pipe                 |
| M       | 02522 | C     | 3-28-95  | SLBOSS              | 13 3/8" pin connector on 13 5/8" pipe Pullout detail                                |
| I       | 02482 |       | 10-24-91 | SLBOSS              | 13 3/8" - 20" Casing pin mic-trac block offsets                                     |
| G       | 02584 | D     | 06/29/00 | SLBOSS              | 13 3/8" - 20" External taper blocks for gagemaker setbar setting standard           |
| G       | 02413 | A     | 06/29/00 | SLBOSS              | 13 3/8" - 20" Frame style pin setting standard                                      |
| G       | 02585 | C     | 06/29/00 | SLBOSS              | 13 3/8" - 20" Internal taper blocks for gagemaker setbar setting standard           |
| M       | 02301 | A     | 10/05/01 | SLBOSS              | 13 3/8" 54.50 - 86# Casing box make-up positioner                                   |
| M       | 02276 | F     | 10/05/01 | SLBOSS              | 13 3/8" 54.50 - 86# Casing coupling connector                                       |
| M       | 02302 | A     | 10/05/01 | SLBOSS              | 13 3/8" 54.50 - 86# Casing pin make-up positioner                                   |
| A       | 08978 |       | 08/12/14 | SLBOSS              | 13 3/8" 68# INTERNAL TOOL GUIDE   |
| M       | 04250 |       | 5-17-97  | SLBOSS              | 13 3/8" 72.# Special clearance/ special bevel coupling (Chevron Green Canyon)       |
| P       | 02956 | B     | 7-21-97  | SLBOSS              | 13 5/8" Pin & box accessory blanking dimensions                                     |

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|---------|-------|-------|----------|---------------------|--|
| M       | 04792 | A     | 3-26-99  | SLBOSS              | 13 5/8 88.20# 110 KSI & ABOVE (CONOCO ORDER) SP. CL & O.D. BEVEL         |
| M       | 03973 |       | 8-20-96  | SLBOSS              | 13 5/8" 88.20 Special O.D. bevel (Conoco)                                |
| A       | 03317 | A     | 3-20-95  | SLBOSS              | 13 5/8" 88.20# Accessory box machining detail for grades 110 KSI & above |
| A       | 02955 | B     | 3-20-95  | SLBOSS              | 13 5/8" 88.20# Accessory box machining detail grade 95 KSI & below       |
| A       | 02455 |       | 10-8-91  | SLBOSS              | 13 5/8" 88.20# Box make-up positioner                                    |
| M       | 03310 | A     | 3-20-95  | SLBOSS              | 13 5/8" 88.20# Coupling connector for grades 110 KSI & above             |
| M       | 02392 | D     | 3-20-95  | SLBOSS              | 13 5/8" 88.20# Coupling connector for grades 95 KSI & below              |
| M       | 03309 | A     | 2-24-95  | SLBOSS              | 13 5/8" 88.20# Pin connector for grades 110 KSI & above                  |
| M       | 02393 | D     | 2-24-95  | SLBOSS              | 13 5/8" 88.20# Pin connector for grades 95 KSI & below                   |
| A       | 02454 |       | 10-8-91  | SLBOSS              | 13 5/8" 88.20# Pin make-up positioner                                    |
| M       | 04737 |       | 6-1-98   | SLBOSS              | 13.985" SP. CL. O.D. FOR 13 3/8" CPLG. (CHEVRON GREEN CANYON)            |
| A       | 03443 |       | 8-21-95  | SLBOSS              | 14" Mill make-up plug  |
| P       | 03379 | C     | 04/13/05 | SLBOSS              | 14" Pin & box accessory blanking dimensions                              |
| A       | 02453 |       | 10-8-91  | SLBOSS              | 14" 82.50 - 123# Box make-up positioner                                  |
| M       | 02366 | E     | 01/21/99 | SLBOSS              | 14" 82.50 - 123# Casing coupling connector                               |
| M       | 02365 | F     | 04/13/05 | SLBOSS              | 14" 82.50 - 123# Casing pin connector                                    |
| A       | 02452 |       | 10-8-91  | SLBOSS              | 14" 82.50 - 123.# Pin make-up positioner                                 |
| A       | 03383 | C     | 04/13/05 | SLBOSS              | 14" 82.50 - 123# Accessory box machining detail                          |
| P       | 06218 |       | 12/23/02 | SLBOSS              | 15" 77.50# ACC. BLANKING DIMENSIONS                                      |
| A       | 06217 |       | 12/23/02 | SLBOSS              | 15" 77.50# ACC. BOX DETAIL   |
| M       | 06216 |       | 12/23/02 | SLBOSS              | 15" 77.50# COUPLING  |
| M       | 06215 |       | 12/23/02 | SLBOSS              | 15" 77.50# PIN   |
| M       | 04604 | A     | 7-9-98   | SLBOSS              | 16" BOSS W/ 16.750 CPLG O.D. SP. CL & O.D. BEVEL                         |
| M       | 05779 |       | 05/29/01 | SLBOSS              | 16" BOSS WITH 16.600 CPLG. O.D. - SPECIAL CLEARANCE AND O.D. BEVEL       |
| A       | 02851 |       | 3-9-93   | SLBOSS              | 16" Mill make-up plug  |
| P       | 03181 | D     | 04/19/11 | SLBOSS              | 16" Pin & box accessory blanking dimensions                              |
| M       | 05111 |       | 06/24/99 | SLBOSS              | 16" SPEC. CLEAR O.D. & 20° BEVEL WITH 16.500" CPLG. O.D.                 |
| A       | 03178 | C     | 04/19/11 | SLBOSS              | 16" 65 - 118# Accessory box machining detail                             |
| A       | 02386 |       | 8-27-91  | SLBOSS              | 16" 65 - 118# Pin make-up positioner                                     |
| A       | 02385 |       | 8-27-91  | SLBOSS              | 16" 65 - 118# Box make-up positioner                                     |
| M       | 02348 | E     | 3-20-95  | SLBOSS              | 16" 65 - 118# Casing coupling connector                                  |
| M       | 02347 | F     | 04/19/11 | SLBOSS              | 16" 65 - 118# Casing pin connector                                       |
| M       | 04708 | A     | 5-29-98  | SLBOSS              | 16" 84# - 97# SPECIAL CLEARANCE AND O.D.BEVEL 20° W/ 16.500" CPLG. O.D   |
| A       | 06092 |       | 07/29/02 | SLBOSS              | 16" 84# SPECIAL CLEARANCE O.D. FOR FMC HANGERS ONLY                      |
| M       | 04242 |       | 5-8-97   | SLBOSS              | 16" 84# Special clearance and O.D. bevel (Chevron)                       |
| M       | 02839 |       | 03/03/93 | SLBOSS              | 16" 84# SPECIAL O.D. BEVEL (B.P. ORDER)                                  |
| A       | 07371 |       | 09/10/09 | SLBOSS              | 16" 84# (W/ 16.5" S.C. CPLG.) LIFT PLUG                                  |
| M       | 05113 |       | 06/28/99 | SLBOSS              | 16" 94.50# EXTENDED LENGTH COUPLING                                      |
| M       | 04843 |       | 8-17-95  | SLBOSS              | 18 5/8" casing Special clearance O.D.                                    |

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|---------|-------|-------|----------|---------------------|---|
| A       | 03358 |       | 3-7-95   | SLBOSS              | 18 5/8" Mill make-up plug   |
| P       | 03378 | E     | 07/26/11 | SLBOSS              | 18 5/8" Pin & box accessory blanking dimensions   |
| M       | 07024 |       | 05/15/07 | SLBOSS              | 18 5/8" 87.50# SPECIAL O.D. BEVEL   |
| A       | 02451 |       | 10-8-91  | SLBOSS              | 18 5/8" 87.50 - 136# Box make-up positioner   |
| A       | 02450 |       | 10-8-91  | SLBOSS              | 18 5/8" 87.50 - 136# Pin make-up positioner   |
| A       | 03384 | D     | 07/26/11 | SLBOSS              | 18 5/8" 87.50 - 139# Accessory box machining detail   |
| M       | 02364 | E     | 5-28-98  | SLBOSS              | 18 5/8" 87.50 - 139# Casing coupling connector  |
| M       | 02363 | G     | 07/26/11 | SLBOSS              | 18 5/8" 87.50 - 139# Casing pin connector   |
| M       | 09091 |       | 04/16/15 | SLBOSS              | 18 5/8" MATCHED STRENGTH O.D. (19.750")   |
| A       | 02581 |       | 3-19-92  | SLBOSS              | 20" Mill make-up plug   |
| P       | 03377 | C     | 02/14/06 | SLBOSS              | 20" Pin & box accessory blanking dimensions   |
| A       | 02520 | D     | 02/17/06 | SLBOSS              | 20" 94 - 203# Accessory box machining detail  |
| A       | 02387 | A     | 02/14/06 | SLBOSS              | 20" 94 - 203# Box make-up positioner  |
| M       | 02342 | E     | 02/14/06 | SLBOSS              | 20" 94 - 203# Casing coupling connector   |
| M       | 02341 | E     | 02/14/06 | SLBOSS              | 20" 94 - 203# Casing pin connector  |
| A       | 02388 | A     | 02/14/06 | SLBOSS              | 20" 94 - 203# Pin make-up positioner  |
| A       | 05432 |       | 04/26/00 | SLBOSS              | 20" 131# EXXON CONTROLLED PRESSURE RELIEF JOINT   |
| M       | 06927 |       | 10/13/06 | SLBOSS              | 20" 133# SL BOSS BOX x 18 5/8" 101# BUTTRESS PIN CROSSOVER SUB                              |
| M       | 06928 |       | 10/13/06 | SLBOSS              | 20" 133# SL BOSS PIN x 18 5/8" 101# BUTTRESS BOX CROSSOVER SUB                              |
| M       | 04730 |       | 11-07-95 | SLBOSS              | 20" 133# X-80 BOSS SPECIAL O.D. BEVEL (PHILLIPS)  |
| A       | 09310 |       | 11/22/16 | SLBOSS              | 20" 133# HANDLING PLUG  |
| M       | 06255 |       | 02/14/03 | SLBOSS              | 20" 169# K-55 SPECIAL BEVEL FOR BHP   |
| M       | 05965 |       | 04/10/02 | SLBOSS              | 20" 169# SPECIAL O.D. BEVEL (EXXON ORDER)   |
| M       | 05902 |       | 02/05/92 | SLBOSS              | 20" 169# SPECIAL PIN I.D. BEVEL FOR USE WITH 133# BURST DISK COUPLING                       |
| P       | 04532 |       | 12-2-97  | SLBOSS              | 24" Pin & box accessory blanking dimensions   |
| A       | 04533 |       | 12-2-97  | SLBOSS              | 24" 130 - 203# Accessory box machining detail   |
| A       | 04535 |       | 12-2-97  | SLBOSS              | 24" 130 - 203# Box make-up positioner   |
| M       | 04456 | A     | 12-12-97 | SLBOSS              | 24" 130 - 203# Coupling connector   |
| M       | 04455 | A     | 12-12-97 | SLBOSS              | 24" 130 - 203# Pin connector  |
| A       | 04534 |       | 12-2-97  | SLBOSS              | 24" 130 - 203# Pin make-up positioner   |
| P       | 04516 |       | 11-20-97 | SLBOSS              | 24 1/2" Pin & box accessory blanking dimensions   |
| A       | 04517 | A     | 1-15-98  | SLBOSS              | 24 1/2" 140# Accessory box machining detail   |
| A       | 04522 | A     | 1-15-98  | SLBOSS              | 24 1/2" 140# Box make-up positioner   |
| M       | 04460 | A     | 12-8-97  | SLBOSS              | 24 1/2" 140# Coupling connector   |
| M       | 04459 |       | 10-3-97  | SLBOSS              | 24 1/2" 140# Pin connector  |
| A       | 04521 | A     | 1-15-98  | SLBOSS              | 24 1/2" 140# Pin make-up positioner   |
| G       | 02473 | A     | 12-9-93  | SLBOSS              | External taper blocks for gagemaker mic-trac boss connection- 1.250 in/ft taper             |
| A       | 02305 | G     | 12-8-97  | SLBOSS              | Make-up positioner assembly & scribe line location  |
| I       | 06753 | B     | 03/02/07 | SLBOSS              | PIN GAGE SET. DIMS. FOR ROD STYLE STANDARDS FOR SL BOSS SAVER SUB & THREAD PROTECTOR SLEEVE |

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|---------|--------|-------|----------|---------------------|---|
| M       | 03182  | E     | 03/03/00 | SLBOSS              | Pin I.D. chamfer for special drift casing                                     |
| M       | 03182M |       | 07/18/00 | SLBOSS              | Pin I.D. chamfer for special drift casing (metric)                            |
| G       | 05763  | A     | 06/18/01 | SLBOSS, SLHC, SLSF  | MAKE UP LOSS MEASURING PIECE  |
| A       | 05782  |       | 05/31/01 | SLBOSS, SLSF        | 13 5/8" 88.20# BOSS BOX X 13 5/8" 88.20# SEAL-LOCK SF PIN CROSSOVER           |
| M       | 05790  |       | 07/09/01 | SLBOSS, SLSF        | 13 5/8" 88.20# BOSS PIN X 13 5/8" 88.20# SEAL-LOCK SF PIN CROSSOVER           |
| A       | 05223  | C     | 02/14/02 | SLBOSS-S (TIMED)    | (7 5/8" - 13 3/8") WORKING MAKE-UP POSITIONER ASSEMBLY & SCRIBE LINE LOCATION |
| A       | 05222  | D     | 11/05/02 | SLBOSS-S (TIMED)    | 9 5/8" BOX MASTER MAKE-UP POSITIONER  |
| A       | 05221  | D     | 11/05/02 | SLBOSS-S (TIMED)    | 9 5/8" PIN MASTER MAKE-UP POSITIONER  |
| A       | 05925  | B     | 07/25/02 | SLBOSS-S (TIMED)    | 9 5/8" WORKING MAKE-UP POSITIONER - BOX                                       |
| A       | 05924  | B     | 07/25/02 | SLBOSS-S (TIMED)    | 9 5/8" WORKING MAKE-UP POSITIONER - PIN                                       |
| A       | 05548  | D     | 11/05/02 | SLBOSS-S (TIMED)    | 13 3/8" BOX MASTER MAKE-UP POSITIONER   |
| A       | 05549  | D     | 11/05/02 | SLBOSS-S (TIMED)    | 13 3/8" PIN MASTER MAKE-UP POSITIONER   |
| A       | 05923  | B     | 07/25/02 | SLBOSS-S (TIMED)    | 13 3/8" WORKING MAKE-UP POSITIONER - BOX                                      |
| A       | 05922  | B     | 07/25/02 | SLBOSS-S (TIMED)    | 13 3/8" WORKING MAKE-UP POSITIONER - PIN                                      |
| A       | 05917  |       | 02/14/02 | SLBOSS-S (TIMED)    | MASTER MAKE-UP POSITIONER ASSEMBLY & SCRIBE LINE LOCATION                     |
| A       | 05646  |       | 12/27/00 | SLBOSS-S (TIMED)    | Turning fixture for Schlumberger  |
| M       | 06150  | B     | 04/08/03 | SLDC                | 20" X 5/8" WALL BOX   |
| G       | 06233  | A     | 02/04/03 | SLDC                | 20" X 5/8" WALL BOX SET. STD. - EDM FRAME STYLE                               |
| M       | 06151  | B     | 04/08/03 | SLDC                | 20" X 5/8" WALL PIN   |
| I       | 06152  | A     | 02/04/03 | SLDC                | 20" X 5/8" WALL PIN & BOX GAGE SETTING DIM. FOR ROD STYLE STANDARDS           |
| G       | 06232  | A     | 02/04/03 | SLDC                | 20" X 5/8" WALL PIN SET. STD. - EDM FRAME STYLE                               |
| A       | 07311  |       | 04/17/09 | SLDC                | 20" X 5/8" WALL HANDLING PLUG   |
| M       | 06223  | A     | 04/08/03 | SLDC                | 24" X 3/4" WALL BOX   |
| M       | 06222  | A     | 04/08/03 | SLDC                | 24" X 3/4" WALL PIN   |
| I       | 06224  |       | 12/27/02 | SLDC                | 24" X 3/4" WALL PIN & BOX GAGE SETTING DIMENSIONS FOR ROD STYLE STANDARDS     |
| M       | 06220  | A     | 04/08/03 | SLDC                | 24" X 1" WALL BOX   |
| M       | 06219  | A     | 04/08/03 | SLDC                | 24" X 1" WALL PIN   |
| I       | 06221  |       | 12/26/02 | SLDC                | 24" X 1" WALL PIN & BOX GAGE SETTING DIMENSIONS FOR ROD STYLE STANDARDS       |
| M       | 06112  | A     | 04/08/03 | SLDC                | 30" X 1" WALL BOX   |
| M       | 06113  | A     | 04/08/03 | SLDC                | 30" X 1" WALL PIN   |
| M       | 06121  |       | 09/17/02 | SLDC                | 30" x 1" WALL PIN & BOX GAGE SETTING DIMENSIONS FOR ROD STYLE STANDARDS       |
| M       | 07578  |       | 11/10/10 | SLDC                | 36" X 1" WALL PIN   |
| M       | 07579  |       | 11/10/10 | SLDC                | 36" X 1" WALL BOX   |
| M       | 09800  | A     | 07/23/19 | SLF                 | 2.875" - 7.000" SUPPLEMENTAL PIN REQUIREMENTS                                 |
| M       | 09803  | A     | 08/12/19 | SLF                 | 2.875" - 7.000" SUPPLEMENTAL BOX REQUIREMENTS                                 |
| G       | 04443  |       | 9-29-97  | SLF                 | 2 7/8" 6.40# Box setting standard   |
| A       | 03230  | D     | 02/18/13 | SLF                 | 2 7/8" 6.40# HANDLING plug  |
| I       | 03214  | A     | 07/19/07 | SLF                 | 2 7/8" 6.40# Pin & box gage setting dimensions for rod style standards        |
| G       | 04442  |       | 9-29-97  | SLF                 | 2 7/8" 6.40# Pin setting standard   |



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|---------|-------|-------|----------|---------------------|--|
| M       | 03210 | D     | 10/21/15 | SLF                 | 2 7/8" 6.40# BOX   |
| M       | 03209 | B     | 03/23/15 | SLF                 | 2 7/8" 6.40# CASING PIN CONNECTOR  |
| M       | 07044 | A     | 01/22/15 | SLF                 | 2 7/8" 7.80# PIN   |
| M       | 07045 | B     | 10/20/15 | SLF                 | 2 7/8" 7.80# BOX   |
| A       | 07046 | A     | 02/18/13 | SLF                 | 2 7/8" 7.80# HANDLING PLUG   |
| G       | 07047 |       | 07/16/07 | SLF                 | 2 7/8" 7.80# PIN SETTING STANDARD  |
| G       | 07048 |       | 07/16/07 | SLF                 | 2 7/8" 7.80# BOX SETTING STANDARD  |
| P       | 03245 | D     | 05/04/11 | SLF                 | 2 7/8" - 4" Accessory blanking dimensions  |
| I       | 03229 | J     | 05/04/11 | SLF                 | 2 7/8" - 4 1/2" Pin & box shoulder depth & pin relief taper diameter measurement |
| I       | 01500 | C     | 07/06/10 | SLF                 | 3 1/2" Pin & box gage setting dimensions for rod style standards                 |
| A       | 07674 | A     | 02/23/11 | SLF                 | 3 1/2" 9.20# LIFT CAP  |
| M       | 01482 | E     | 10/22/15 | SLF                 | 3 1/2" 9.20# - 10.20# BOX  |
| M       | 01481 | D     | 03/30/15 | SLF                 | 3 1/2" 9.20# PIN ON 9.20 - 10.20# Tubing   |
| G       | 04124 | A     | 02/05/09 | SLF                 | 3 1/2" 9.20# - 10.20# Box setting standard                                       |
| A       | 03144 | E     | 02/18/13 | SLF                 | 3 1/2" 9.20# - 10.20# HANDLING plug  |
| G       | 04123 | A     | 02/05/09 | SLF                 | 3 1/2" 9.20# - 10.20# Pin setting standard                                       |
| M       | 07487 | A     | 03/23/15 | SLF                 | 3 1/2" 12.70# PIN  |
| M       | 07488 | B     | 10/20/15 | SLF                 | 3 1/2" 12.70# BOX  |
| A       | 07489 | A     | 02/18/13 | SLF                 | 3 1/2" 12.70# HANDLING PLUG  |
| G       | 07490 |       | 07/06/10 | SLF                 | 3 1/2" 12.70# PIN SETTING STD.   |
| G       | 07491 |       | 07/06/10 | SLF                 | 3 1/2" 12.70# BOX SETTING STD.   |
| M       | 07821 |       | 08/11/11 | SLF                 | 3.669" 13.79# PIN  |
| M       | 07822 | A     | 10/26/15 | SLF                 | 3.669" 13.79# BOX  |
| M       | 07823 |       | 08/11/11 | SLF                 | 3.669" 13.79# PIN SWAGING  |
| A       | 07824 |       | 08/11/11 | SLF                 | 3.669" 13.79# LIFT PLUG  |
| G       | 07825 |       | 08/11/11 | SLF                 | 3.669" 13.79# PIN FLAT SETTING STANDARD  |
| G       | 07826 |       | 08/11/11 | SLF                 | 3.669" 13.79# BOX FLAT SETTING STANDARD  |
| G       | 00981 |       | 5-26-88  | SLF                 | 4" 9.50# Box setting standard for J, L & N grades                                |
| A       | 04330 | C     | 02/18/13 | SLF                 | 4" 9.50# HANDLING plug   |
| G       | 00969 | B     | 06/15/12 | SLF                 | 4" 9.50# Pin setting standard for all grades                                     |
| M       | 00785 | C     | 10/20/15 | SLF                 | 4" 9.50# BOX   |
| M       | 00784 | B     | 04/20/15 | SLF                 | 4" 9.50# PIN   |
| I       | 00956 | B     | 05/04/11 | SLF                 | 4" 9.50 - 13.20# Pin & box gage setting dimensions for rod style standards       |
| G       | 01144 |       | 8-19-88  | SLF                 | 4" 11.# Box setting standard for J, L & N grades                                 |
| A       | 04331 | C     | 02/18/13 | SLF                 | 4" 11.# HANDLING plug  |
| G       | 01143 |       | 8-19-88  | SLF                 | 4" 11.# Pin setting standard for all grades                                      |
| M       | 01061 | C     | 10/20/15 | SLF                 | 4" 11.00# BOX  |
| M       | 01060 | B     | 04/20/15 | SLF                 | 4" 11.# PIN  |
| A       | 04333 | D     | 02/18/13 | SLF                 | 4" 11.60# - 13.20# HANDLING plug   |

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|---------|-------|-------|-----------|---------------------|---|
| M       | 01054 | D     | 10/22/15  | SLF                 | 4" 11.60# - 13.20# BOX  |
| M       | 01053 | D     | 03/30/15  | SLF                 | 4" 11.60# - 13.20# Casing pin connector                                       |
| G       | 07220 | A     | 05/04/11  | SLF                 | 4" 11.60# - 13.20# PIN FLAT SETTING STANDARD                                  |
| G       | 07221 | A     | 05/04/11  | SLF                 | 4" 11.60# - 13.20# BOX FLAT SETTING STANDARD                                  |
| I       | 00959 | C     | 8-12-97   | SLF                 | 4 1/2" Pin & box gage setting dimensions for rod style standards              |
| M       | 01077 | D     | 10/22/15  | SLF                 | 4 1/2" 10.50# BOX   |
| M       | 01076 | C     | 04/20/15  | SLF                 | 4 1/2" 10.50# PIN   |
| A       | 04332 | C     | 02/18/13  | SLF                 | 4 1/2" 10.50# HANDLING plug   |
| M       | 07064 | A     | 04/20/15  | SLF                 | 4 1/4" 11# PIN  |
| M       | 07065 | B     | 10/22/15  | SLF                 | 4 1/4" 11# BOX  |
| M       | 07066 |       | 08/10/07  | SLF                 | 4 1/4" 11# PIN SWAGING  |
| P       | 07067 |       | 08/10/07  | SLF                 | 4 1/4" 11# ACC. BLANK. DIM.   |
| G       | 07068 |       | 08/10/07  | SLF                 | 4 1/4" 11# PIN SET. STD. ALL GRADES   |
| G       | 07069 |       | 08/10/07  | SLF                 | 4 1/4" 11# BOX SET. STD. FOR J, L & N GRADES                                  |
| A       | 07070 | A     | 02/18/13  | SLF                 | 4 1/4" 11# HANDLING PLUG  |
| I       | 07071 |       | 08/10/07  | SLF                 | 4 1/4" 11# PIN & BOX GAGE SET. DIM. FOR ROD STYLE STDS.                       |
| I       | 07072 |       | 08/10/07  | SLF                 | 4 1/4" 11# PIN & BOX SHOULDER DEPTH, PIN RELIEF TAPER DIA., GROOVE DEPTH MEA. |
| A       | 01872 | D     | 02/18//13 | SLF                 | 4 1/2"- 11.6# HANDLING plug   |
| G       | 01017 | A     | 12-20-89  | SLF                 | 4 1/2" 11.60# Box setting standard for J, L & N grades                        |
| P       | 01870 |       | 1-2-90    | SLF                 | 4 1/2" 11.60# Box steel thread protector                                      |
| M       | 00941 | D     | 10/22/15  | SLF                 | 4 1/2" 11.60# BOX   |
| M       | 00940 | C     | 04/20/15  | SLF                 | 4 1/2" 11.60# Casing pin connector  |
| G       | 01020 | A     | 12-19-89  | SLF                 | 4 1/2" 11.60# Pin setting standard for all grades                             |
| P       | 01871 |       | 1-2-90    | SLF                 | 4 1/2" 11.60# Pin steel thread protector                                      |
| M       | 04130 | C     | 10/22/15  | SLF                 | 4 1/2" 12.60# BOX   |
| G       | 04133 |       | 2-3-97    | SLF                 | 4 1/2" 12.60# Box setting standard  |
| A       | 04131 | D     | 02/18/13  | SLF                 | 4 1/2" 12.60# HANDLING plug   |
| M       | 04129 | B     | 04/20/15  | SLF                 | 4 1/2" 12.60# PIN   |
| G       | 04132 | A     | 04/10/06  | SLF                 | 4 1/2" 12.60# Pin setting standard  |
| A       | 08190 |       | 09/05/13  | SLF                 | 4 1/2" 12.60# SPECIAL HANDLING PLUG FOR BP                                    |
| G       | 04350 |       | 8-12-97   | SLF                 | 4 1/2" 13.50# Box setting standard  |
| M       | 04348 | B     | 10/22/15  | SLF                 | 4 1/2" 13.50# BOX   |
| M       | 04347 | A     | 04/20/15  | SLF                 | 4 1/2" 13.50# PIN   |
| A       | 04351 | C     | 02/18/13  | SLF                 | 4 1/2" 13.50# HANDLING plug   |
| G       | 04349 |       | 8-12-97   | SLF                 | 4 1/2" 13.50# Pin setting standard for all grades                             |
| M       | 05651 | C     | 10/21/15  | SLF                 | 4 1/2" 15.10# BOX   |
| A       | 05654 | C     | 02/18/13  | SLF                 | 4 1/2" 15.10# HANDLING PLUG   |
| M       | 05650 | B     | 03/23/15  | SLF                 | 4 1/2" 15.10# PIN   |
| P       | 07996 |       | 06/13/12  | SLF                 | 4 1/2" 15.10# W/SPECIAL BORE ACC. BLANK. DIMS                                 |

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|---------|-------|-------|----------|---------------------|--|
| G       | 04355 |       | 8-12-97  | SLF                 | 4 1/2" 24.60# Box setting standard   |
| M       | 04353 | B     | 10/21/15 | SLF                 | 4 1/2" 24.60# BOX  |
| M       | 04352 | B     | 03/23/15 | SLF                 | 4 1/2" 24.60# Casing pin connector   |
| A       | 04356 | C     | 02/18/13 | SLF                 | 4 1/2" 24.60# HANDLING plug  |
| G       | 04354 |       | 8-12-97  | SLF                 | 4 1/2" 24.60# Pin setting standard for all grades                            |
| P       | 03246 | E     | 10/06/09 | SLF                 | 4 1/2" - 6 5/8" Accessory blanking dimensions                                |
| I       | 00960 | C     | 10/06/09 | SLF                 | 5" Pin & box gage setting dimensions for rod style standards                 |
| G       | 04358 |       | 8-12-97  | SLF                 | 5" 15.# Box setting standard   |
| M       | 01058 | B     | 10/26/15 | SLF                 | 5" 15# BOX   |
| M       | 01057 | A     | 04/20/15 | SLF                 | 5" 15.00# PIN  |
| A       | 04359 | C     | 02/18/13 | SLF                 | 5" 15.# HANDLING plug  |
| G       | 04357 |       | 8-12-97  | SLF                 | 5" 15.# Pin setting standard for all grades                                  |
| G       | 00958 | A     | 5-9-97   | SLF                 | 5" 18.# Box setting standard   |
| M       | 00695 | H     | 10/22/15 | SLF                 | 5" 18# BOX   |
| M       | 00694 | G     | 03/23/15 | SLF                 | 5" 18.# Casing pin connector   |
| I       | 02764 |       | 12-9-92  | SLF                 | 5" 18.# Casing pin mic-trac block offsets                                    |
| A       | 01044 | D     | 02/18/13 | SLF                 | 5" 18.# HANDLING plug  |
| G       | 00957 | A     | 5-9-97   | SLF                 | 5" 18.# Pin setting standard for all grades                                  |
| I       | 02550 |       | 2-6-92   | SLF                 | 5" 18.00# Casing box mic-trac block offsets and riser block settings         |
| I       | 02763 | A     | 1-14-93  | SLF                 | 5" 18.00# Casing box mic-trac block offsets and riser block settings         |
| I       | 02549 |       | 2-6-92   | SLF                 | 5" 18.00# Casing pin mic-trac block offsets                                  |
| M       | 07387 | A     | 03/24/15 | SLF                 | 5" 21.40# Casing pin connector   |
| M       | 07388 | B     | 10/22/15 | SLF                 | 5" 21.40# BOX  |
| A       | 07389 | A     | 02/18/13 | SLF                 | 5" 21.40# HANDLING plug  |
| M       | 04361 | D     | 10/21/15 | SLF                 | 5" 23.20# BOX  |
| G       | 04363 |       | 8-12-97  | SLF                 | 5" 23.20# Box setting standard   |
| A       | 04364 | C     | 02/18/13 | SLF                 | 5" 23.20# HANDLING plug  |
| M       | 04360 | B     | 03/24/15 | SLF                 | 5" 23.20# Pin connector  |
| G       | 04362 |       | 8-12-97  | SLF                 | 5" 23.20# Pin setting standard for all grades                                |
| I       | 03193 | E     | 10/06/09 | SLF                 | 5" - 5 1/2" Pin & box shoulder depth & pin relief taper diameter measurement |
| I       | 03195 | B     | 8-12-97  | SLF                 | 5 1/2" Pin & box gage setting dimensions for rod style standards             |
| G       | 04368 |       | 8-12-97  | SLF                 | 5 1/2" 15.50# Box setting standard   |
| M       | 04366 | C     | 10/21/15 | SLF                 | 5 1/2" 15.50# BOX  |
| M       | 04365 | B     | 04/20/15 | SLF                 | 5 1/2" 15.50# PIN  |
| A       | 04369 | C     | 02/18/13 | SLF                 | 5 1/2" 15.50# HANDLING plug  |
| G       | 04367 |       | 8-12-97  | SLF                 | 5 1/2" 15.50# Pin setting standard for all grades                            |
| G       | 02958 | A     | 8-3-98   | SLF                 | 5 1/2" 17.# Box setting standard for J, L & N grades                         |
| M       | 02594 | F     | 10/21/15 | SLF                 | 5 1/2" 17# BOX   |
| M       | 02593 | E     | 02/02/15 | SLF                 | 5 1/2" 17.# Casing pin connector   |

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| A       | 02600 | D     | 02/18/13 | SLF                 | 5 1/2" 17.# HANDLING plug  |
| G       | 02957 |       | 7-23-93  | SLF                 | 5 1/2" 17.# Pin setting standard for all grades                                |
| I       | 02596 |       | 4-3-92   | SLF                 | 5 1/2" 17# Box mic-trac block offsets and riser block settings                 |
| I       | 02595 |       | 4-3-92   | SLF                 | 5 1/2" 17# Pin mic-trac taper block offsets                                    |
| G       | 01016 | A     | 8-3-98   | SLF                 | 5 1/2" 20# Box setting standard for J, L & N grades                            |
| M       | 00810 | G     | 10/21/15 | SLF                 | 5 1/2" 20# BOX   |
| M       | 00809 | G     | 03/20/15 | SLF                 | 5 1/2" 20# Casing pin connector  |
| A       | 01363 | D     | 02/18/13 | SLF                 | 5 1/2" 20# HANDLING plug   |
| G       | 01021 |       | 6-13-88  | SLF                 | 5 1/2" 20# Pin setting standard for all grades                                 |
| I       | 02553 |       | 2-6-92   | SLF                 | 5 1/2" 20# Casing box mic-trac block offsets and riser block settings          |
| I       | 02759 |       | 12-2-92  | SLF                 | 5 1/2" 20# Casing box mic-trac block offsets and riser block settings          |
| I       | 02552 |       | 2-6-92   | SLF                 | 5 1/2" 20# Casing pin mic-trac block offsets                                   |
| I       | 02760 |       | 12-2-92  | SLF                 | 5 1/2" 20# Casing pin mic-trac block offsets                                   |
| M       | 00855 | E     | 10/21/15 | SLF                 | 5 1/2" 23# BOX   |
| I       | 02787 |       | 1-17-93  | SLF                 | 5 1/2" 23# Casing box mic-trac block offsets                                   |
| M       | 00854 | E     | 03/24/15 | SLF                 | 5 1/2" 23# Casing pin connector  |
| I       | 02786 |       | 1-17-93  | SLF                 | 5 1/2" 23# Casing pin mic-trac block offsets                                   |
| A       | 02789 | D     | 02/18/13 | SLF                 | 5 1/2" 23# HANDLING plug   |
| M       | 03187 | E     | 11/16/15 | SLF                 | 5 1/2" 26.00# BOX  |
| M       | 03186 | D     | 04/20/15 | SLF                 | 5 1/2" 26.00# PIN  |
| A       | 03207 | E     | 02/18/13 | SLF                 | 5 1/2" 26.00# HANDLING plug  |
| I       | 03254 | B     | 04/04/07 | SLF                 | 6 5/8" Pin & box gage setting dimensions for rod style standards               |
| G       | 04373 |       | 8-12-97  | SLF                 | 6 5/8" 28.00# Box setting standard   |
| M       | 04371 | D     | 11/16/15 | SLF                 | 6 5/8" 28.00# BOX  |
| M       | 04370 | C     | 04/20/15 | SLF                 | 6 5/8" 28.00# PIN  |
| A       | 04374 | C     | 02/18/13 | SLF                 | 6 5/8" 28.00# HANDLING plug  |
| G       | 04372 |       | 8-12-97  | SLF                 | 6 5/8" 28.00# Pin setting standard for all grades                              |
| M       | 07011 | B     | 11/16/15 | SLF                 | 6 5/8" 32.00# BOX  |
| A       | 07012 | A     | 02/18/13 | SLF                 | 6 5/8" 32.00# HANDLING PLUG  |
| M       | 07010 | A     | 03/24/15 | SLF                 | 6 5/8" 32.00# PIN  |
| M       | 03251 | C     | 12/01/15 | SLF                 | 6 5/8" 36.70# BOX  |
| M       | 03250 | B     | 03/24/15 | SLF                 | 6 5/8" 36.70# Casing pin connector   |
| A       | 04337 | C     | 02/18/13 | SLF                 | 6 5/8" 36.70# HANDLING plug  |
| I       | 03253 | F     | 04/07/07 | SLF                 | 6 5/8" - 7" Pin & box shoulder depth, pin relief taper dia., groove depth mea. |
| I       | 03430 | B     | 10-1-97  | SLF                 | 7" Pin & box gage setting dimensions for rod style standards                   |
| M       | 01834 | E     | 11/16/15 | SLF                 | 7" 23.00# BOX  |
| A       | 04334 | C     | 02/18/13 | SLF                 | 7" 23.00# HANDLING plug  |
| M       | 01833 | E     | 03/24/15 | SLF                 | 7" 23.00# PIN  |
| M       | 05975 | B     | 11/16/15 | SLF                 | 7" 26.00# BOX  |

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| A       | 05976 | A     | 02/18/13 | SLF                 | 7" 26.00# HANDLING PLUG   |
| M       | 05974 | A     | 04/20/15 | SLF                 | 7" 26.00# PIN   |
| M       | 01779 | E     | 11/16/15 | SLF                 | 7" 29.00# BOX   |
| M       | 01778 | D     | 04/20/15 | SLF                 | 7" 29.00# PIN   |
| A       | 04335 | C     | 02/18/13 | SLF                 | 7" 29.00# HANDLING plug   |
| M       | 02384 | E     | 11/16/15 | SLF                 | 7" 32.00# BOX   |
| M       | 02383 | F     | 04/20/15 | SLF                 | 7" 32.00# PIN   |
| A       | 04336 | E     | 02/18/13 | SLF                 | 7" 32.00# HANDLING plug   |
| G       | 04378 |       | 8-12-97  | SLF                 | 7" 35.00# Box setting standard  |
| M       | 04376 | D     | 11/16/15 | SLF                 | 7" 35.00# BOX   |
| M       | 04375 | C     | 03/24/15 | SLF                 | 7" 35.00# CASING PIN CONNECTOR  |
| A       | 04379 | D     | 02/18/13 | SLF                 | 7" 35.00# Handling plug   |
| G       | 04377 |       | 8-12-97  | SLF                 | 7" 35.00# Pin setting standard for all grades                           |
| G       | 04458 |       | 10-3-97  | SLF                 | 7" 38.# Box setting standard  |
| M       | 04453 | A     | 12/01/15 | SLF                 | 7" 38# BOX  |
| M       | 04452 | A     | 03/24/15 | SLF                 | 7" 38.# Casing pin connector  |
| A       | 04454 | D     | 02/18/13 | SLF                 | 7" 38.# HANDLING plug   |
| G       | 04471 | A     | 01/09/01 | SLF                 | 7" 38.# Pin setting standard- EDM frame style                           |
| G       | 04457 |       | 10-3-97  | SLF                 | 7" 38.# Pin setting standard for all grades                             |
| G       | 04383 |       | 8-12-97  | SLF                 | 7" 49.50# Box setting standard  |
| M       | 04381 | B     | 11/16/15 | SLF                 | 7" 49.50# BOX   |
| M       | 04380 | A     | 03/24/15 | SLF                 | 7" 49.50# CASING PIN CONNECTOR  |
| A       | 04384 | C     | 02/18/13 | SLF                 | 7" 49.50# HANDLING plug   |
| G       | 04382 |       | 8-12-97  | SLF                 | 7" 49.50# Pin setting standard for all grades                           |
| P       | 03247 | I     | 05/09/16 | SLF                 | 7" - 8 5/8" Accessory blanking dimensions                               |
| M       | 09801 | A     | 07/23/19 | SLF                 | 7.625" - 11.875" SUPPLEMENTAL PIN REQUIREMENTS                          |
| M       | 09804 | A     | 08/12/19 | SLF                 | 7.625" - 11.875" SUPPLEMENTAL BOX REQUIREMENTS                          |
| I       | 03300 | D     | 09/29/05 | SLF                 | 7 5/8" Pin & box gage setting dimensions for rod style standards        |
| I       | 02462 |       | 10-14-91 | SLF                 | 7 5/8 39.00# Casing box mic-trac block offsets and riser block settings |
| M       | 06813 | B     | 10/22/15 | SLF                 | 7 5/8" 26.40# BOX   |
| A       | 06814 | A     | 02/18/13 | SLF                 | 7 5/8" 26.40# HANDLING PLUG   |
| M       | 06812 | A     | 05/06/15 | SLF                 | 7 5/8" 26.40# PIN   |
| G       | 04174 |       | 3-3-97   | SLF                 | 7 5/8" 29.70# Box setting standard                                      |
| M       | 03185 | E     | 10/26/15 | SLF                 | 7 5/8" 29.70# BOX   |
| M       | 03184 | E     | 04/20/15 | SLF                 | 7 5/8" 29.70# PIN   |
| A       | 03208 | D     | 02/18/13 | SLF                 | 7 5/8" 29.70# HANDLING plug   |
| I       | 03194 |       | 6-23-94  | SLF                 | 7 5/8" 29.70# Pin & box gage setting dimension for rod style standards  |
| G       | 04173 |       | 3-3-97   | SLF                 | 7 5/8" 29.70# Pin setting standard                                      |
| M       | 07430 |       | 03/09/10 | SLF                 | 7 5/8" 29.70# INCONEL 625-825 PIN                                       |

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|---------|-------|-------|----------|---------------------|---|
| M       | 07431 | A     | 08/24/15 | SLF                 | 7 5/8" 29.70# INCONEL 625-825 BOX   |
| M       | 02379 | E     | 10/22/15 | SLF                 | 7 5/8" 33.70# BOX   |
| M       | 02378 | F     | 01/16/15 | SLF                 | 7 5/8" 33.70# Casing pin connector  |
| A       | 04275 | E     | 02/18/13 | SLF                 | 7 5/8" 33.70# HANDLING plug   |
| P       | 05508 |       | 07/12/00 | SLF                 | 7 5/8" 39# ON 7 5/8" 47.10# PIPE - ACCESSORY BLANKING DIMS.                                   |
| M       | 00997 | F     | 10/22/15 | SLF                 | 7 5/8" 39# BOX  |
| M       | 00996 | F     | 04/20/15 | SLF                 | 7 5/8" 39# PIN  |
| A       | 02460 | D     | 02/18/13 | SLF                 | 7 5/8" 39.# HANDLING plug   |
| I       | 02463 |       | 10-14-91 | SLF                 | 7 5/8" 39.00# Casing pin mic-trac block offsets   |
| M       | 03759 | C     | 10/22/15 | SLF                 | 7 5/8" 42.80# BOX   |
| M       | 03758 | D     | 01/27/15 | SLF                 | 7 5/8" 42.80# Casing pin connector  |
| A       | 03760 | E     | 02/18/13 | SLF                 | 7 5/8" 42.80# HANDLING plug   |
| G       | 06661 |       | 10/26/04 | SLF                 | 7 5/8" 42.80# PIN SET. STD. - EDM FRAME STYLE   |
| G       | 04388 |       | 8-12-97  | SLF                 | 7 5/8" 45.30# Box setting standard  |
| M       | 04386 | C     | 10/22/15 | SLF                 | 7 5/8" 45.30# BOX   |
| M       | 04385 | B     | 04/20/15 | SLF                 | 7 5/8" 45.30# PIN   |
| A       | 04389 | C     | 02/18/13 | SLF                 | 7 5/8" 45.30# HANDLING plug   |
| G       | 04387 |       | 8-12-97  | SLF                 | 7 5/8" 45.30# Pin setting standard for all grades   |
| I       | 03192 | G     | 05/09/16 | SLF                 | 7 5/8" - 8 5/8" PIN & BOX SHOULDER DEPTH, PIN RELIEF TAPER DIAMETER, GROOVE DEPTH MEASUREMENT |
| G       | 05108 |       | 06/22/99 | SLF                 | 7 3/4" 46.10# PIN SETTING STD - EDM FRAME STYLE   |
| M       | 02538 | D     | 11/17/15 | SLF                 | 7 3/4" 46.10# BOX   |
| M       | 02537 | C     | 04/20/15 | SLF                 | 7 3/4" 46.10# PIN   |
| A       | 04338 | C     | 02/18/13 | SLF                 | 7 3/4" 46.10# HANDLING plug   |
| I       | 03431 |       | 7-21-95  | SLF                 | 7 3/4" 46.10# Pin & box gage setting dimensions for rod style standards                       |
| M       | 02114 | E     | 05/05/16 | SLF                 | 8 1/8" (.438" WALL) 35.99# BOX  |
| M       | 02113 | D     | 05/05/16 | SLF                 | 8 1/8" (.438" WALL) 35.99# PIN  |
| I       | 02119 | A     | 05/05/16 | SLF                 | 8 1/8" (.438 WALL) 35.99# PIN & BOX SHOULDER DEPTH & RELIEF TAPER DIA. MEASUREMENT            |
| I       | 02118 | A     | 05/05/16 | SLF                 | 8 1/8" (.438 WALL) 35.99# BOX MIC-TRACK BLOCK OFFSET & RISER BLOCK SETTINGS                   |
| I       | 02117 | A     | 05/05/16 | SLF                 | 8 1/8" (.438 WALL) 35.99# PIN MIC-TRACK BLOCK OFFSET  |
| M       | 09040 |       | 05/13/16 | SLF                 | 8 5/8" 36# PIN  |
| M       | 09041 |       | 05/13/16 | SLF                 | 8 5/8" 36# BOX  |
| G       | 09042 |       | 05/13/16 | SLF                 | 8 5/8" 36# PIN SETTING STANDARD - EDM FRAME STYLE   |
| G       | 09043 |       | 05/13/16 | SLF                 | 8 5/8" 36# BOX SETTING STANDARD - EDM FRAME STYLE   |
| A       | 09044 |       | 05/13/16 | SLF                 | 8 5/8" 36# HANDLING PLUG  |
| I       | 04396 | B     | 05/09/16 | SLF                 | 8 5/8" PIN & BOX GAGE SETTING DIMENSIONS FOR ROD STYLE STANDARDS                              |
| G       | 04393 |       | 8-12-97  | SLF                 | 8 5/8" 40.00# Box setting standard  |
| M       | 04391 | D     | 11/16/15 | SLF                 | 8 5/8" 40.00# BOX   |
| M       | 04390 | C     | 04/20/15 | SLF                 | 8 5/8" 40.00# PIN   |

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|---------|-------|-------|----------|---------------------|---|
| A       | 04394 | D     | 02/18/13 | SLF                 | 8 5/8" 40.00# HANDLING PLUG   |
| G       | 04392 |       | 8-12-97  | SLF                 | 8 5/8" 40.00# Pin setting standard for all grades                                       |
| M       | 07093 | A     | 04/20/15 | SLF                 | 8 5/8" 44# PIN  |
| M       | 07094 | B     | 10/20/15 | SLF                 | 8 5/8" 44# BOX  |
| A       | 07095 | A     | 02/18/13 | SLF                 | 8 5/8" 44# HANDLING PLUG  |
| M       | 05796 | A     | 07/23/02 | SLF                 | 9 3/8" PIN SWAGING ALL APPLICABLE WEIGHTS   |
| M       | 05798 | C     | 10/20/15 | SLF                 | 9 3/8" 39# BOX  |
| A       | 05799 | C     | 02/18/13 | SLF                 | 9 3/8" 39# HANDLING PLUG  |
| M       | 05797 | C     | 01/27/15 | SLF                 | 9 3/8" 39# PIN  |
| I       | 06278 |       | 05/08/03 | SLF                 | 9 3/8" 39# PIN AND BOX GAGE SET. DIM. FOR ROD STYLE STANDARDS                           |
| M       | 06153 |       | 10/22/02 | SLF                 | 9 3/8" 39# PIN ON 9 5/8" 53.50# PIPE  |
| I       | 02895 | S     | 09/11/12 | SLF                 | 9 3/8" - 11 7/8" Pin & box shoulder depth, pin relief taper diameter, groove depth mea. |
| P       | 03248 | V     | 06/08/15 | SLF                 | 9 3/8" - 13 5/8" Accessory blanking dimensions  |
| I       | 03432 | D     | 09/11/12 | SLF                 | 9 5/8" Pin & box gage setting dimensions for rod style standards (Tabulated)            |
| M       | 06959 | B     | 10/20/15 | SLF                 | 9 5/8" 36# BOX  |
| M       | 06958 | A     | 03/24/15 | SLF                 | 9 5/8" 36# PIN  |
| A       | 06960 | A     | 02/18/13 | SLF                 | 9 5/8" 36# HANDLING PLUG  |
| M       | 04405 | D     | 11/16/15 | SLF                 | 9 5/8" 40.00# BOX   |
| M       | 04404 | C     | 03/24/15 | SLF                 | 9 5/8" 40.00# PIN   |
| A       | 04406 | C     | 02/18/13 | SLF                 | 9 5/8" 40.00# HANDLING plug   |
| M       | 04408 | C     | 11/16/15 | SLF                 | 9 5/8" 43.50# BOX   |
| M       | 04407 | A     | 03/24/15 | SLF                 | 9 5/8" 43.50# PIN   |
| A       | 04409 | C     | 02/18/13 | SLF                 | 9 5/8" 43.50# HANDLING plug   |
| G       | 08156 |       | 06/03/13 | SLF                 | 9 5/8" 43.50# PIN SETTING STD. - EDM FRAME STYLE  |
| M       | 09120 |       | 04/27/15 | SLF - PPC           | 9 5/8" 43.50# on 47# PIN  |
| M       | 09121 |       | 04/27/15 | SLF - PPC           | 9 5/8" 43.50# on 47# BOX  |
| M       | 04186 | D     | 11/16/15 | SLF                 | 9 5/8" 47.00# BOX   |
| M       | 04185 | B     | 03/24/15 | SLF                 | 9 5/8" 47.00# PIN   |
| A       | 04187 | F     | 10/28/16 | SLF                 | 9 5/8" 47# HANDLING PLUG  |
| G       | 08155 |       | 06/03/13 | SLF                 | 9 5/8" 47.00# PIN SETTING STD. - EDM FRAME STYLE  |
| M       | 02381 | D     | 10/20/15 | SLF                 | 9 5/8" 53.50# BOX   |
| I       | 02896 |       | 4-6-93   | SLF                 | 9 5/8" 53.50# Casing box mic-trac block offsets and riser block settings                |
| M       | 02380 | D     | 09/19/14 | SLF                 | 9 5/8" 53.50# Casing pin connector  |
| I       | 02897 |       | 4-6-93   | SLF                 | 9 5/8" 53.50# Casing pin mic-trac block offsets   |
| A       | 02898 | D     | 02/18/13 | SLF                 | 9 5/8" 53.50# HANDLING PLUG   |
| G       | 08157 |       | 06/03/13 | SLF                 | 9 5/8" 53.50# PIN SETTING STD. - EDM FRAME STYLE  |
| M       | 08015 |       | 09/12/12 | SLF                 | 9 5/8" 58.40# PIN   |
| M       | 08016 | B     | 10/20/15 | SLF                 | 9 5/8" 58.40# BOX   |
| A       | 08017 | B     | 02/18/13 | SLF                 | 9 5/8" 58.40# HANDLING PLUG   |

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|---------|-------|-------|----------|---------------------|--|
| G       | 08018 |       | 09/12/12 | SLF                 | 9 5/8" 58.40# PIN SETTING STD. - EDM FRAME STYLE                             |
| M       | 04992 | B     | 10/20/15 | SLF                 | 9 5/8" 70.30# BOX  |
| A       | 04993 | C     | 02/18/13 | SLF                 | 9 5/8" 70.30# HANDLING PLUG  |
| M       | 04991 | A     | 03/24/15 | SLF                 | 9 5/8" 70.30# PIN  |
| G       | 04994 |       | 01/26/99 | SLF                 | 9 5/8" 70.30# PIN SET. STD. - EDM FRAME STYLE                                |
| G       | 01876 | D     | 12-1-98  | SLF                 | 9 5/8 - 13 5/8" Box setting standard   |
| M       | 05043 |       | 04/09/99 | SLF                 | 9 7/8" PIN SWAGING   |
| M       | 05045 | B     | 10/21/15 | SLF                 | 9 7/8" 62.80# BOX  |
| A       | 05046 | C     | 02/18/13 | SLF                 | 9 7/8" 62.80# HANDLING PLUG  |
| M       | 05044 | A     | 01/27/15 | SLF                 | 9 7/8" 62.80# PIN  |
| G       | 05042 |       | 04/08/99 | SLF                 | 9 7/8" 62.80# PIN SETTING STD. - EDM FRAME STYLE                             |
| P       | 03981 |       | 8-27-96  | SLF                 | 10 3/4" x .430 Accessory blanking dimensions                                 |
| M       | 03944 | B     | 11/24/15 | SLF                 | 10 3/4" x .430 Box connector wall titanium                                   |
| G       | 04006 |       | 9-10-96  | SLF                 | 10 3/4" x .430 Box soft setting standard wall titanium                       |
| M       | 03943 | A     | 6-26-98  | SLF                 | 10 3/4" x .430 Casing pin connector wall titanium                            |
| I       | 03979 |       | 8-27-96  | SLF                 | 10 3/4" x .430 Pin & box gage setting dimensions for rod style standards     |
| I       | 03980 |       | 8-27-96  | SLF                 | 10 3/4" x .430 Pin shoulder depth & relief taper diameter measurement        |
| G       | 04005 |       | 9-10-96  | SLF                 | 10 3/4" x .430 Pin soft setting standard wall titanium                       |
| P       | 04480 | A     | 12/20/99 | SLF                 | 10 3/4" x .450 - .455 Accessory blanking dimensions                          |
| I       | 04479 | B     | 12/20/99 | SLF                 | 10 3/4" x .450 - .455 Pin shoulder depth & relief taper diameter measurement |
| M       | 04478 | C     | 11/24/15 | SLF                 | 10 3/4" x .450 - .455 wall box connector titanium                            |
| M       | 04477 | B     | 12/20/99 | SLF                 | 10 3/4" x .450 - .455 wall casing pin connector titanium                     |
| A       | 04694 | D     | 02/18/13 | SLF                 | 10 3/4" X .450 - .455 Wall HANDLING plug titanium                            |
| G       | 04462 | A     | 12/06/01 | SLF                 | 10 3/4" .450 - .455 wall titanium Box setting standard- EDM frame style      |
| G       | 04461 | A     | 12/06/01 | SLF                 | 10 3/4" .450 - .455 wall titanium Pin setting standard- EDM frame style      |
| M       | 07217 | B     | 05/06/15 | SLF                 | 10 3/4" 45.50# PIN   |
| M       | 07218 | C     | 10/22/15 | SLF                 | 10 3/4" 45.50# BOX   |
| A       | 07219 | B     | 02/18/13 | SLF                 | 10 3/4" 45.50# HANDLING PLUG   |
| M       | 07158 | A     | 03/31/15 | SLF                 | 10 3/4" 55.50# PIN   |
| M       | 07159 | B     | 10/21/15 | SLF                 | 10 3/4" 55.50# BOX   |
| G       | 07160 |       | 03/04/08 | SLF                 | 10 3/4" 55.50# PIN SETTING STANDARD - EDM FRAME STYLE                        |
| A       | 07161 | A     | 02/18/13 | SLF                 | 10 3/4" 55.50# HANDLING PLUG   |
| M       | 05081 | B     | 10/21/15 | SLF                 | 10 3/4" 60.70# BOX   |
| A       | 05082 | C     | 02/18/13 | SLF                 | 10 3/4" 60.70# HANDLING PLUG   |
| M       | 05080 | A     | 03/31/15 | SLF                 | 10 3/4" 60.70# PIN   |
| M       | 00980 | D     | 10/21/15 | SLF                 | 10 3/4" 65.70# BOX   |
| M       | 00979 | C     | 03/31/15 | SLF                 | 10 3/4" 65.70# Casing pin connector  |
| A       | 04339 | C     | 02/18/13 | SLF                 | 10 3/4" 65.70# HANDLING plug   |
| G       | 07116 |       | 12/21/07 | SLF                 | 10 3/4" 65.70# PIN SETTING STD. - EDM FRAME STYLE                            |



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|---------|-------|-------|----------|---------------------|--|
| I       | 03433 | D     | 05/25/10 | SLF                 | 11 3/4" Pin & box gage setting dimensions for rod style standards        |
| M       | 06965 |       | 01/24/07 | SLF                 | 11 3/4" 47# PIN - SPECIAL DRIFT  |
| M       | 04525 | C     | 10/21/15 | SLF                 | 11 3/4" 47# BOX  |
| M       | 04524 | B     | 03/31/15 | SLF                 | 11 3/4" 47# Casing pin connector   |
| A       | 04528 | C     | 02/18/13 | SLF                 | 11 3/4" 47.# HANDLING plug   |
| G       | 04526 | A     | 01/09/01 | SLF                 | 11 3/4" 47.# Pin setting standard- EDM frame style                       |
| M       | 06992 | B     | 10/21/15 | SLF                 | 11 3/4" 54# BOX  |
| A       | 06993 | A     | 02/18/13 | SLF                 | 11 3/4" 54# HANDLING PLUG  |
| M       | 06991 | A     | 03/31/15 | SLF                 | 11 3/4" 54# PIN  |
| G       | 06994 |       | 02/28/07 | SLF                 | 11 3/4" 54# PIN SETTING STANDARD - EDM FRAME STYLE                       |
| M       | 04411 | C     | 10/21/15 | SLF                 | 11 3/4" 60# BOX  |
| M       | 04410 | B     | 03/31/15 | SLF                 | 11 3/4" 60# CASING PIN CONNECTOR   |
| A       | 04412 | D     | 02/18/13 | SLF                 | 11 3/4" 60.# Handling plug   |
| G       | 04469 | A     | 01/09/01 | SLF                 | 11 3/4" 60.# Pin setting standard- EDM style                             |
| M       | 01830 | D     | 10/21/15 | SLF                 | 11 3/4" 65# BOX  |
| M       | 01829 | C     | 03/31/15 | SLF                 | 11 3/4" 65.# Casing pin connector  |
| A       | 04219 | D     | 02/18/13 | SLF                 | 11 3/4" 65.# HANDLING plug   |
| G       | 07797 |       | 07/06/11 | SLF                 | 11 3/4" 65.# PIN SETTING STANDARD - EDM FRAME STYLE                      |
| M       | 07379 | A     | 03/31/15 | SLF                 | 11 3/4" 71# PIN  |
| M       | 07380 | B     | 10/23/15 | SLF                 | 11 3/4" 71# BOX  |
| A       | 07381 | A     | 02/18/13 | SLF                 | 11 3/4" 71# HANDLING PLUG  |
| G       | 07382 |       | 09/29/09 | SLF                 | 11 3/4" 71# PIN SETTING STANDARD - EDM FRAME STYLE                       |
| M       | 06835 | B     | 11/16/15 | SLF                 | 11 7/8" 58.80 - 58.82# BOX   |
| A       | 06836 | B     | 06/08/15 | SLF                 | 11 7/8" 58.80 - 58.82# HANDLING PLUG                                     |
| M       | 06834 | A     | 06/08/15 | SLF                 | 11 7/8" 58.80 - 58.82# PIN   |
| G       | 06837 | A     | 06/08/15 | SLF                 | 11 7/8" 58.80 & 58.82# PIN SETTING STANDARD - EDM FRAME STYLE            |
| M       | 04464 | C     | 10/23/15 | SLF                 | 11 7/8" 71.80# BOX   |
| M       | 04463 | D     | 01/22/15 | SLF                 | 11 7/8" 71.80# Casing pin connector                                      |
| A       | 04466 | C     | 02/18/13 | SLF                 | 11 7/8" 71.80# HANDLING plug   |
| G       | 04467 | A     | 01/09/01 | SLF                 | 11 7/8" 71.80# Pin setting standard- EDM frame style                     |
| M       | 09802 | A     | 07/23/19 | SLF                 | 13.375" - 20.00" SUPPLEMENTAL PIN REQUIREMENTS                           |
| M       | 09805 | A     | 08/13/19 | SLF                 | 13.375" - 20.00" SUPPLEMENTAL BOX REQUIREMENTS                           |
| I       | 03243 | D     | 04/08/15 | SLF                 | 13 3/8" Pin & box shoulder depth & pin relief taper diameter measurement |
| M       | 03662 | D     | 11/24/15 | SLF                 | 13 3/8" .514 - .580 WALL TITANIUM BOX CONNECTOR                          |
| M       | 03661 | D     | 05/19/15 | SLF                 | 13 3/8" .514 - .580 WALL TITANIUM PIN CONNECTOR                          |
| G       | 04976 | B     | 08/12/13 | SLF                 | 13 3/8" .514 WALL titanium Box setting standard - EDM frame style        |
| G       | 04975 | B     | 08/12/13 | SLF                 | 13 3/8" .514 WALL titanium Pin setting standard - EDM frame style        |
| M       | 07420 | A     | 03/05/15 | SLF                 | 13 3/8" 54.50# - 61# PIN   |
| M       | 07421 | C     | 10/23/15 | SLF                 | 13 3/8" 54.50# - 61# BOX   |

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| G       | 07423 | A     | 03/05/15 | SLF                 | 13 3/8" 54.50# & 61# PIN SET. STD. - EDM FRAME STYLE                                      |
| A       | 07422 | B     | 04/07/15 | SLF                 | 13 3/8" 54.50# - 61# HANDLING PLUG  |
| I       | 06555 | A     | 02/08/10 | SLF                 | 13 3/8" 54.50 - 68# GAGE SETTING DIM. FOR ROD STYLE STANDARDS PIN & BOX                   |
| M       | 05000 | A     | 10/27/15 | SLF                 | 13 3/8" 68# BOX   |
| A       | 05001 | D     | 02/18/13 | SLF                 | 13 3/8" 68# HANDLING PLUG   |
| M       | 04999 | A     | 03/31/15 | SLF                 | 13 3/8" 68# PIN   |
| G       | 05002 |       | 02/01/99 | SLF                 | 13 3/8" 68# Pin setting std -EDM frame style  |
| M       | 07432 | C     | 05/19/15 | SLF                 | 13 3/8" 68# INCONEL 625-825 PIN   |
| M       | 07433 | D     | 11/24/15 | SLF                 | 13 3/8" 68# INCONEL 625-825 BOX   |
| I       | 07538 |       | 08/31/10 | SLF                 | 13 3/8" 68# Inconel 625-825 Pin &Box Shldr Depth, Pin Relief Taper Dia, Groove Depth Mea. |
| G       | 07535 | A     | 10/06/10 | SLF                 | 13 3/8" 68# Inconel 625-825 BOX SET. STD. - EDM FRAME STYLE                               |
| G       | 07536 | A     | 10/06/10 | SLF                 | 13 3/8" 68# Inconel 625-825 PIN SET. STD. - EDM FRAME STYLE                               |
| I       | 07537 | A     | 10/06/10 | SLF                 | 13 3/8" 68# Inconel 625-825 GAGE SET. DIMS FOR ROD STYLE STDS                             |
| M       | 03241 | D     | 10/23/15 | SLF                 | 13 3/8" 72# BOX   |
| M       | 03240 | C     | 03/31/15 | SLF                 | 13 3/8" 72.# Casing pin connector   |
| A       | 04340 | C     | 02/18/13 | SLF                 | 13 3/8" 72.# HANDLING plug  |
| I       | 03244 | A     | 12/1/98  | SLF                 | 13 3/8" 72.# Pin & box gage setting dimensions for rod style standards                    |
| G       | 04548 | A     | 12-15-97 | SLF                 | 13 3/8" 72.# Pin setting standard- EDM frame style  |
| A       | 04986 | D     | 08/12/13 | SLF                 | 13 3/8" X .514 - .580 WALL HANDLING PLUG (TITANIUM)                                       |
| P       | 03665 | B     | 10/30/08 | SLF                 | 13 3/8" - 13 5/8" titanium accessory blank dim.   |
| I       | 03663 | A     | 11/17/95 | SLF                 | 13 3/8" - 13 5/8" titanium pin & box gage set. dims. for rod style std.                   |
| I       | 03664 | B     | 11/17/95 | SLF                 | 13 3/8" - 13 5/8" titanium pin & box shlder/pin groove depth measurement                  |
| M       | 07242 | A     | 05/20/15 | SLF                 | 13 5/8" 45.60# TITANIUM PIN   |
| M       | 07243 | B     | 11/24/15 | SLF                 | 13 5/8" 45.60# TITANIUM BOX   |
| G       | 07244 |       | 10/30/08 | SLF                 | 13 5/8" 45.60# (.580W) TITANIUM PIN SETTING STANDARD - EDM FRAME STYLE                    |
| G       | 07245 |       | 10/30/08 | SLF                 | 13 5/8" 45.60# (.580W) TITANIUM BOX SETTING STANDARD - EDM FRAME STYLE                    |
| A       | 07246 | A     | 01/18/13 | SLF                 | 13 5/8" 45.60# TITANIUM HANDLING PLUG   |
| M       | 07249 |       | 11/03/08 | SLF                 | 13 5/8" 45.60# TITANIUM PIN x 16" 53.60# TITANIUM BOX                                     |
| M       | 04414 | C     | 10/23/15 | SLF                 | 13 5/8" 88.20# BOX  |
| M       | 04413 | B     | 03/31/15 | SLF                 | 13 5/8" 88.20# CASING PIN CONNECTOR   |
| A       | 04416 | D     | 02/18/13 | SLF                 | 13 5/8" 88.20# HANDLING plug  |
| I       | 04418 | A     | 12/1/98  | SLF                 | 13 5/8" 88.20# Pin & box gage setting dimensions for rod style standards                  |
| I       | 04417 | A     | 3-25-99  | SLF                 | 13 5/8" 88.20# Pin & box shoulder depth & pin relief taper diameter measurement           |
| G       | 08158 |       | 06/03/13 | SLF                 | 13 5/8" 88.20# Pin SETTING STD. - EDM FRAME STYLE   |
| M       | 07247 | A     | 05/06/15 | SLF                 | 16" 53.60# TITANIUM PIN   |
| M       | 07248 | A     | 10/27/15 | SLF                 | 16" 53.60# TITANIUM BOX   |
| A       | 05861 | G     | 11/17/16 | SLF                 | 16" 53.60# (Ti) & 97# HANDLING PLUG   |
| M       | 06290 | C     | 02/19/19 | SLF                 | 16" 84# BOX   |
| A       | 06292 | B     | 02/18/13 | SLF                 | 16" 84# HANDLING PLUG   |

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|---------|--------|-------|----------|---------------------|--|
| M       | 06289  | A     | 04/14/15 | SLF                 | 16" 84# PIN  |
| G       | 06291  |       | 05/20/03 | SLF                 | 16" 84# PIN SET. STD. - EDM FRAME STYLE                      |
| M       | 07434  | A     | 12/09/10 | SLF                 | 16" 84# INCONEL 625-825 PIN                                  |
| M       | 07435  | B     | 08/24/15 | SLF                 | 16" 84# INCONEL 625-825 BOX                                  |
| M       | 05859  | F     | 10/27/15 | SLF                 | 16" 97# BOX  |
| M       | 05858  | F     | 03/27/15 | SLF                 | 16" 97# PIN  |
| I       | 06271  |       | 04/29/03 | SLF                 | 16" 97# PIN & BOX GAGE SET. DIM. FOR ROD STYLE STANDARDS     |
| G       | 05863  | C     | 10/30/08 | SLF                 | 16" 97# & 53.30 (Ti) # PIN SET. STD. - EDM FRAME STYLE       |
| M       | 06282  | C     | 12/01/15 | SLF                 | 16" 109# - 112.62# BOX                                       |
| A       | 06288  | D     | 02/18/13 | SLF                 | 16" 109# - 112.62# HANDLING PLUG                             |
| M       | 06281  | C     | 01/16/15 | SLF                 | 16" 109# - 112.62# PIN                                       |
| G       | 06287  | B     | 03/29/11 | SLF                 | 16" 109# - 112.62# PIN SET. STD. - EDM FRAME STYLE           |
| M       | 07701  | A     | 04/27/15 | SLF                 | 16" 118# PIN   |
| M       | 07702  | B     | 10/23/15 | SLF                 | 16" 118# BOX   |
| A       | 07703  | B     | 02/18/13 | SLF                 | 16" 118# HANDLING PLUG                                       |
| G       | 07704  |       | 03/18/11 | SLF                 | 16" 118# PIN SET. STD. - EDM FRAME STYLE                     |
| I       | 06272  | L     | 07/28/15 | SLF                 | 16" - 20" PIN SHOULDER & GROOVE DEPTH MEA.                   |
| P       | 05950  | N     | 07/28/15 | SLF                 | 16" - 20" ACCESSORY BLANKING DIMENSIONS                      |
| M       | 05860  | L     | 07/28/15 | SLF                 | 16" - 20" PIN SWAGING, ALL APPLICABLE WEIGHTS                |
| G       | 05949  | O     | 07/28/15 | SLF                 | 16" - 20" BOX SET. STD. - EDM FRAME STYLE                    |
| M       | 07335  | A     | 05/06/15 | SLF                 | 17" 79# PIN  |
| M       | 07336  | A     | 10/27/15 | SLF                 | 17" 79# BOX  |
| G       | 07337  |       | 05/20/09 | SLF                 | 17" 79# PIN SETTING STD. - EDM FRAME STYLE                   |
| A       | 07338  | A     | 02/18/13 | SLF                 | 17" 79# HANDLING PLUG  |
| M       | 05866  | E     | 02/19/19 | SLF                 | 17 7/8" 92.78# BOX   |
| A       | 05954  | D     | 02/18/13 | SLF                 | 17 7/8" 92.78# HANDLING PLUG                                 |
| M       | 05865  | C     | 04/27/15 | SLF                 | 17 7/8" 92.78# PIN   |
| G       | 05867  | B     | 02/05/04 | SLF                 | 17 7/8" 92.78# PIN SET. STD. - EDM FRAME STYLE               |
| M       | 06284  | C     | 10/27/15 | SLF                 | 17 7/8" 121#, 17.959" 120.16#, 18" 128# BOX                  |
| A       | 06285  | C     | 02/18/13 | SLF                 | 17 7/8" 121#, 17.959" 120.16#, 18" 128# LIFT PLUG            |
| M       | 06283  | C     | 05/06/15 | SLF                 | 17 7/8" 121#, 17.959" 120.16#, 18" 128# PIN                  |
| G       | 06286  | A     | 08/14/13 | SLF                 | 17 7/8" 121#, 17.959" 120.16#, 18" 128# PIN SETTING STANDARD |
| P       | 07241  |       | 10/24/08 | SLF                 | 18" BOX CALIBRATION DIE                                      |
| M       | 07233  | B     | 07/28/15 | SLF                 | 18" 93.45 - 105.00# PIN                                      |
| M       | 07233M | B     | 07/28/15 | SLF                 | 18" 93.45 - 105.00# PIN (Metric)                             |
| M       | 07234  | C     | 02/19/19 | SLF                 | 18" 93.45 - 105.00# BOX                                      |
| M       | 07234M | B     | 10/26/15 | SLF                 | 18" 93.45 - 105.00# BOX (Metric)                             |
| G       | 07235  | A     | 07/28/15 | SLF                 | 18" 93.45 - 105.00# PIN SETTING STD. - EDM FRAME STYLE       |
| A       | 07364  | C     | 07/28/15 | SLF                 | 18" 93.45 - 105.00# HANDLING PLUG                            |

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|---------|--------|-------|----------|---------------------|--|
| A       | 07364M | C     | 07/28/15 | SLF                 | 18" 93.45 - 105.00# HANDLING PLUG (METRIC)                           |
| M       | 08186  | B     | 01/16/15 | SLF                 | 18" 117# PIN   |
| M       | 08187  | D     | 10/10/16 | SLF                 | 18" 117# BOX   |
| A       | 08188  | A     | 11/17/16 | SLF                 | 18" 117# HANDLING PLUG   |
| G       | 08189  |       | 09/04/13 | SLF                 | 18" 117# PIN SETTING STD. - EDM FRAME STYLE                          |
| M       | 08245  | A     | 04/27/15 | SLF                 | 18 5/8" 96.50# PIN   |
| M       | 08246  | B     | 10/23/15 | SLF                 | 18 5/8" 96.50# BOX   |
| A       | 08247  |       | 01/22/14 | SLF                 | 18 5/8" 96.50# HANDLING PLUG   |
| G       | 08249  |       | 01/22/14 | SLF                 | 18 5/8" 96.50# PIN SETTING STD. - EDM FRAME STYLE                    |
| M       | 08252  | A     | 04/27/15 | SLF                 | 18 5/8" 114# PIN   |
| M       | 08253  | B     | 10/23/15 | SLF                 | 18 5/8" 114# BOX   |
| A       | 08254  |       | 01/22/14 | SLF                 | 18 5/8" 114# HANDLING PLUG   |
| G       | 08256  |       | 01/22/14 | SLF                 | 18 5/8" 114# PIN SETTING STD. - EDM FRAME STYLE                      |
| M       | 06631  | A     | 05/06/15 | SLF                 | 20" 94# PIN  |
| M       | 06632  | B     | 10/27/15 | SLF                 | 20" 94# BOX  |
| A       | 06634  | C     | 02/18/13 | SLF                 | 20" 94# HANDLING PLUG  |
| G       | 06633  |       | 09/09/04 | SLF                 | 20" 94# PIN SET. STD. - EDM FRAME STYLE                              |
| M       | 06629  | A     | 10/27/15 | SLF                 | 20" 133# BOX   |
| A       | 06635  | C     | 02/18/13 | SLF                 | 20" 133# HANDLING PLUG   |
| M       | 06628  | A     | 04/27/15 | SLF                 | 20" 133# PIN   |
| G       | 06630  |       | 09/09/04 | SLF                 | 20" 133# PIN SET. STD. - EDM FRAME STYLE                             |
| G       | 04761  | B     | 01/05/01 | SLF                 | Box set. Std. - EDM frame style for threadform M02548                |
| G       | 04468  | O     | 06/08/15 | SLF                 | Box setting standard - EDM frame style for threadform M00930         |
| G       | 04663  | K     | 10/06/09 | SLF                 | Box setting standard- EDM frame style for threadform M00838          |
| G       | 04656  | B     | 04/21/06 | SLF                 | Box setting standard- EDM frame style For threadform M00970          |
| G       | 04655  | B     | 04/21/06 | SLF                 | Pin setting standard- EDM frame style for thread form M00971         |
| G       | 04760  | B     | 01/05/01 | SLF                 | Pin setting standard- EDM frame style threadform M00052              |
| G       | 04662  | K     | 10/06/09 | SLF                 | Pin setting standard- EDM frame style threadform M00837              |
| M       | 06791  |       | 08/04/05 | SLF / SLSF          | 9 7/8" 62.80# SL FLUSH PIN X 9 5/8" 53.50# SL SF BOX CROSSOVER SUB   |
| M       | 06248  |       | 01/31/03 | SLF / SLSF          | 11 7/8" 71.80# SL FLUSH PIN X 13 5/8" 88.20# SL SF BOX CROSSOVER SUB |
| M       | 08061  |       | 11/13/12 | SLF SR              | 2 7/8" 6.40# PIN   |
| M       | 08062  | A     | 10/28/15 | SLF SR              | 2 7/8" 6.40# BOX   |
| M       | 08063  |       | 11/12/13 | SLF SR              | 2 7/8" 6.40# BOX SIZING  |
| P       | 08064  |       | 11/12/12 | SLF SR              | 2 7/8" 6.40# PRESSURE SEAL RING                                      |
| A       | 08065  |       | 11/14/12 | SLF SR              | 2 7/8" 6.40# PIN COATING/BLASING MASK                                |
| A       | 08066  |       | 11/13/12 | SLF SR              | 2 7/8" 6.40# BOX COATING/BLASING MASK                                |
| P       | 07323  | B     | 11/15/12 | SLF SR              | 2 7/8" 6.40# - 4 1/2" 12.60# BOX SIZING DIE                          |
| P       | 07476  |       | 06/04/10 | SLF SR              | 3 1/2" 9.20# PRESSURE SEAL RING                                      |
| M       | 07482  |       | 06/21/10 | SLF SR              | 3 1/2" 9.20# BOX SIZING  |

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| M       | 07478 |       | 06/21/10 | SLF SR              | 3 1/2" 9.20# PIN  |
| M       | 07479 | A     | 08/24/15 | SLF SR              | 3 1/2" 9.20# BOX  |
| A       | 07480 |       | 06/21/10 | SLF SR              | 3 1/2" 9.20# PIN COATING/BLASTING MASK                            |
| A       | 07481 |       | 06/21/10 | SLF SR              | 3 1/2" 9.20# BOX COATING/BLASTING MASK                            |
| P       | 07322 |       | 04/21/09 | SLF SR              | 4 1/2 12.60# PRESSURE SEAL RING                                   |
| M       | 07324 |       | 04/21/09 | SLF SR              | 4 1/2" 12.60# BOX SIZING  |
| M       | 07318 |       | 04/21/09 | SLF SR              | 4 1/2" 12.60# PIN   |
| M       | 07319 | A     | 08/24/15 | SLF SR              | 4 1/2" 12.60# BOX   |
| A       | 07320 |       | 04/21/09 | SLF SR              | 4 1/2" 12.60# PIN COATING/BLASING MASK                            |
| A       | 07321 |       | 04/21/09 | SLF SR              | 4 1/2" 12.60# BOX COATING/BLASING MASK                            |
| M       | 05614 | A     | 08/24/15 | SLF SR              | 8 5/8" 40# BOX  |
| A       | 05617 |       | 11/07/00 | SLF SR              | 8 5/8" 40# BOX COATING/BLASING MASK                               |
| M       | 05620 |       | 10/09/00 | SLF SR              | 8 5/8" 40# BOX SIZING   |
| P       | 05619 |       | 11/07/00 | SLF SR              | 8 5/8" 40# BOX SIZING DIE   |
| M       | 05613 |       | 11/07/00 | SLF SR              | 8 5/8" 40# PIN  |
| A       | 05616 |       | 11/07/00 | SLF SR              | 8 5/8" 40# PIN COATING/BLASING MASK                               |
| P       | 05615 |       | 11/07/00 | SLF SR              | 8 5/8" 40# PRESSURE SEAL RING                                     |
| P       | 05618 | C     | 11/16/12 | SLF SR              | PLASTIC COATING SPECIFICATION                                     |
| A       | 07163 |       | 03/10/08 | SLF TIMED           | 10 3/4" 55.50# PIN MAKE-UP POSITIONER                             |
| A       | 07164 |       | 03/10/08 | SLF TIMED           | 10 3/4" 55.50# BOX MAKE-UP POSITIONER                             |
| I       | 07165 |       | 03/10/08 | SLF TIMED           | 10 3/4" 55.50# GAGE SET. DIMS. FOR MRP GAGES MAKE UP POSITIONERS  |
| A       | 07169 |       | 03/10/08 | SLF TIMED           | 10 3/4" & 13 3/8" SCRIBE LINE LOCATION FOR PIN MAKE UP POSITIONER |
| A       | 07170 |       | 03/10/08 | SLF TIMED           | 10 3/4" & 13 3/8" SCRIBE LINE LOCATION FOR BOX MAKE UP POSITIONER |
| A       | 07166 |       | 03/10/08 | SLF TIMED           | 13 3/8" 72# PIN MAKE-UP POSITIONER                                |
| A       | 07167 |       | 03/07/08 | SLF TIMED           | 13 3/8" 72# BOX MAKE-UP POSITIONER                                |
| I       | 07168 |       | 03/10/08 | SLF TIMED           | 13 3/8" 72# GAGE SET. DIMS. FOR MRP GAGES MAKE UP POSITIONERS     |
| P       | 02328 |       | 6-24-91  | SLFGL               | 2 3/8" Pin by 2 3/8" eue 8-rnd box Xover blank dimensions         |
| M       | 04844 |       | 08-12-98 | SLFGL               | 2 3/8" 4.60# SPECIAL CLEARANCE O.D. (2.655")                      |
| M       | 02139 | A     | 9-20-90  | SLFGL               | 2 3/8" - 3 1/2" Pin grades P-105 and below                        |
| A       | 02153 | A     | 7-14-92  | SLFGL               | 2 3/8" - 3 1/2" Accessory box                                     |
| A       | 02152 |       | 9-18-90  | SLFGL               | 2 3/8" - 3 1/2" Accessory pin cross-over                          |
| A       | 02525 |       | 12-6-91  | SLFGL               | 2 3/8" - 3 1/2" Box make-up positioner all grades, all weights    |
| M       | 02154 |       | 9-20-90  | SLFGL               | 2 3/8" - 3 1/2" Coupling grades P-105 and below                   |
| P       | 02329 | A     | 7-14-92  | SLFGL               | 2 3/8" - 3 1/2" Pin & Box accessory blanking dimensions           |
| A       | 02524 |       | 12-6-91  | SLFGL               | 2 3/8" - 3 1/2" Pin make-up positioner all grades, all weights    |
| P       | 05109 |       | 06/23/99 | SLFGL               | 2 7/8" 6.50# SEAL RING  |
| A       | 02517 | H     | 04/06/01 | SLFGL               | 4 1/2" - 7" Accessory box stainless alloy                         |
| A       | 02516 | D     | 3-17-97  | SLFGL               | 4 1/2" - 7" Accessory pin stainless alloy cross-over              |
| A       | 02527 | D     | 11-10-98 | SLFGL               | 4 1/2" - 7" Box make-up positioner all weights, all grades        |

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|---------|--------|-------|----------|---------------------|--|
| M       | 02528  | D     | 11/10/98 | SLFGL               | 4 1/2" - 7" Coupling all weights, all grades                               |
| M       | 02515  | C     | 3-17-97  | SLFGL               | 4 1/2" - 7" Pin connector  |
| A       | 02526  | B     | 3-17-97  | SLFGL               | 4 1/2" - 7" Pin make-up positioner all weights, all grades                 |
| P       | 04248  |       | 5-13-97  | SLFGL               | 5" 18.00# Accessory blanking dimension                                     |
| A       | 05019  |       | 03/22/99 | SLFGL               | 5 1/2" 17# CROSSOVER CPLG. TO CONVERTIBLE LTC                              |
| I       | 04428  |       | 9-11-97  | SLFGL               | 7" Box gage setting offsets  |
| P       | 04220  | A     | 10/22/07 | SLFGL               | 7" 23.00 & 29.00# Accessory blanking dimensions                            |
| I       | 04858  |       | 09/02/98 | SLFGL               | 7" 29# drift mandrel   |
| A       | 02523  | B     | 3-17-97  | SLFGL               | Make-up positioner assembly & scribe line location                         |
| P       | 03337  | A     | 12/23/15 | SLGS                | 4 1/2" 11.60 - 17# ACCESSORY BLANKING DIMENSIONS                           |
| M       | 01223  | F     | 12/23/15 | SLGS                | 4 1/2" - 7" CASING COUPLING ALL WEIGHTS, GRADE Q-125 & BELOW               |
| M       | 01223M |       | 01/13/16 | SLGS                | 4 1/2" - 7" CASING COUPLING ALL WEIGHTS, GRADE Q-125 & BELOW (METRIC)      |
| P       | 03340  | A     | 7-10-96  | SLGS                | 5" 13 - 23.20# Accessory blanking dimensions                               |
| P       | 03283  | A     | 2-8-95   | SLGS                | 5 1/2" 15.50 - 23# Accessory blanking dimensions                           |
| P       | 03281  | A     | 2-8-95   | SLGS                | 6 5/8" 20 - 32# Accessory blanking dimensions                              |
| P       | 03326  |       | 1-31-95  | SLGS                | 7" 23 - 38# Accessory blanking dimensions                                  |
| P       | 03327  | B     | 06/23/11 | SLGS                | 7 5/8" 26.40 - 59.20# Accessory blanking dimensions                        |
| M       | 01224  | E     | 06/23/11 | SLGS                | 7 5/8" - 10 3/4" Casing coupling all weights, grade Q-125 and below        |
| I       | 01071  | A     | 1-22-90  | SLGS                | 8 5/8" Coupling gage setting information for all weights and grades        |
| P       | 03342  |       | 2-3-95   | SLGS                | 8 5/8" 32 - 49# Accessory blanking dimensions                              |
| P       | 03324  |       | 1-31-95  | SLGS                | 9 5/8" Accessory blanking dimensions connection profile                    |
| M       | 09291  |       | 09/06/16 | SLGS                | 9 7/8" 44# PIN, GRADE Q-125 & BELOW  |
| M       | 09292  |       | 09/06/16 | SLGS                | 9 7/8" 44# COUPLING, GRADE Q-125 & BELOW                                   |
| G       | 09293  |       | 09/06/16 | SLGS                | 9 7/8" 44# PIN SETTING STANDARD - EDM FRAME STYLE                          |
| G       | 09294  | A     | 09/16/16 | SLGS                | 9 7/8" 44# BOX SETTING STANDARD - EDM FRAME STYLE                          |
| P       | 09295  |       | 09/06/16 | SLGS                | 9 7/8" 44# ACCESSORY BLANKING DIMENSIONS                                   |
| P       | 03325  | A     | 2-8-95   | SLGS                | 10 3/4" Accessory blanking dimensions connection profile                   |
| M       | 04032  |       | 10-18-96 | SLGS                | 10 3/4" 79.20# Coupling connector  |
| M       | 04015  |       | 9-24-96  | SLGS                | 10 3/4" 79.20# Pin and coupling bore detail                                |
| M       | 04031  |       | 10-18-96 | SLGS                | 10 3/4" 79.20# Pin connector   |
| P       | 03332  | A     | 11-5-98  | SLGS                | 11 3/4" Accessory blanking dimensions connection profile                   |
| M       | 01225  | G     | 08/29/18 | SLGS                | 11 3/4" - 13 5/8" ALL WEIGHT, CASING COUPLING GRADE Q-125 & BELOW          |
| P       | 03334  | B     | 04/21/16 | SLGS                | 13 3/8" ACCESSORY BLANKING DIMENSIONS CONNECTION PROFILE                   |
| P       | 08000  |       | 07/12/12 | SLGS                | 13 5/8" ACCESSORY BLANKING DIMENSIONS                                      |
| G       | 01831  | A     | 07/03/00 | SLHC                | 4 1/2" Coupling setting standard for all grades                            |
| P       | 03338  | A     | 12/23/15 | SLHC                | 4 1/2" 11.60 - 17# ACCESSORY BLANKING DIMENSIONS                           |
| M       | 01221  | H     | 12/23/15 | SLHC                | 4 1/2" - 10 3/4" CASING COUPLING ALL WEIGHTS, GRADE Q-125 & BELOW          |
| M       | 01221M | C     | 12/23/15 | SLHC                | 4 1/2" - 10 3/4" CASING COUPLING ALL WEIGHTS, GRADE Q-125 & BELOW (METRIC) |
| G       | 02587  |       | 3-30-92  | SLHC                | 4 1/2" - 10 3/4" External taper blocks for Gagemaker setbar setting        |

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| G       | 02588  | D     | 07/03/00 | SLHC                | 4 1/2" - 10 3/4" Internal taper blocks for Gagemaker setbar setting      |
| G       | 00865  | C     | 07/03/00 | SLHC                | 5" Coupling setting standard for all grades, all weights                 |
| P       | 03339  |       | 2-3-95   | SLHC                | 5" 13 - 18# Accessory blanking dimensions                                |
| I       | 01029  |       | 6-16-88  | SLHC                | 5" 13 - 18# Pin gage setting dimensions                                  |
| P       | 02511  |       | 11-18-91 | SLHC                | 5 1/2" Box Blanking dimensions after weld build-up, CTC valve collar     |
| G       | 01079  | B     | 07/03/00 | SLHC                | 5 1/2" Coupling setting standard for all grades                          |
| A       | 07314  |       | 04/17/09 | SLHC                | 5 1/2" SL HC DRIVE SUB PIN   |
| A       | 07313  |       | 04/17/09 | SLHC                | 5 1/2" SL HC PIN, MODIFIED x 4 1/2" IF (NC 50) BOX DRIVE SUB PIN         |
| I       | 07315  |       | 04/17/09 | SLHC                | 5 1/2" SL HC PIN, MODIFIED GAGE SET. DIMS FOR ROD STYLE STDS.            |
| P       | 03282  | C     | 02/28/12 | SLHC                | 5 1/2" 15.50 - 26# Accessory blanking dimensions                         |
| M       | 07519  |       | 08/09/10 | SLHC                | 5 1/2" 20# PIN CONNECTOR SP. BORE DETAIL                                 |
| A       | 08243  |       | 01/20/14 | SLHC                | 5 1/2" 20# HANDLING PLUG   |
| G       | 01832  | B     | 07/03/00 | SLHC                | 6 5/8" Coupling setting standard for all grades                          |
| I       | 02928  |       | 5-14-93  | SLHC                | 6 5/8" Pin gage setting offsets using mic-trac tig blocks                |
| P       | 02905  | B     | 2-8-95   | SLHC                | 6 5/8" 20 - 32# Accessory blanking dimensions                            |
| M       | 02137  |       | 8-8-90   | SLHC                | 7" Casing coupling w/ left-hand thread, all weights, grade Q-125 & below |
| G       | 01836  | A     | 07/03/00 | SLHC                | 7" Coupling setting standard for all grades                              |
| M       | 03220  |       | 7-27-94  | SLHC                | 7" 23# Special O.D. & special O.D. bevel                                 |
| P       | 02491  | D     | 02/23/05 | SLHC                | 7" 23 - 41# Accessory blanking dimensions                                |
| P       | 02491M | A     | 02/23/05 | SLHC                | 7" 23 - 41# Accessory blanking dimensions (metric)                       |
| M       | 07360  |       | 07/20/09 | SLHC                | 7" 26# SPECIAL CLEARANCE O.D. & SPECIAL OD BEVEL                         |
| M       | 04236  |       | 5-2-97   | SLHC                | 7" 29# Coupling special O.D. bevel                                       |
| M       | 01971  | B     | 06/02/06 | SLHC                | 7" 29 - 41# Special clearance O.D. & special O.D. bevel                  |
| M       | 02330  | C     | 7-3-97   | SLHC                | 7 5/8" connectors on 7 3/4" pipe Pullout & bore detail                   |
| I       | 01114  | A     | 1-22-90  | SLHC                | 7 5/8" Coupling gage setting information all weights and grades          |
| G       | 01838  | B     | 07/03/00 | SLHC                | 7 5/8" Coupling setting standard for all grades                          |
| G       | 01565  |       | 5-23-89  | SLHC                | 7 5/8" Box setting standard (cone method)                                |
| P       | 03014  | A     | 3-19-97  | SLHC                | 7 5/8" 26.40 - 39# Accessory blanking dimensions                         |
| M       | 03945  |       | 7-18-96  | SLHC                | 7 5/8" 39# Optional pin I.D. chamfer                                     |
| P       | 03756  | A     | 05/23/06 | SLHC                | 7 5/8" 42.80 - 59.20# Accessory blanking dimensions                      |
| M       | 02126  |       | 7-13-90  | SLHC                | 7 5/8" 45.30# Special clearance O.D. & special O.D. bevel                |
| P       | 09249  |       | 03/08/16 | SLHC                | 7 3/4" 46.10# ACCESSORY BLANKING DIMENSIONS                              |
| P       | 03341  |       | 2-3-95   | SLHC                | 8 5/8" 32 - 49# Accessory blanking dimensions                            |
| P       | 02492  | E     | 3-19-97  | SLHC                | 9 5/8" Accessory blanking dimensions connection profile                  |
| P       | 02492M |       | 8/10/00  | SLHC                | 9 5/8" Accessory blanking dimensions connection profile (metric)         |
| M       | 02782  |       | 1-12-93  | SLHC                | 9 5/8" 40# Box for cement lined applications                             |
| P       | 01667  | B     | 12-8-92  | SLHC                | 9 5/8" Box thread protector modified for cement lined casing application |
| M       | 03726  | A     | 10-26-96 | SLHC                | 9 5/8" connectors on 9 7/8" pipe Pullout detail                          |
| I       | 01130  | A     | 1-22-90  | SLHC                | 9 5/8" Coupling gage setting information all weights and grades          |

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| P       | 01673 | B     | 12-8-92  | SLHC                | 9 5/8" Pin thread protector modified for cement lined casing application   |
| M       | 05041 |       | 04/07/99 | SLHC                | 9 5/8" Q-125 & above coupling (for 9 7/8" pipe)                            |
| A       | 08034 |       | 09/28/12 | SLHC                | 9 5/8" INTERNAL TOOL GUIDE   |
| M       | 02762 | A     | 1-13-93  | SLHC                | 9 5/8" 40# Pin cement lined applications- field end                        |
| M       | 02783 |       | 1-13-93  | SLHC                | 9 5/8" 40# Pin cement lined applications- mill end                         |
| M       | 04802 |       | 7-10-98  | SLHC                | 9 5/8" 53.50 coupling Special O.D Bevel                                    |
| M       | 04291 |       | 06/23/97 | SLHC                | 9 5/8" 53.50# (w/10.125" OD) (Chevron PNG) Spec. clear. Cplg.              |
| M       | 04057 | A     | 6-9-98   | SLHC                | 9 5/8" 53.50# Coupling for 140 KSI grade material                          |
| M       | 05112 |       | 6/24/99  | SLHC                | 9 5/8" 53.50# SPEC. CLEAR. CPLG W/ 10.405" OD                              |
| M       | 05250 |       | 10/7/99  | SLHC                | 9 5/8" 53.50# SPEC. O.D. BEVEL CPLG. (CHEVRON USA G.O.M)                   |
| M       | 02519 |       | 12-3-91  | SLHC                | 9 5/8" 53.50# Special O.D. bevel (Hunt Order)                              |
| A       | 04870 | A     | 10/14/98 | SLHC                | 9 5/8" 53.50# X 10 3/4" 65.70# PIN X PIN (Conoco) Crossover                |
| M       | 02083 | A     | 5-15-90  | SLHC                | 9 5/8" 71.60# Pin bore detail  |
| M       | 03295 | A     | 10-26-96 | SLHC                | 9 3/4" connectors on 9 7/8" pipe Pullout detail                            |
| M       | 05070 |       | 04/30/99 | SLHC                | 9 7/8" 62.80# SPECIAL OD BEVEL FOR COUPLING                                |
| P       | 03298 | A     | 2-8-95   | SLHC                | 10 3/4" Accessory blanking dimensions connection profile                   |
| P       | 01743 |       | 10-31-89 | SLHC                | 10 3/4" Box thread protector modified for cement lined casing application  |
| P       | 01744 |       | 10-31-89 | SLHC                | 10 3/4" Pin thread protector modified for cement lined casing application  |
| M       | 01094 | A     | 1-25-90  | SLHC                | 10 3/4" Pin x 9 5/8" sumitomo box crossover sub                            |
| A       | 09358 |       | 03/17/17 | SLHC                | 10 3/4" 45.50# INTERNAL TOOL GUIDE   |
| M       | 04181 |       | 3-6-97   | SLHC                | 10 3/4" 65.70# Special clearance O.D. & special O.D. bevel                 |
| M       | 04126 |       | 1-31-97  | SLHC                | 10 3/4" 71.10# Pin bore detail   |
| P       | 03336 | B     | 11-5-98  | SLHC                | 11 3/4" Accessory blanking dimensions connection profile                   |
| M       | 01413 | D     | 10-26-96 | SLHC                | 11 3/4" connector on 11 7/8" pipe Pullout detail                           |
| M       | 04709 |       | 4-14-98  | SLHC                | 11 3/4" 79.00# Pin I.D. chamfer  |
| M       | 04710 |       | 4-14-98  | SLHC                | 11 3/4" 83.00# Pin I.D. chamfer  |
| I       | 01960 |       | 3-27-90  | SLHC                | 11 3/4" - 13 5/8" Casing box mic-trac block offsets & riser block settings |
| M       | 01222 | E     | 11-5-98  | SLHC                | 11 3/4" - 13 5/8" Casing coupling all weights, grade Q-125 and below       |
| G       | 02590 |       | 3-30-92  | SLHC                | 11 3/4" - 13 5/8" External taper blocks for Gagemaker setbar setting       |
| G       | 02591 |       | 3-30-92  | SLHC                | 11 3/4" - 13 5/8" Internal taper blocks for Gagemaker setbar setting       |
| P       | 03335 | C     | 01/12/17 | SLHC                | 13 3/8" ACCESSORY BLANKING DIMENSIONS CONNECTION PROFILE                   |
| P       | 01818 | A     | 2-16-95  | SLHC                | 13 3/8" Box thread protector modified for cement lined casing application  |
| M       | 02340 | B     | 10-26-96 | SLHC                | 13 3/8" connector on 13 5/8" pipe Pullout detail                           |
| P       | 01819 | A     | 2-16-95  | SLHC                | 13 3/8" Pin spin cap modified for cement lined casing application          |
| A       | 09092 |       | 11/25/14 | SLHC                | 13 3/8" INTERNAL TOOL GUIDE  |
| A       | 07186 |       | 04/23/08 | SLHC                | 13 3/8" 68# Pin x NC50 (4 1/2" IF) Box Circulating Swedge                  |
| P       | 07999 |       | 07/12/12 | SLHC                | 13 5/8" ACCESSORY BLANKING DIMENSIONS                                      |
| P       | 02228 | A     | 10-3-94  | SLHC                | Plastic coating specification  |
| A       | 01957 |       | 3-22-90  | SLHC                | Stabbing guide insert  |



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| Dwg Int | Dwg #  | Rev # | Date     | Product Abreviation | Description  |
|---------|--------|-------|----------|---------------------|--|
| G       | 06879  |       | 04/24/06 | SLHC, SLGS          | 4 1/2" 11.60 - 15.10# BOX SETTING STANDARD - EDM FRAME STYLE                     |
| G       | 06878  |       | 04/24/06 | SLHC, SLGS          | 4 1/2" 11.60 - 15.10# PIN SETTING STANDARD - EDM FRAME STYLE                     |
| G       | 05475  |       | 01/16/00 | SLHC, SLGS          | 5 1/2" 15.50 - 23# BOX SETTING STANDARD - EDM FRAME STYLE                        |
| G       | 05474  |       | 01/16/00 | SLHC, SLGS          | 5 1/2" 15.50 - 23# PIN SETTING STANDARD - EDM FRAME STYLE                        |
| A       | 02943  | A     | 3-27-97  | SLHC, SLGS          | 6 5/8" - 9 5/8" Lift plug  |
| A       | 02943M |       | 08/10/00 | SLHC, SLGS          | 6 5/8" - 9 5/8" Lift plug (metric)   |
| I       | 07556  |       | 09/20/10 | SLHC, SLGS          | 7" Pin & box gage setting dimensions for rod style standards                     |
| G       | 05477  |       | 01/16/00 | SLHC, SLGS          | 7" 23 - 38# BOX SETTING STANDARD - EDM FRAME STYLE                               |
| G       | 05476  |       | 06/16/00 | SLHC, SLGS          | 7" 23 - 38# PIN SETTING STANDARD - EDM FRAME STYLE                               |
| M       | 03395  |       | 4-19-95  | SLHC, SLGS          | 7 5/8" Special clearance O.D. & special O.D. bevel                               |
| M       | 02092  | D     | 06/23/11 | SLHC, SLGS          | 7 5/8" 42.80 - 59.20# Casing pin connector grade Q-125 and below                 |
| I       | 07406  |       | 11/06/09 | SLHC, SLGS          | 7 3/4" PIN & BOX GAGE SET. DIMS. FOR ROD STYLE STDS.                             |
| G       | 07407  |       | 11/06/09 | SLHC, SLGS          | 7 3/4" 46.10# PIN SETTING STANDARD - EDM FRAME STYLE                             |
| G       | 07408  |       | 11/06/09 | SLHC, SLGS          | 7 3/4" 46.10# BOX SETTING STANDARD - EDM FRAME STYLE                             |
| G       | 01080  | C     | 07/03/00 | SLHC, SLGS          | 8 5/8" Coupling setting standard for all grades                                  |
| G       | 05479  |       | 06/19/00 | SLHC, SLGS          | 9 5/8" 36 - 53.50# BOX SETTING STANDARD - EDM FRAME STYLE                        |
| G       | 05478  |       | 06/19/00 | SLHC, SLGS          | 9 5/8" 36 - 53.50# PIN SETTING STANDARD - EDM FRAME STYLE                        |
| I       | 07211  |       | 07/09/08 | SLHC, SLGS          | 13 3/8" pin & box setting dimensions for rod style standards                     |
| G       | 07494  |       | 07/07/10 | SLHC, SLGS          | 13 3/8" ALL WEIGHTS BOX SETTING STD. - EDM FRAME STYLE                           |
| G       | 07493  |       | 07/07/10 | SLHC, SLGS          | 13 3/8" ALL WEIGHTS PIN SETTING STD. - EDM FRAME STYLE                           |
| M       | 06346  |       | 08/12/03 | SLHC, SLSF          | 7 5/8" SL-HC PIN (ON 7 3/4" 46.10# TUBE) X 10 1/8" 79.22# SLSF BOX CROSSOVER SUB |
| G       | 00110  | C     | 11-13-89 | SLHDLI              | 2 3/8" Coupling setting standard for all grades                                  |
| G       | 00109  | B     | 11-9-89  | SLHDLI              | 2 3/8" Pin setting standard for all grades                                       |
| M       | 01340  | D     | 02/20/03 | SLHDLI              | 2 3/8" - 4 1/2" Accessory box all weights, grades P-105 and below                |
| M       | 01002  | D     | 02/20/03 | SLHDLI              | 2 3/8" - 4 1/2" Coupling all weights, grades P-105 and below                     |
| A       | 00833  | A     | 2-2-90   | SLHDLI              | 2 3/8" - 4 1/2" Coupling coating mask  |
| P       | 00757  | B     | 02/20/03 | SLHDLI              | 2 3/8" - 4 1/2" Pin and Box accessory blanking dimensions                        |
| A       | 00688  | B     | 1-30-90  | SLHDLI              | 2 3/8" - 4 1/2" Pin coating mask   |
| M       | 01001  | C     | 9-30-94  | SLHDLI              | 2 3/8" - 4 1/2" Pin connector, all grades  |
| I       | 01000  | B     | 1-31-90  | SLHDLI              | 2 3/8" - 4 1/2" Pin gage setting dimensions                                      |
| I       | 01647  |       | 9-11-89  | SLHDLI              | 2 3/8" - 4 1/2" Pin mic-trac taper block offsets                                 |
| M       | 00766  | C     | 10-28-91 | SLHDLI              | 2 3/8" - 4 1/2" Special O.D. bevels for dual clearance couplings                 |
| I       | 01569  |       | 8-10-89  | SLHDLI              | 2 3/8" - 4 1/2" Tubing box mic-trac block offsets & riser block settings         |
| I       | 01597  |       | 7-6-89   | SLHDLI              | 2 7/8" Box depth setting dimensions  |
| I       | 01596  |       | 7-6-89   | SLHDLI              | 2 7/8" Box gage offsets  |
| M       | 02088  | A     | 10-25-91 | SLHDLI              | 2 7/8" Coupling all weights, grades P-105 and below                              |
| G       | 00064  | C     | 11-13-89 | SLHDLI              | 2 7/8" Coupling setting standard for all grades                                  |
| G       | 00063  | E     | 11-14-89 | SLHDLI              | 2 7/8" Pin setting standard for all grades                                       |
| M       | 06731  |       | 03/08/05 | SLHDLI              | 2 7/8" 6.40# SPECIAL GROOVED COUPLING  |

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|---------|--------|-------|----------|---------------------|---|
| G       | 00160  | C     | 11-9-89  | SLHDLI              | 3 1/2" Coupling setting standard for all grades                   |
| G       | 00159  | B     | 11-9-89  | SLHDLI              | 3 1/2" Pin setting standard for all grades                        |
| I       | 00630  | A     | 2-1-90   | SLHDLI              | 4 1/2" Coupling gage setting dimensions                           |
| G       | 00659  | C     | 11-13-89 | SLHDLI              | 4 1/2" Coupling setting standard for all grades                   |
| G       | 00658  | B     | 12-20-89 | SLHDLI              | 4 1/2" Pin setting standard for all grades                        |
| G       | 01113  |       | 7-24-88  | SLHDLI              | 4 1/2" 24.60# Coupling setting standard for J, L & N grades       |
| G       | 01112  |       | 7-24-88  | SLHDLI              | 4 1/2" 24.60# Pin setting standard for all grades                 |
| I       | 02609  | A     | 1-12-93  | SLHDLI              | 7" - 9 5/8" Box mic-trac block offsets & riser block settings     |
| M       | 02606  | B     | 10-6-94  | SLHDLI              | 7" - 9 5/8" Casing coupling                                       |
| M       | 02605  | A     | 9-30-94  | SLHDLI              | 7" - 9 5/8" Casing pin connector                                  |
| I       | 02608  |       | 4-8-92   | SLHDLI              | 7" - 9 5/8" Pin mic-trac taper block offsets                      |
| I       | 02793  |       | 1-21-93  | SLHDLI              | 8 5/8" Box mic-trac offsets using SL tubing riser blocks          |
| A       | 00580  | B     | 8-22-88  | SLHDLI              | Make-up stencil for HD Lock-It                                    |
| P       | 00654  | B     | 4-25-88  | SLHDLI              | Plastic coating specification connection                          |
| A       | 05463  |       | 05/30/00 | SLHT                | 2" BAKER BOX END SHROUD DETAIL                                    |
| A       | 05462  |       | 05/30/00 | SLHT                | 2" BAKER PIN END SHROUD DETAIL                                    |
| G       | 05423  | A     | 6/26/00  | SLHT                | 2.000" BOX SETTING STANDARDS ALL GRADES                           |
| A       | 05422  |       | 04/24/00 | SLHT                | 2.000" O.D. ACCESSORY BOX   |
| M       | 05421  |       | 04/24/00 | SLHT                | 2.000" O.D. PIN   |
| G       | 05424  | A     | 6/26/00  | SLHT                | 2.000" PIN SETTING STANDARDS ALL GRADES                           |
| I       | 03826  | B     | 05/12/09 | SLHT                | 2" - 7" Pin & box gage setting dimensions for rod style standards |
| A       | 05302  | A     | 03/13/01 | SLHT                | 2 1/16" ACC. BOX (REF SCHLUMBERGER DRAWING NO. 39029-006)         |
| G       | 03809  | B     | 6/26/00  | SLHT                | 2 1/16" Coupling setting standard for all grades                  |
| M       | 05301  | B     | 03/30/05 | SLHT                | 2 1/16" PIN (REF SCHLUMBERGER DRAWING NO. 39029-B03)              |
| G       | 03808  | B     | 6/26/00  | SLHT                | 2 1/16" Pin setting standard for all grades                       |
| A       | 03754  | M     | 02/22/19 | SLHT                | 2.062" - 4.500" ACCESSORY BOX ALL WEIGHTS                         |
| A       | 03754M | C     | 02/22/19 | SLHT                | 2.062" - 4.500" ACCESSORY BOX ALL WEIGHTS (METRIC)                |
| M       | 03450  | G     | 04/15/19 | SLHT                | 2.062" - 4.500" COUPLING ALL WEIGHTS                              |
| M       | 03450M | B     | 04/15/19 | SLHT                | 2.062" - 4.500" COUPLING ALL WEIGHTS (METRIC)                     |
| M       | 03449  | J     | 12/05/07 | SLHT                | 2 1/16" - 4 1/2" Tubing pin connector                             |
| M       | 03449M | B     | 12/06/07 | SLHT                | 2 1/16" - 4 1/2" Tubing pin connector (metric)                    |
| A       | 03511  | A     | 7-9-96   | SLHT                | 2 1/16" - 4 1/2" Box make-up positioner                           |
| A       | 03510  | A     | 7-9-96   | SLHT                | 2 1/16" - 4 1/2" Pin make-up positioner                           |
| A       | 05748  | A     | 08/09/02 | SLHT                | 2.305" ACC. BOX SCHLUMBERGER SUB WITH SETBACK                     |
| G       | 05502  |       | 07/07/00 | SLHT                | 2.305" ACC. BOX SETTING STANDARD ALL GRADES                       |
| A       | 05500  | C     | 08/09/02 | SLHT                | 2.305" O.D. ACC. BOX SUB (not in manual)                          |
| M       | 05499  | C     | 08/26/14 | SLHT                | 2.305" O.D. PIN CONNECTOR SUB (not in manual)                     |
| G       | 05501  |       | 07/07/00 | SLHT                | 2.305" PIN SETTING STANDARD ALL GRADES                            |
| G       | 03797  | B     | 6/26/00  | SLHT                | 2 3/8" Coupling setting standard for all grades                   |

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|---------|-------|-------|----------|---------------------|--|
| G       | 03796 | B     | 6/26/00  | SLHT                | 2 3/8" Pin setting standard for all grades                       |
| A       | 07122 |       | 01/22/08 | SLHT                | 2 3/8" 4.60# SPECIAL LIFT PLUG F/SCHLUMBERGER SCREENS            |
| G       | 03799 | B     | 6/26/00  | SLHT                | 2 7/8" Coupling setting standard for all grades                  |
| G       | 03798 | B     | 6/26/00  | SLHT                | 2 7/8" Pin setting standard for all grades                       |
| A       | 07123 |       | 01/22/08 | SLHT                | 2 7/8" 6.40# SPECIAL LIFT PLUG F/SCHLUMBERGER SCREENS            |
| A       | 05292 | D     | 08/26/14 | SLHT                | 2.688" ACC. BOX SUB  |
| A       | 05459 | C     | 08/09/02 | SLHT                | 2.688" ACC. BOX SCHLUMBERGER SUB WITH SETBACK                    |
| G       | 05294 | A     | 6/26/00  | SLHT                | 2.688" ACC. BOX SETTING STANDARD (Not in Manual)                 |
| M       | 05291 | D     | 08/26/14 | SLHT                | 2.688" PIN SUB (Not in Manual)                                   |
| G       | 05293 | A     | 6/26/00  | SLHT                | 2.688" PIN SETTING STANDARD                                      |
| A       | 05736 | A     | 08/09/02 | SLHT                | 2.872" ACC. BOX SCHLUMBERGER SUB WITH SETBACK                    |
| A       | 05493 | C     | 08/26/14 | SLHT                | 2.872" OD ACC. BOX SUB (Not in Manual)                           |
| M       | 05492 | B     | 08/26/14 | SLHT                | 2.872" OD PIN CONNECTOR SUB (Not in Manual)                      |
| A       | 07256 |       | 11/19/08 | SLHT                | 2.872" OD ACC. BOX SCHLUMBERGER SUB W SPECIAL OD MODIFICATION    |
| A       | 06299 |       | 05/28/03 | SLHT                | 3 1/4" X .250" WALL ACCESSORY BOX                                |
| A       | 06304 |       | 05/28/03 | SLHT                | 3 1/4" X .250" WALL BOX MAKE-UP POSITIONER                       |
| M       | 06298 |       | 05/28/03 | SLHT                | 3 1/4" X .250" WALL COUPLING                                     |
| G       | 06302 |       | 05/28/03 | SLHT                | 3 1/4" X .250" WALL COUPLING SET. STD. FOR ALL GRADES            |
| M       | 06297 | A     | 10/13/10 | SLHT                | 3 1/4" X .250" WALL PIN  |
| A       | 06303 |       | 05/25/03 | SLHT                | 3 1/4" X .250" WALL PIN MAKE-UP POSITIONER                       |
| G       | 06301 |       | 05/28/03 | SLHT                | 3 1/4" X .250" WALL PIN SET. STD. FOR ALL GRADES                 |
| I       | 07463 |       | 04/16/10 | SLHT                | 3 1/4" BOX GAGE SET. DIMS FOR ROD STYLE STDS.                    |
| G       | 03801 | B     | 6/26/00  | SLHT                | 3 1/2" Coupling setting standard for all grades                  |
| G       | 03800 | A     | 6/26/00  | SLHT                | 3 1/2" Pin setting standard for all grades                       |
| A       | 07124 |       | 01/22/08 | SLHT                | 3 1/2" 9.20# SPECIAL LIFT PLUG F/SCHLUMBERGER SCREENS            |
| A       | 05629 |       | 11/29/00 | SLHT                | 3 1/2" 9.20 - 12.70# LIFT PLUG                                   |
| A       | 07276 | A     | 02/25/09 | SLHT                | 3 1/2" 12.70# SL HT PIN x 4 1/2" EXTRA HOLE (NC46) BOX DRIVE SUB |
| A       | 05296 | F     | 03/11/16 | SLHT                | 3.625" ACC. BOX SUB (Not in Manual)                              |
| G       | 05298 | A     | 6/26/00  | SLHT                | 3.625" ACC. BOX SETTING STANDARD                                 |
| A       | 05460 | C     | 05/21/08 | SLHT                | 3.625" O.D. ACC. BOX - SCHLUMBERGER SUB WITH SETBACK             |
| M       | 05295 | G     | 03/11/16 | SLHT                | 3.625" PIN SUB (Not in Manual)                                   |
| G       | 05297 | A     | 6/26/00  | SLHT                | 3.625" PIN SETTING STANDARD                                      |
| A       | 06565 | A     | 08/26/14 | SLHT                | 3.875" ACCESSORY BOX SUB (Not in Manual)                         |
| G       | 06567 |       | 04/05/04 | SLHT                | 3.875" ACCESSORY BOX SETTING STARDARD FOR ALL GRADES             |
| M       | 06564 | A     | 08/26/14 | SLHT                | 3.875" PIN SUB (Not in Manual)                                   |
| G       | 06566 |       | 04/05/04 | SLHT                | 3.875" PIN SETTING STARDARD FOR ALL GRADES                       |
| G       | 03780 | B     | 6/26/00  | SLHT                | 4" Coupling setting standard for all grades                      |
| G       | 03779 | A     | 6/26/00  | SLHT                | 4" Pin setting standard for all grades                           |
| A       | 05864 | B     | 04/20/16 | SLHT                | 4" 9.50# SPECIAL LIFT PLUG                                       |

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|---------|--------|-------|----------|---------------------|---|
| A       | 07283  |       | 02/18/09 | SLHT                | 4" 11# SPECIAL O.D. MOD. FOR ACC. BOX SCHLUMBERGER SUB          |
| A       | 07275  | A     | 07/16/13 | SLHT                | 4" 11.60# SPECIAL HANDLING PLUG FOR SCHLUMBERGER SCREENS        |
| BC      | 0010   |       | 05/28/14 | SLHT                | 4" 11.60# BOX BULL CAP  |
| A       | 05737  | A     | 08/09/02 | SLHT                | 4.124" ACC. BOX SCHLUMBERGER SUB WITH SETBACK                   |
| G       | 05506  |       | 7/7/00   | SLHT                | 4.124" ACC. BOX SETTING STANDARD ALL GRADES                     |
| A       | 05504  | C     | 08/26/14 | SLHT                | 4.124" OD ACC. BOX SUB DRAWING (Not in Manual)                  |
| M       | 05503  | B     | 08/26/14 | SLHT                | 4.124" OD PIN CONNECTOR SUB (Not in Manual)                     |
| G       | 05505  |       | 7/7/00   | SLHT                | 4.124" PIN SETTING STANDARD ALL GRADES                          |
| I       | 07029  |       | 06/05/07 | SLHT                | 4 1/2" SL HT SAVER SUB - GAGE SET. DIM. FOR ROD STYLE STANDARDS |
| G       | 03803  | B     | 6/26/00  | SLHT                | 4 1/2" Coupling setting standard for all grades                 |
| G       | 03802  | A     | 6/26/00  | SLHT                | 4 1/2" Pin setting standard for all grades                      |
| A       | 07686  |       | 03/08/11 | SLHT                | 4 1/2" INTERNAL TOOL GUIDE                                      |
| A       | 04547  | A     | 11-01-99 | SLHT                | 4 1/2" 10.50 - 15.10# Lift plug                                 |
| A       | 05862  |       | 12/17/01 | SLHT                | 4 1/2" 12.60# SPECIAL LIFT PLUG FOR SCHLUMBERGER SCREENS        |
| A       | 07028  |       | 06/05/07 | SLHT                | 4 1/2" 12.60# & LIGHTER SL HT PIN x NC 40 BOX SAVER SUB         |
| M       | 06380  |       | 09/16/03 | SLHT                | 4 1/2" 15.10# SLHT PIN W/ SP. I.D. CHAMFER F/ 13.50# ACC. BOX   |
| A       | 06381  |       | 09/16/03 | SLHT                | 4 1/2" 15.10# W/ SP. ID. CHAMFER F/ 13.50# PIPE SLHT ACC. BOX   |
| A       | 06846  |       | 12/05/05 | SLHT                | 4 1/2" 17# CASING LIFT PLUG                                     |
| G       | 03782  | B     | 6/26/00  | SLHT                | 5" Coupling setting standard for all grades                     |
| G       | 03781  | A     | 6/26/00  | SLHT                | 5" Pin setting standard for all grades                          |
| M       | 07090  |       | 10/19/07 | SLHT                | 5" 15# SL HT PIN X 4 1/2" IF BOX CROSSOVER SUB                  |
| A       | 07665  | C     | 04/20/16 | SLHT                | 5" 18# SL HT SPECIAL LIFT PLUG                                  |
| G       | 05488  |       | 06/26/00 | SLHT                | 5" 15 - 23.20# BOX SETTING STANDARD - EDM FRAME STYLE           |
| G       | 05487  |       | 06/26/00 | SLHT                | 5" 15 - 23.20# PIN SETTING STANDARD - EDM FRAME STYLE           |
| A       | 07613  |       | 01/06/11 | SLHT                | 5" 15 - 23.20# LIFT PLUG  |
| M       | 06382  |       | 09/16/03 | SLHT                | 5" 18# SLHT PIN SP. ID CHAMFER F/ 15# ACC. BOX                  |
| A       | 06383  |       | 09/16/03 | SLHT                | 5" 18# W/ SP. ID CHAMFER F/ 15# PIPE SLHT ACC. BOX              |
| A       | 07777  |       | 06/14/11 | SLHT                | 5" 18# & ABOVE INTERNAL TOOL GUIDE                              |
| A       | 03755  | F     | 02/22/19 | SLHT                | 5.000" - 7.000" ACCESSORY BOX ALL WEIGHTS                       |
| A       | 03755M | C     | 02/22/19 | SLHT                | 5.000" - 7.000" ACCESSORY BOX ALL WEIGHTS ( METRIC)             |
| A       | 03513  | A     | 5-22-96  | SLHT                | 5" - 7" Box make-up positioner                                  |
| M       | 03456  | I     | 04/15/19 | SLHT                | 5.000" - 7.000" COUPLING ALL WEIGHTS                            |
| M       | 03456M | D     | 04/15/19 | SLHT                | 5.000" - 7.000" COUPLING ALL WEIGHTS (METRIC)                   |
| M       | 03455  | H     | 10/05/06 | SLHT                | 5" - 7" Casing pin connector                                    |
| M       | 03455M | B     | 10/05/06 | SLHT                | 5" - 7" Casing pin connector (metric)                           |
| A       | 03512  | A     | 5-22-96  | SLHT                | 5" - 7" Pin make-up positioner                                  |
| A       | 05738  | B     | 07/30/04 | SLHT                | 5.495" ACC. BOX SCHLUMBERGER SUB WITH SETBACK                   |
| A       | 05496  | E     | 02/12/16 | SLHT                | 5.495" 20.22 - 24.80# ACCESSORY BOX SUB (Not in Manual)         |
| M       | 05495  | E     | 02/12/16 | SLHT                | 5.495" 20.22 - 24.80# PIN CONNECTOR SUB (Not in Manual)         |

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|---------|-------|-------|----------|---------------------|--|
| G       | 03805 | B     | 6/26/00  | SLHT                | 5 1/2" Coupling setting standard for all grades                    |
| G       | 03804 | A     | 6/26/00  | SLHT                | 5 1/2" Pin setting standard for all grades                         |
| A       | 07687 |       | 03/08/11 | SLHT                | 5 1/2" INTERNAL TOOL GUIDE   |
| G       | 05471 |       | 06/15/00 | SLHT                | 5 1/2" 15.50 - 28.40# BOX SETTING STANDARD - EDM FRAME STYLE       |
| A       | 04890 |       | 10/07/98 | SLHT                | 5 1/2" 15.50 - 28.40# LIFT PLUG                                    |
| G       | 05470 |       | 06/15/00 | SLHT                | 5 1/2" 15.50 - 28.40# PIN SETTING STANDARD - EDM FRAME STYLE       |
| A       | 07357 | A     | 07/21/09 | SLHT                | 5 1/2" 15.50 - 28.40# EXTENDED LIFT PLUG FOR SCHLUMBERGER          |
| A       | 07251 |       | 11/06/08 | SLHT                | 5 1/2" 17# SL HT ACC. BOX W/ SPECIAL I.D. BORE FOR SCHLUMBERGER    |
| A       | 07278 |       | 02/12/09 | SLHT                | 5 1/2" 17# accessory pin face detail for schlumberger              |
| A       | 07125 | A     | 07/24/13 | SLHT                | 5 1/2" 17# & 20# SPECIAL HANDLING PLUG F/SCHLUMBERGER SCREENS      |
| A       | 06851 |       | 01/26/06 | SLHT                | 5 1/2" 20# PIN X BOX ANADARKO SCREEN SUB                           |
| A       | 09634 | A     | 11/05/18 | SLHT                | 5 1/2" 20# LIFTING SUB   |
| A       | 05991 | A     | 09/28/16 | SLHT                | 6" ACCESSORY BOX   |
| A       | 05990 |       | 05/15/02 | SLHT                | 6" BOX MAKE-UP POSITIONER  |
| M       | 05988 |       | 05/15/02 | SLHT                | 6" COUPLING  |
| M       | 05987 |       | 05/15/02 | SLHT                | 6" PIN   |
| A       | 05989 |       | 05/15/02 | SLHT                | 6" PIN MAKE-UP POSITIONER  |
| G       | 05994 |       | 05/15/02 | SLHT                | 6" 18 - 26# BOX SETTING STD - EDM FRAME STYLE                      |
| G       | 05993 |       | 05/15/02 | SLHT                | 6" 18 - 26# PIN SETTING STD - EDM FRAME STYLE                      |
| G       | 03811 | B     | 6/26/00  | SLHT                | 6 5/8" Coupling setting standard for all grades                    |
| G       | 03810 | A     | 6/26/00  | SLHT                | 6 5/8" Pin setting standard for all grades                         |
| A       | 06730 |       | 03/04/05 | SLHT                | 6 5/8" 20 - 32# LIFT PLUG  |
| A       | 08973 | A     | 07/30/14 | SLHT                | 6 5/8" 20 - 32# EXTENDED HANDLING PLUG                             |
| A       | 08974 | A     | 08/08/14 | SLHT                | 6 5/8" 20 - 32# SPECIAL OD EXTENDED HANDLING PLUG                  |
| G       | 05490 | A     | 10/05/06 | SLHT                | 6 5/8" 20 - 56.80# BOX SETTING STANDARD - EDM FRAME STYLE          |
| G       | 05489 | A     | 10/05/06 | SLHT                | 6 5/8" 20 - 56.80# PIN SETTING STANDARD - EDM FRAME STYLE          |
| M       | 06865 |       | 02/17/06 | SLHT                | 6 5/8" 24# SLHT LH PIN x SLHT BOX                                  |
| M       | 06866 |       | 02/17/06 | SLHT                | 6 5/8" 24# SLHT PIN x SLHT LH BOX                                  |
| A       | 07088 |       | 10/12/07 | SLHT                | 6 5/8" 24 - 32# LOW TORQUE, LOW PRESSURE TEST/LIFT SUB PIN         |
| P       | 07089 |       | 10/12/07 | SLHT                | 6 5/8" 24 - 32# LOW TORQUE LOW PRESSURE TEST/LIFT SUB PIN ASSEMBLY |
| I       | 06754 |       | 05/18/05 | SLHT                | 7" SEAL-LOCK HT SAVER SUB GAGE SET. DIM. FOR ROD STYLE STANDARDS   |
| G       | 03807 | B     | 6/26/00  | SLHT                | 7" Coupling setting standard for all grades                        |
| A       | 04955 |       | 12/09/98 | SLHT                | 7" LIFT PLUG/TORQUE TOOL FOR MAKE-UP W/ TOP DRIVE UNITS            |
| M       | 04432 |       | 9-12-97  | SLHT                | 7" Pin I.D. chamfer for special drift casing                       |
| G       | 03806 | A     | 6/26/00  | SLHT                | 7" Pin setting standard for all grades                             |
| M       | 07154 |       | 02/21/08 | SLHT                | 7" 23# PIN W/ SPECIAL PIN BORE                                     |
| G       | 05473 |       | 06/16/00 | SLHT                | 7" 23 - 38# BOX SETTING STANDARD - EDM FRAME STYLE                 |
| G       | 05472 |       | 06/16/00 | SLHT                | 7" 23 - 38# PIN SETTING STANDARD - EDM FRAME STYLE                 |
| M       | 04571 |       | 12-22-97 | SLHT                | 7" 26# Box by box protector coupling                               |

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|---------|--------|-------|----------|-----------------------------|---|
| A       | 06615  | B     | 08/19/04 | SLHT                        | 7" 26# SL HT PIN X 4" BLANK DOUBLE PIN SUB FOR BAKER OIL TOOLS                              |
| A       | 06750  |       | 05/18/05 | SLHT                        | 7" 29# SL-HT PIN X 4 1/2" IF BOX SAVER SUB  |
| M       | 06508  |       | 02/05/04 | SLHT                        | 7" 29# SL HT PIN X 5 1/2" 20# SL HT PIN CROSSOVER SUB                                       |
| A       | 03514  | C     | 07/31/03 | SLHT                        | Make-up positioner assembly & scribe line location for tubing & casing                      |
| M       | 06504  |       | 02/05/04 | SLHT / API BUTTRESS         | 5 1/2" 20# SL HT BOX X 7" 29# API BUTTRESS PIN CROSSOVER                                    |
| M       | 06505  |       | 02/05/04 | SLHT / API BUTTRESS         | 5 1/2" 20# SL HT PIN X 7" 29# API BUTTRESS PIN CROSSOVER                                    |
| M       | 06385  |       | 09/23/03 | SLHT / API BUTTRESS         | 6 5/8" 24# SL HT BOX X 7" API BUTTRESS PIN CROSSOVER  |
| M       | 06384  |       | 09/23/03 | SLHT / API BUTTRESS         | 6 5/8" 24# SL HT PIN X 7" API BUTTRESS PIN CROSSOVER  |
| M       | 06506  |       | 02/05/04 | SLHT / API BUTTRESS         | 7" 29# SL HT PIN X 5 1/2" 20# API BUTTRESS BOX CROSSOVER                                    |
| M       | 06507  |       | 02/05/04 | SLHT / API BUTTRESS         | 7" 29# SL HT PIN X 5 1/2" 20# API BUTTRESS PIN CROSSOVER                                    |
| P       | 04435  |       | 09/17/97 | SLHT, SLBOSS                | Plastic coating specification   |
| M       | 09646  |       | 12/11/18 | SLHT, SLHT-S & SLHT-S TIMED | 2.062" - 7.000" ALL WEIGHTS SPECIAL CLEARANCE   |
| M       | 09646M |       | 12/11/18 | SLHT, SLHT-S & SLHT-S TIMED | 2.062" - 7.000" ALL WEIGHTS SPECIAL CLEARANCE (METRIC)                                      |
| M       | 05012  | K     | 04/15/19 | SLHT-S & SLHT-S TIMED       | 2.062" - 4.500" COUPLING ALL WEIGHTS  |
| M       | 05028  | H     | 04/15/19 | SLHT-S & SLHT-S TIMED       | 5.000" - 7.000" COUPLING ALL WEIGHTS  |
| A       | 05014  | E     | 11/05/02 | SLHT-S TIMED                | 2 1/16" - 4 1/2" BOX MASTER MAKE-UP POSITIONER  |
| A       | 05013  | E     | 11/05/02 | SLHT-S TIMED                | 2 1/16" - 4 1/2" PIN MASTER MAKE-UP POSITIONER  |
| A       | 05918  | C     | 11/06/02 | SLHT-S TIMED                | 2 1/16" - 4 1/2" WORKING MAKE-UP POSITIONER - BOX   |
| A       | 05919  | C     | 11/06/02 | SLHT-S TIMED                | 2 1/16" - 4 1/2" WORKING MAKE-UP POSITIONER - PIN   |
| A       | 05871  | A     | 05/13/02 | SLHT-S TIMED                | 2 3/8" 4.60# FIT UP COUPLING  |
| A       | 05869  | A     | 05/13/02 | SLHT-S TIMED                | 2 7/8" 6.40# FIT UP COUPLING  |
| M       | 06729  | A     | 03/11/05 | SLHT-S TIMED                | 3 1/2" 9.20# 13cr-80 X 19' LONG, EXTENDED LENGTH COUPLING                                   |
| A       | 05872  | A     | 05/13/02 | SLHT-S TIMED                | 3 1/2" 9.20# FIT UP COUPLING  |
| A       | 05104  | A     | 06/08/99 | SLHT-S TIMED                | 4" x 5 1/2" Timed Crossover Sub for US Filter/Johnson Screen                                |
| A       | 07876  |       | 10/11/11 | SLHT-S TIMED                | 5" 15# TO 5" 18# TRANSITION COUPLING  |
| A       | 05870  | A     | 05/13/02 | SLHT-S TIMED                | 5" 18# FIT UP COUPLING  |
| A       | 05030  | D     | 11/05/02 | SLHT-S TIMED                | 5" - 7" BOX MASTER MAKE-UP POSITIONER   |
| A       | 05029  | D     | 11/05/02 | SLHT-S TIMED                | 5" - 7" PIN MASTER MAKE-UP POSITIONER   |
| A       | 05920  | C     | 11/06/02 | SLHT-S TIMED                | 5" - 7" WORKING MAKE-UP POSITIONER - BOX  |
| A       | 05921  | D     | 11/06/02 | SLHT-S TIMED                | 5" - 7" WORKING MAKE-UP POSITIONER - PIN  |
| A       | 05986  |       | 05/07/02 | SLHT-S TIMED                | 5 1/2" 17# FIT UP COUPLING  |
| A       | 05916  |       | 02/14/02 | SLHT-S TIMED                | MASTER MAKE-UP POSITIONER ASSEMBLY & SCRIBE LINE LOCATION FOR CASING & TUBING               |
| A       | 05015  | C     | 02/14/02 | SLHT-S TIMED                | Working Make-up positioner assembly & scribe line location for SLHT-S timed tubing & casing |
| M       | 04942  | B     | 04/15/19 | SLHT-SR                     | 5.000" - 7.000" COUPLING ALL WEIGHTS  |
| M       | 04943  |       | 12/01/98 | SLHT-SR                     | 5" - 7" PIN   |
| P       | 04944  |       | 12/01/98 | SLHT-SR                     | 5" - 7" SEAL RING   |
| A       | 04960  |       | 12/21/98 | SLHT-SR, SLHT-SRS           | 5" - 7" PIN COATING MASK, CLOSED END  |
| A       | 04959  |       | 12/21/98 | SLHT-SR, SLHT-SRS           | 5" - 7" PIN COATING MASK, OPEN END  |
| P       | 04952  |       | 12/04/98 | SLHT-SR, SLHT-SRS           | 5" - 7" PLASTIC COATING SPECIFICATION   |

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|---------|-------|-------|----------|---------------------|--|
| A       | 04953 |       | 12/04/98 | SLHT-SRS            | 5" - 7" COATING MASK   |
| M       | 04946 | B     | 04/15/19 | SLHT-SRS            | 5.000" - 7.000" COUPLING ALL WEIGHTS                                 |
| M       | 02684 |       | 8-6-92   | SLIJHC              | 10 5/8" 104.08# Box connector  |
| M       | 02683 |       | 8-6-92   | SLIJHC              | 10 5/8" 104.08# Pin connector  |
| I       | 00470 | D     | 07/29/08 | SLLI6               | 2 3/8 4.60# Pin gage setting information                             |
| I       | 00589 | B     | 05/29/08 | SLLI6               | 2 3/8" 4.60# Coupling gage setting for grade P-105 only              |
| G       | 00510 | B     | 05/29/08 | SLLI6               | 2 3/8" 4.60# Coupling setting standard for J, L & N grades           |
| G       | 00632 | B     | 05/29/08 | SLLI6               | 2 3/8" 4.60# Coupling setting standard for P-105                     |
| G       | 00509 | A     | 07/29/08 | SLLI6               | 2 3/8" 4.60# Pin setting standard                                    |
| M       | 01337 | G     | 12/17/08 | SLLI6               | 2 3/8" - 3 1/2" Accessory box, grade P-105 and below                 |
| A       | 00645 | B     | 05/29/08 | SLLI6               | 2 3/8" - 3 1/2" Coupling coating mask                                |
| M       | 00994 | G     | 12/17/08 | SLLI6               | 2 3/8" - 3 1/2" Coupling, grade P-105 and below                      |
| P       | 01010 | D     | 05/29/08 | SLLI6               | 2 3/8" - 3 1/2" Pin and box accessory blanking dimensions            |
| M       | 00993 | D     | 2-15-94  | SLLI6               | 2 3/8" - 3 1/2" Pin connector, all grades                            |
| A       | 00644 | D     | 05/29/08 | SLLI6               | 2 3/8" - 3 1/2" Pins coating mask                                    |
| M       | 00995 | D     | 07/29/08 | SLLI6               | 2 3/8" - 3 1/2" Special O.D. bevels for dual clearance couplings     |
| M       | 00999 | C     | 07/29/08 | SLLI6               | 2 3/8" - 3 1/2" Special O.D. bevels for work string couplings        |
| G       | 00481 | C     | 07/29/08 | SLLI6               | 2 7/8" - 6.40# Coupling setting standard for J, L & N grades         |
| G       | 00480 | B     | 07/29/08 | SLLI6               | 2 7/8" - 6.40# Pin setting standard                                  |
| I       | 00587 | B     | 05/29/08 | SLLI6               | 2 7/8" 6.40# Coupling gage setting for grade P-105 only              |
| G       | 00633 | B     | 05/29/08 | SLLI6               | 2 7/8" 6.40# Coupling setting standard for P-105                     |
| I       | 00474 | C     | 07/29/08 | SLLI6               | 3 1/2" 9.20# Pin gage setting information                            |
| G       | 00512 | B     | 05/29/08 | SLLI6               | 3 1/2" 9.20# Coupling setting standard for J, L & N grades           |
| G       | 00634 | B     | 05/29/08 | SLLI6               | 3 1/2" 9.20# Coupling setting standard for P-105                     |
| G       | 00511 | B     | 05/29/08 | SLLI6               | 3 1/2" 9.20# Pin setting standard                                    |
| P       | 00479 | E     | 07/29/08 | SLLI6               | Plastic coating specification Lock-It tubing connection              |
| P       | 01835 | B     | 07/29/08 | SLLI6 / SLLI8       | 2 3/8" coating requirements for bi-metallic application              |
| P       | 01910 | C     | 3-19-97  | SLLI8               | 1 1/2" - 3 1/2" Pin and Box accessory blanking dimensions            |
| M       | 01165 | F     | 10/09/07 | SLLI8               | 1 1/2" (1.900) 2.90# - 4.19# Coupling (all grades)                   |
| G       | 02293 |       | 4-26-91  | SLLI8               | 1 1/2" 2.90 - 4.19# Box setting standard for J, L & N grades         |
| G       | 02292 |       | 4-26-91  | SLLI8               | 1 1/2" 2.90 - 4.19# Pin setting standard for all grades              |
| M       | 01164 | B     | 3-27-97  | SLLI8               | 1 1/2" 2.90# - 4.19# Pin connector (all grades)                      |
| I       | 01430 |       | 2-1-89   | SLLI8               | 1 1/2"- 2.90# Coupling gage setting dimensions                       |
| I       | 01429 |       | 2-1-89   | SLLI8               | 1 1/2"- 2.90# Pin gage setting dimensions                            |
| I       | 04757 |       | 06-24-98 | SLLI8               | 2 1/16" (M00585 Threadform) pin gage setting dim.                    |
| I       | 04758 |       | 06-24-98 | SLLI8               | 2 1/16" (M00586 Threadform) coupling gage setting dim.               |
| M       | 03867 | A     | 07/17/02 | SLLI8               | 2 1/16" 3.25 - 4.50# Accessory box                                   |
| M       | 00598 | G     | 07/17/02 | SLLI8               | 2 1/16"- 3.25# & 4.50# Coupling (all grades)                         |
| G       | 01139 |       | 8-9-88   | SLLI8               | 2 1/16"- 3.25# & 4.50# Coupling setting standard for J, L & N grades |

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|---------|-------|-------|----------|---------------------|---|
| M       | 00597 | F     | 9-24-93  | SLLI8               | 2 1/16"- 3.25# & 4.50# Pin connector ( all grades )             |
| G       | 01138 |       | 8-9-88   | SLLI8               | 2 1/16"- 3.25# & 4.50# Pin setting standard for all grades      |
| I       | 01595 | A     | 8-8-89   | SLLI8               | 2 3/8" Coupling gage setting dimensions (M00586 Threadform)     |
| I       | 01594 |       | 7-3-89   | SLLI8               | 2 3/8" Pin gage setting dimensions (M00585 Threadform)          |
| G       | 02735 |       | 10-13-92 | SLLI8               | 2 3/8" Pin setting standard                                     |
| G       | 01717 | A     | 10-2-90  | SLLI8               | 2 3/8" 4.6# Box connectors setting standard                     |
| G       | 01716 |       | 10-25-89 | SLLI8               | 2 3/8" 4.6# Pin connectors setting standard                     |
| M       | 01893 | D     | 07/17/02 | SLLI8               | 2 3/8" - 3 1/2" Accessory box (M00586 THREADFORM)               |
| A       | 01912 | A     | 7-21-92  | SLLI8               | 2 3/8" - 3 1/2" Coupling coating mask                           |
| M       | 02150 | G     | 07/17/02 | SLLI8               | 2 3/8" - 3 1/2" Coupling with M00586 Threadform                 |
| A       | 03006 |       | 10-5-93  | SLLI8               | 2 3/8" - 3 1/2" Lift plug                                       |
| A       | 01911 | A     | 7-21-92  | SLLI8               | 2 3/8" - 3 1/2" Pin coating mask                                |
| M       | 02149 | C     | 11-1-91  | SLLI8               | 2 3/8" - 3 1/2" Pin connector with M00585 Threadform            |
| M       | 02853 |       | 3-9-93   | SLLI8               | 2 3/8" - 3 1/2" Special O.D. bevel for dual clearance couplings |
| I       | 02487 |       | 10-31-91 | SLLI8               | 2 7/8" Pin gage offsets   |
| G       | 02736 |       | 10-13-92 | SLLI8               | 2 7/8" Pin setting standard                                     |
| G       | 02155 |       | 10-1-90  | SLLI8               | 2 7/8" 6.4# Pin connector setting standard                      |
| G       | 02156 |       | 10-1-90  | SLLI8               | 2 7/8" 6.40# Box connector setting standard                     |
| G       | 02737 |       | 10-13-92 | SLLI8               | 3 1/2" Pin setting standard                                     |
| I       | 07261 |       | 12/15/08 | SLLI9               | 3 1/2" PIN & BOX GAGE SET. DIMS. FOR ROD STYLE STANDARDS        |
| G       | 02173 |       | 10-18-90 | SLLI8               | 3 1/2" 9.20# Box connector setting standard                     |
| G       | 02172 |       | 10-18-90 | SLLI8               | 3 1/2" 9.20# Pin connector setting standard                     |
| M       | 02368 |       | 8-13-91  | SLLI8               | 5" Coupling with M00586 Threadform                              |
| M       | 02367 |       | 8-13-91  | SLLI8               | 5" 15.# Pin connector with M00585 Threadform                    |
| M       | 02220 | A     | 4-4-91   | SLLI8               | 5 1/2" Coupling with M00586 Threadform                          |
| G       | 02224 |       | 1-15-91  | SLLI8               | 5 1/2" 15.50# Coupling setting standard                         |
| M       | 02219 | A     | 3-20-91  | SLLI8               | 5 1/2" 15.50# Pin connector with M00585 Threadform              |
| G       | 02223 |       | 1-15-91  | SLLI8               | 5 1/2" 15.50# Pin setting standard                              |
| M       | 01883 |       | 1-5-90   | SLLI8               | 8 5/8" Coupling (M00586 Threadform)                             |
| M       | 01882 |       | 1-5-90   | SLLI8               | 8 5/8" Pin connector (M00585 Threadform)                        |
| M       | 02941 |       | 6-17-93  | SLLI8               | Optional Make-up line dimensions for all sizes                  |
| P       | 01913 |       | 1-25-90  | SLLI8               | Plastic coating specification tubing connection                 |
| M       | 01643 | F     | 8-11-95  | SLMHC               | 7" Casing pin connector weights as charted, all grades          |
| M       | 01644 | E     | 8-11-95  | SLMHC               | 7" 23 - 38# Casing coupling                                     |
| M       | 01642 | B     | 12-27-89 | SLMHC               | 13 3/8" 72# Casing coupling                                     |
| M       | 01641 |       | 9-1-89   | SLMHC               | 13 3/8" 72# Casing pin connector all grades                     |
| A       | 00834 | A     | 1-25-90  | SLPC                | 2 3/8" - 3 1/2" box coating mask                                |
| M       | 01067 | A     | 9-25-89  | SLPC                | 2 3/8" - 3 1/2" Coupling all weights, grade P-105 and below     |
| P       | 00699 | C     | 7-14-92  | SLPC                | 2 3/8" - 3 1/2" pin and box accessory blanking dimensions       |



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|---------|-------|-------|----------|---------------------|---|
| M       | 01072 | A     | 3-17-89  | SLPC                | 2 3/8" - 3 1/2" Special O.D. bevel info. for dual clearance cplgs       |
| M       | 02057 |       | 4-24-90  | SLPC                | 2 3/8" - 3 1/2" Special O.D. bevel option for box accessories           |
| M       | 00603 | H     | 7-14-92  | SLPC                | 2 3/8" - 3 1/2" tubing accessory box all weights, grade P-105 and below |
| M       | 06416 |       | 10/30/03 | SLPC                | 4 1/2" 12.75# pin   |
| A       | 02196 | B     | 10/27/03 | SLPC                | 4 1/2" - 5 1/2" Coating mask  |
| M       | 02188 | E     | 10/27/03 | SLPC                | 4 1/2" - 10 3/4" Accessory box all weights                              |
| M       | 02186 | D     | 10/27/03 | SLPC                | 4 1/2" - 10 3/4" Casing coupling all weights & grades                   |
| A       | 02195 | C     | 10/27/03 | SLPC                | 4 1/2" - 10 3/4" Pin coating mask                                       |
| A       | 02191 | D     | 03/01/12 | SLPC                | 4 1/2" - 10 3/4" Box make-up positioner                                 |
| A       | 02190 | D     | 03/01/12 | SLPC                | 4 1/2" - 10 3/4" Pin make-up positioner                                 |
| M       | 03084 |       | 2-22-94  | SLPC                | 8 5/8" Casing coupling all weights and grades                           |
| M       | 01606 |       | 8-1-89   | SLPC                | 8 5/8 32# cplg. seal ring modification                                  |
| M       | 01614 |       | 8-14-89  | SLPC                | 8 5/8" 40# Accessory box half ring groove machining detail              |
| 20M     | 00382 | A     | 12-29-86 | SLPC                | 9 5/8" 43.50# Pin nose radius detail for PC                             |
| M       | 00943 | A     | 2-13-89  | SLPC                | Make- up line dimensions for all sizes                                  |
| A       | 02193 | E     | 10/27/03 | SLPC                | Make-up positioner assembly & scribe line location for tubing & casing  |
| P       | 01604 |       | 7-31-89  | SLPC                | Metallic coating machining practice for marathon                        |
| M       | 01613 | D     | 10/27/03 | SLPC                | Pin nose radius detail  |
| P       | 01505 |       | 3-31-89  | SLPC                | Plastic coating field acceptance criteria for marathon                  |
| P       | 02197 | A     | 10/27/03 | SLPC                | Plastic coating specification   |
| P       | 01504 |       | 3-31-89  | SLPC                | Plastic coating specification for marathon                              |
| P       | 00445 | D     | 2-14-89  | SLPC                | Plastic coating specification for tubing                                |
| 20P     | 00466 |       | 3-11-87  | SLPC                | Tubing make-up line location  |
| A       | 00830 | A     | 1-25-90  | SLPC, TCNL PC       | 2 3/8" - 3 1/2" pin coating mask  |
| G       | 06109 |       | 08/06/02 | SLRP                | 10 3/4" BOX SETTING STANDARD -EDM FRAME STYLE FOR SL RP                 |
| M       | 06101 | A     | 04/23/07 | SLRP                | 10 3/4" X .440" WALL COUPLING   |
| M       | 06102 |       | 08/05/02 | SLRP                | 10 3/4" X .440" WALL PIN  |
| G       | 06027 |       | 07/08/02 | SLRP                | 11" BOX SETTING STANDARD -EDM FRAME STYLE FOR SL RP                     |
| M       | 06106 | A     | 04/23/07 | SLRP                | 11" X .671 WALL COUPLING  |
| M       | 06103 | A     | 04/18/07 | SLRP                | 11" X .671 WALL PIN   |
| G       | 06029 |       | 07/08/02 | SLRP                | 11 3/4" BOX SETTING STANDARD -EDM FRAME STYLE FOR SL RP                 |
| M       | 06105 | B     | 04/23/07 | SLRP                | 11 3/4" COUPLING  |
| M       | 06104 | B     | 07/09/03 | SLRP                | 11 3/4" PIN   |
| G       | 06025 |       | 07/05/02 | SLRP                | 11 7/8" BOX SETTING STANDARD - EDM FRAME STYLE                          |
| G       | 06024 |       | 07/05/02 | SLRP                | 11 7/8" PIN SETTING STANDARD - EDM FRAME STYLE                          |
| M       | 06023 | A     | 04/23/07 | SLRP                | 11 7/8" X .550 WALL COUPLING  |
| M       | 06022 | A     | 07/09/03 | SLRP                | 11 7/8" X .550 WALL PIN   |
| G       | 06368 |       | 09/08/03 | SLRP                | 13 3/8" 68 - 72# BOX SETTING STANDARD - EDM FRAME STYLE                 |
| M       | 06309 | A     | 06/12/03 | SLRP                | 13 3/8" 68 - 72# PIN  |

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|---------|-------|-------|----------|---------------------|--|
| M       | 06310 | A     | 06/12/03 | SLRP                | 13 3/8" 68 - 72# COUPLING  |
| M       | 05901 | A     | 04/23/07 | SLRP                | 16" 109# COUPLING  |
| M       | 05900 | A     | 07/09/03 | SLRP                | 16" 109# PIN   |
| G       | 05830 | A     | 12/5/01  | SLRP                | 9 5/8" BOX SET. STD. - EDM FRAME STYLE                             |
| A       | 05832 |       | 09/28/01 | SLRP                | 9 5/8" MAKE-UP POSITIONER-BOX                                      |
| A       | 05831 |       | 09/28/01 | SLRP                | 9 5/8" MAKE-UP POSITIONER-PIN                                      |
| G       | 05829 | A     | 12/5/01  | SLRP                | 9 5/8" PIN SET. STD. - EDM FRAME STYLE                             |
| M       | 05828 | A     | 06/11/03 | SLRP                | 9 5/8" 47 - 53.50# COUPLING  |
| M       | 05827 | B     | 07/09/03 | SLRP                | 9 5/8" 47 - 53.50# PIN   |
| M       | 06323 |       | 07/11/03 | SLRP                | 9 5/8" 47 - 53.50# PIN SWAGING                                     |
| A       | 05571 | B     | 08/03/01 | SLRP                | 9 3/4" BOX MAKE-UP POSITIONER                                      |
| G       | 05553 | B     | 08/03/01 | SLRP                | 9 3/4" BOX SET. STD. - EDM FRAME STYLE                             |
| A       | 05570 | C     | 08/03/01 | SLRP                | 9 3/4" PIN MAKE-UP POSITIONER                                      |
| G       | 05552 | B     | 08/03/01 | SLRP                | 9 3/4" PIN SET. STD. - EDM FRAME STYLE                             |
| M       | 05535 | E     | 04/23/07 | SLRP                | 9 3/4" 59.20# COUPLING   |
| M       | 05735 | B     | 07/09/03 | SLRP                | 9 3/4" 59.20# PIN  |
| G       | 06946 |       | 11/20/06 | SLRP                | 9 7/8" 62.80# BOX SETTING STANDARD - EDM FRAME STYLE               |
| M       | 06944 |       | 11/20/06 | SLRP                | 9 7/8" 62.80# COUPLING   |
| M       | 06943 |       | 11/20/06 | SLRP                | 9 7/8" 62.80# PIN  |
| G       | 06945 |       | 11/20/06 | SLRP                | 9 7/8" 62.80# PIN SETTING STANDARD - EDM FRAME STYLE               |
| G       | 05849 |       | 11/13/01 | SLRP                | anvil - thread height gage .333 pitch x 1.250 in/ft taper          |
| A       | 05576 | B     | 08/03/01 | SLRP                | Make-up positioner assembly & scribe line location                 |
| G       | 05848 |       | 11/13/01 | SLRP                | Thread height standard, external .333" pitch x 1.250" T.P.F.       |
| G       | 05847 |       | 11/13/01 | SLRP                | Thread height standard, internal .333" pitch x 1.250" T.P.F.       |
| G       | 06107 |       | 08/06/02 | SLRP, SLRP-ES       | 10 3/4" PIN SETTING STANDARD -EDM FRAME STYLE FOR SL RP & SL RP-ES |
| M       | 06042 |       | 07/15/02 | SLRP, SLRP-ES       | 10 3/4" X .440" WALL PIN SWAGING FOR SL RP & SL RP-ES              |
| G       | 06026 |       | 07/08/02 | SLRP, SLRP-ES       | 11" PIN SETTING STANDARD -EDM FRAME STYLE FOR SL RP & SL RP-ES     |
| G       | 06028 |       | 07/08/02 | SLRP, SLRP-ES       | 11 3/4" PIN SETTING STANDARD -EDM FRAME STYLE FOR SL RP & SL RP-ES |
| G       | 06367 | A     | 09/11/03 | SLRP, SLRP-ES       | 13 3/8" 68 - 72# PIN SETTING STANDARD - EDM FRAME STYLE            |
| G       | 06108 |       | 08/06/02 | SLRP-ES             | 10 3/4" BOX SETTING STANDARD -EDM FRAME STYLE FOR SL RP-ES         |
| M       | 06031 | A     | 04/23/07 | SLRP-ES             | 10 3/4" X .440 WALL COUPLING WITH 2H EXTERNAL SEAL                 |
| M       | 06030 |       | 07/09/02 | SLRP-ES             | 10 3/4" X .440 WALL PIN WITH 2H EXTERNAL SEAL                      |
| G       | 06033 |       | 07/12/02 | SLRP-ES             | 11" BOX SETTING STANDARD -EDM FRAME STYLE FOR SL RP-ES             |
| M       | 06004 | A     | 04/23/07 | SLRP-ES             | 11" X .671 WALL COUPLING WITH 2H EXTERNAL SEAL                     |
| M       | 06003 | A     | 07/09/03 | SLRP-ES             | 11" X .671 WALL PIN WITH 2H EXTERNAL SEAL                          |
| G       | 06034 |       | 07/12/02 | SLRP-ES             | 11 3/4" BOX SETTING STANDARD -EDM FRAME STYLE FOR SL RP-ES         |
| M       | 06021 | B     | 04/23/07 | SLRP-ES             | 11 3/4" COUPLING WITH 2H EXTERNAL SEAL                             |
| M       | 06020 | B     | 07/09/03 | SLRP-ES             | 11 3/4" PIN WITH 2H EXTERNAL SEAL                                  |
| G       | 06377 |       | 07/12/02 | SLRP-ES             | 13 3/8" 68 -72# BOX SETTING STANDARD - EDM FRAME STYLE             |

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|---------|-------|-------|----------|---------------------|---|
| M       | 06376 | A     | 04/23/07 | SLRP-ES             | 13 3/8" 68 -72# COUPLING W/ 2H EXT. SEAL                                    |
| M       | 06375 |       | 09/11/03 | SLRP-ES             | 13 3/8" 68 -72# PIN W/ 2H EXT. SEAL   |
| M       | 06177 |       | 11/20/02 | SLSF                | 4 1/2" 11.60# BOX   |
| M       | 06180 | A     | 08/28/03 | SLSF                | 4 1/2" 11.60# BOX FORMING   |
| G       | 06179 |       | 11/20/02 | SLSF                | 4 1/2" 11.60# BOX SETTING STANDARD - EDM FRAME STYLE                        |
| T       | 06181 |       | 11/20/02 | SLSF                | 4 1/2" 11.60# EXPANSION MANDREL   |
| A       | 06185 | D     | 10/04/12 | SLSF                | 4 1/2" 11.60# HANDLING PLUG   |
| M       | 06176 | B     | 02/17/15 | SLSF                | 4 1/2" 11.60# PIN   |
| G       | 06178 |       | 11/20/02 | SLSF                | 4 1/2" 11.60# PIN SETTING STANDARD - EDM FRAME STYLE                        |
| M       | 06182 | B     | 02/23/04 | SLSF                | 4 1/2" 11.60# PIN SWAGING   |
| M       | 06351 |       | 08/28/03 | SLSF                | 4 1/2" 12.60# & 13.50# BOX  |
| M       | 06355 |       | 08/28/03 | SLSF                | 4 1/2" 12.60# & 13.50# BOX FORMING  |
| G       | 06353 |       | 08/28/03 | SLSF                | 4 1/2" 12.60# & 13.50# BOX SETTING STANDARD - EDM FRAME STYLE               |
| T       | 06356 |       | 08/28/03 | SLSF                | 4 1/2" 12.60# & 13.50# EXPANSION MANDREL                                    |
| A       | 06357 | B     | 08/01/12 | SLSF                | 4 1/2" 12.60# - 13.50# HANDLING PLUG  |
| M       | 06350 | A     | 02/17/15 | SLSF                | 4 1/2" 12.60 - 13.50# PIN   |
| G       | 06352 | A     | 12/02/08 | SLSF                | 4 1/2" 12.60# & 13.50# PIN SETTING STANDARD - EDM FRAME STYLE               |
| M       | 06354 | C     | 02/23/04 | SLSF                | 4 1/2" 12.60# & 13.50# PIN SWAGING  |
| I       | 07257 |       | 12/01/08 | SLSF                | 4 1/2" 12.60# & 13.50# PIN & BOX GAGE SETTING DIMS. FOR ROD STYLE STANDARDS |
| G       | 06364 | B     | 01/05/04 | SLSF                | 4 1/2" 15.10# - 17# BOX SETTING STANDARD - EDM FRAME STYLE                  |
| M       | 06362 | B     | 02/26/04 | SLSF                | 4 1/2" 15.10# & 17# BOX   |
| M       | 06359 | A     | 01/05/04 | SLSF                | 4 1/2" 15.10# & 17# BOX FORMING   |
| T       | 06360 | A     | 01/05/04 | SLSF                | 4 1/2" 15.10# & 17# EXPANSION MANDREL                                       |
| A       | 06365 | C     | 08/01/12 | SLSF                | 4 1/2" 15.10# - 17# HANDLING PLUG   |
| M       | 06361 | B     | 02/17/15 | SLSF                | 4 1/2" 15.10 - 17# PIN  |
| G       | 06363 | A     | 01/05/04 | SLSF                | 4 1/2" 15.10# & 17# PIN SETTING STANDARD - EDM FRAME STYLE                  |
| M       | 06358 | C     | 02/23/04 | SLSF                | 4 1/2" 15.10# & 17# PIN SWAGING   |
| P       | 05676 | K     | 04/10/17 | SLSF                | 4 1/2" - 6 5/8" ACCESSORY BLANKING DIMENSIONS                               |
| P       | 05544 | AB    | 11/16/15 | SLSF                | 4 1/2" - 18" PIN SWAGING DIE  |
| M       | 07451 |       | 03/24/10 | SLSF                | 5" 15# PIN SWAGING  |
| M       | 07452 |       | 03/24/10 | SLSF                | 5" 15# BOX FORMING  |
| T       | 07453 |       | 03/24/10 | SLSF                | 5" 15# EXPANSION MANDREL  |
| M       | 07447 |       | 03/24/10 | SLSF                | 5" 15# BOX  |
| M       | 07446 | A     | 02/04/15 | SLSF                | 5" 15# PIN  |
| I       | 07460 |       | 03/29/10 | SLSF                | 5" 15# PIN & BOX GAGE SET. DIMS FOR MRP GAGE SETUP                          |
| G       | 07448 |       | 03/24/10 | SLSF                | 5" 15# PIN SET. STD. - EDM FRAME STYLE                                      |
| G       | 07449 |       | 03/24/10 | SLSF                | 5" 15# BOX SET. STD. - EDM FRAME STYLE                                      |
| A       | 07450 | A     | 08/01/12 | SLSF                | 5" 15# HANDLING PLUG  |
| I       | 07483 |       | 06/29/10 | SLSF                | 5" 18 - 21.40# PIN & BOX GAGE SETTING DIMS. FOR ROD STYLE STDS              |

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|---------|-------|-------|----------|---------------------|---|
| G       | 05337 | A     | 03/08/04 | SLSF                | 5" 18 - 21.40# BOX SETTING STANDARD - EDM FRAME STYLE     |
| G       | 05336 | A     | 03/08/04 | SLSF                | 5" 18 - 21.40# PIN SETTING STANDARD - EDM FRAME STYLE     |
| M       | 05210 | B     | 03/08/04 | SLSF                | 5" 18 - 21.40# BOX  |
| M       | 05212 | D     | 03/08/04 | SLSF                | 5" 18 - 21.40# BOX FORMING                                |
| T       | 05692 | A     | 03/08/04 | SLSF                | 5" 18 - 21.40# EXPANSION MANDREL                          |
| A       | 05225 | E     | 10/04/12 | SLSF                | 5" 18 - 21.40# HANDLING PLUG                              |
| M       | 05209 | D     | 01/27/15 | SLSF                | 5" 18 - 21.40# PIN  |
| M       | 05211 | E     | 03/08/04 | SLSF                | 5" 18 - 21.40# PIN SWAGING                                |
| M       | 06476 |       | 01/13/04 | SLSF                | 5" 23.20 - 24.10# BOX                                     |
| M       | 06477 |       | 01/13/04 | SLSF                | 5" 23.20 - 24.10# BOX FORMING                             |
| G       | 06481 | A     | 04/19/04 | SLSF                | 5" 23.20 - 24.10# BOX SETTING STANDARD - EDM FRAME STYLE  |
| T       | 06479 |       | 01/13/04 | SLSF                | 5" 23.20 - 24.10# EXPANSION MANDREL                       |
| A       | 06482 | A     | 08/01/12 | SLSF                | 5" 23.20 - 24.10# HANDLING PLUG                           |
| M       | 06475 | A     | 02/04/15 | SLSF                | 5" 23.20 - 24.10# PIN                                     |
| G       | 06480 |       | 01/13/04 | SLSF                | 5" 23.20 - 24.10# PIN SETTING STANDARD - EDM FRAME STYLE  |
| M       | 06478 | B     | 02/23/04 | SLSF                | 5" 23.20 - 24.10# PIN SWAGING                             |
| G       | 06097 |       | 08/02/02 | SLSF                | 5 1/2" 13 - 23.80# BOX SETTING STANDARD - EDM FRAME STYLE |
| G       | 06096 |       | 08/02/02 | SLSF                | 5 1/2" 13 - 23.80# PIN SETTING STANDARD - EDM FRAME STYLE |
| M       | 05368 | A     | 01/11/01 | SLSF                | 5 1/2" 17 - 20# BOX                                       |
| M       | 05371 | B     | 02/23/04 | SLSF                | 5 1/2" 17 - 20# BOX FORMING                               |
| G       | 05373 |       | 02/29/00 | SLSF                | 5 1/2" 17 - 20# BOX SETTING STANDARD - EDM FRAME STYLE    |
| T       | 05696 |       | 02/02/01 | SLSF                | 5 1/2" 17 - 20# EXPANSION MANDREL                         |
| A       | 05369 | D     | 08/01/12 | SLSF                | 5 1/2" 17 - 20# HANDLING PLUG                             |
| M       | 05367 | C     | 02/04/15 | SLSF                | 5 1/2" 17 - 20# PIN                                       |
| G       | 05372 |       | 02/29/00 | SLSF                | 5 1/2" 17 - 20# PIN SETTING STANDARD - EDM FRAME STYLE    |
| M       | 05370 | D     | 02/23/04 | SLSF                | 5 1/2" 17 - 20# PIN SWAGING                               |
| M       | 06094 |       | 08/02/02 | SLSF                | 5 1/2" 23 - 23.80# BOX                                    |
| M       | 06099 |       | 08/02/02 | SLSF                | 5 1/2" 23 - 23.80# BOX FORMING                            |
| T       | 06100 |       | 08/02/02 | SLSF                | 5 1/2" 23 - 23.80# EXPANSION MANDREL                      |
| A       | 06095 | C     | 08/01/12 | SLSF                | 5 1/2" 23 - 23.80# HANDLING PLUG                          |
| M       | 06093 | A     | 02/04/15 | SLSF                | 5 1/2" 23 - 23.80# PIN                                    |
| M       | 06098 | B     | 02/23/04 | SLSF                | 5 1/2" 23 - 23.80# PIN SWAGING                            |
| M       | 07193 | A     | 05/05/15 | SLSF                | 5 1/2" 26# PIN W/ SPECIAL ID BORE FOR OVERSIZED DRIFT     |
| M       | 06068 |       | 07/26/02 | SLSF                | 5 1/2" 26 - 26.80# BOX                                    |
| M       | 06074 | A     | 08/05/02 | SLSF                | 5 1/2" 26 - 26.80# BOX FORMING                            |
| G       | 06072 |       | 07/26/02 | SLSF                | 5 1/2" 26 - 26.80# BOX SETTING STANDARD - EDM FRAME STYLE |
| T       | 06070 |       | 07/26/02 | SLSF                | 5 1/2" 26 - 26.80# EXPANSION MANDREL                      |
| A       | 06069 | D     | 08/01/12 | SLSF                | 5 1/2" 26 - 26.80# HANDLING PLUG                          |
| M       | 06067 | A     | 02/04/15 | SLSF                | 5 1/2" 26.80# PIN   |

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|---------|-------|-------|----------|---------------------|--|
| G       | 06071 |       | 07/26/02 | SLSF                | 5 1/2" 26 - 26.80# PIN SETTING STANDARD - EDM FRAME STYLE                            |
| M       | 06073 | B     | 02/23/04 | SLSF                | 5 1/2" 26 - 26.80# PIN SWAGING   |
| P       | 07194 |       | 05/20/08 | SLSF                | 5 1/2" 26# & 8 5/8" 32# ACC PIN BLANKING DIM. W/ SPECIAL ID BORE FOR OVERSIZED DRIFT |
| A       | 09297 |       | 10/04/16 | SLSF                | 5.800" PIN ACCESSORY   |
| A       | 09298 |       | 10/04/16 | SLSF                | 5.800" BOX ACCESSORY   |
| P       | 09299 | A     | 04/10/17 | SLSF                | 5.800" ACCESSORY BLANKING DIMENSIONS   |
| M       | 06910 |       | 08/17/06 | SLSF                | 6 5/8" 24 - 28# BOX  |
| M       | 06915 |       | 08/17/06 | SLSF                | 6 5/8" 24 - 28# BOX FORMING  |
| G       | 06912 |       | 08/17/06 | SLSF                | 6 5/8" 24 - 28# BOX SETTING STANDARD - EDM FRAME STYLE                               |
| T       | 06913 |       | 08/17/06 | SLSF                | 6 5/8" 24 - 28# EXPANSION MANDREL  |
| A       | 06916 | A     | 08/01/12 | SLSF                | 6 5/8" 24 - 28# HANDLING PLUG  |
| M       | 06909 | A     | 02/10/15 | SLSF                | 6 5/8" 24 - 28# PIN  |
| G       | 06911 |       | 08/17/06 | SLSF                | 6 5/8" 24 - 28# PIN SETTING STANDARD - EDM FRAME STYLE                               |
| M       | 06914 |       | 08/17/06 | SLSF                | 6 5/8" 24 - 28# PIN SWAGING  |
| M       | 07073 | A     | 02/10/15 | SLSF                | 6 5/8" 32 - 33# PIN  |
| M       | 07074 |       | 08/24/07 | SLSF                | 6 5/8" 32 - 33# BOX  |
| G       | 07075 |       | 08/24/07 | SLSF                | 6 5/8" 32 - 33# PIN SET. STD. - EDM FRAME STYLE                                      |
| G       | 07076 |       | 08/24/07 | SLSF                | 6 5/8" 32 - 33# BOX SET. STD. - EDM FRAME STYLE                                      |
| A       | 07077 | A     | 08/01/12 | SLSF                | 6 5/8" 32 - 33# HANDLING PLUG  |
| T       | 07078 |       | 08/24/07 | SLSF                | 6 5/8" 32 - 33# EXPANSION MANDREL  |
| M       | 07079 |       | 08/24/07 | SLSF                | 6 5/8" 32 - 33# PIN SWAGING  |
| M       | 07080 |       | 08/24/07 | SLSF                | 6 5/8" 32 - 33# BOX FORMING  |
| M       | 05214 | B     | 07/09/03 | SLSF                | 7" 23 - 26# BOX  |
| M       | 05216 | C     | 02/23/04 | SLSF                | 7" 23 - 26# BOX FORMING  |
| G       | 05446 |       | 05/09/00 | SLSF                | 7" 23 - 26# BOX SETTING STANDARD - EDM FRAME STYLE                                   |
| T       | 05693 |       | 02/02/01 | SLSF                | 7" 23 - 26# EXPANSION MANDREL  |
| A       | 05444 | D     | 08/01/12 | SLSF                | 7" 23 - 26# HANDLING PLUG  |
| M       | 05213 | C     | 02/10/15 | SLSF                | 7" 23 - 26# PIN  |
| G       | 05445 |       | 05/09/00 | SLSF                | 7" 23 - 26# PIN SETTING STANDARD - EDM FRAME STYLE                                   |
| M       | 05215 | D     | 02/23/04 | SLSF                | 7" 23 - 26# PIN SWAGING  |
| I       | 07353 |       | 06/11/09 | SLSF                | 7" 23 - 26# PIN & BOX GAGE SET. DIMS. FOR MRP GAGE SETUP                             |
| T       | 05690 |       | 02/02/01 | SLSF                | 7" 29 - 32# EXPANSION MANDREL  |
| A       | 05338 | D     | 08/01/12 | SLSF                | 7" 29 - 32# HANDLING PLUG  |
| M       | 05192 | C     | 03/08/13 | SLSF                | 7" 29 - 32# BOX  |
| M       | 05194 | C     | 02/23/04 | SLSF                | 7" 29 - 32# BOX FORMING  |
| G       | 05200 | A     | 09/03/99 | SLSF                | 7" 29 - 32# BOX SETTING STANDARD - EDM FRAME STYLE                                   |
| M       | 05191 | F     | 05/29/15 | SLSF                | 7" 29 - 32# PIN  |
| G       | 05199 | A     | 11/11/99 | SLSF                | 7" 29 - 32# PIN SETTING STANDARD - EDM FRAME STYLE                                   |
| M       | 05193 | E     | 02/23/04 | SLSF                | 7" 29 - 32# PIN SWAGING  |

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|---------|-------|-------|----------|---------------------|---|
| M       | 06925 |       | 10/09/06 | SLSF                | 7" 32# PIN x 7 5/8" BOX CROSSOVER SUB                             |
| M       | 05931 |       | 02/27/02 | SLSF                | 7" 35 - 38# BOX   |
| M       | 05932 | A     | 02/23/04 | SLSF                | 7" 35 - 38# BOX FORMING   |
| G       | 05936 |       | 02/27/02 | SLSF                | 7" 35 - 38# BOX SETTING STANDARD -EDM FRAME STYLE                 |
| T       | 05933 |       | 02/27/02 | SLSF                | 7" 35 - 38# EXPANSION MANDREL                                     |
| A       | 05934 | C     | 08/01/12 | SLSF                | 7" 35 - 38# HANDLING PLUG   |
| M       | 05930 | B     | 02/09/15 | SLSF                | 7" 35 - 38# PIN   |
| G       | 05935 |       | 02/27/02 | SLSF                | 7" 35 - 38# PIN SETTING STANDARD -EDM FRAME STYLE                 |
| M       | 05939 | B     | 02/23/04 | SLSF                | 7" 35 - 38# PIN SWAGING   |
| M       | 06757 |       | 06/15/05 | SLSF                | 7" 35# PIN X 7" 32# BOX CROSSOVER SUB                             |
| M       | 06311 |       | 06/11/03 | SLSF                | 7" 38# PIN X 10 1/8" 79.22# BOX CROSSOVER SUB                     |
| M       | 07715 | B     | 02/09/15 | SLSF                | 7" 41 - 45.40# PIN  |
| M       | 07716 |       | 03/31/11 | SLSF                | 7" 41 - 45.40# BOX  |
| G       | 07717 |       | 03/31/11 | SLSF                | 7" 41 - 45.40# PIN SET. STD. - EDM FRAME STYLE                    |
| G       | 07718 |       | 03/31/11 | SLSF                | 7" 41 - 45.40# BOX SET. STD. - EDM FRAME STYLE                    |
| A       | 07719 | A     | 08/01/12 | SLSF                | 7" 41 - 45.40# HANDLING PLUG                                      |
| M       | 07720 |       | 03/31/11 | SLSF                | 7" 41 - 45.40# PIN SWAGING  |
| M       | 07721 |       | 03/31/11 | SLSF                | 7" 41 - 45.40# BOX FORMING  |
| T       | 07720 |       | 03/31/11 | SLSF                | 7" 41 - 45.40# EXPANSION MANDREL                                  |
| A       | 07175 | A     | 02/20/15 | SLSF                | 7" 50.11# ACCESSORY PIN (SCHLUMBERGER)                            |
| A       | 07176 |       | 03/19/08 | SLSF                | 7" 50.11# ACCESSORY BOX (SCHLUMBERGER)                            |
| P       | 07177 |       | 03/19/08 | SLSF                | 7" 50.11# ACCESSORY BLANKING DIMS. PIN & BOX (SCHLUMBERGER)       |
| P       | 05677 | J     | 04/10/17 | SLSF                | 7" - 8 5/8" ACCESSORY BLANKING DIMENSIONS                         |
| M       | 05555 | A     | 01/11/01 | SLSF                | 7 5/8" 29.70 - 33.70# BOX   |
| M       | 05558 | B     | 02/23/04 | SLSF                | 7 5/8" 29.70 - 33.70# BOX FORMING                                 |
| G       | 05560 |       | 09/22/00 | SLSF                | 7 5/8" 29.70 - 33.70# BOX SETTING STANDARD - EDM FRAME STYLE      |
| T       | 05575 | A     | 02/01/01 | SLSF                | 7 5/8" 29.70 - 33.70# EXPANSION MANDREL                           |
| A       | 05556 | D     | 08/01/12 | SLSF                | 7 5/8" 29.70 - 33.70# HANDLING PLUG                               |
| M       | 05554 | B     | 02/09/15 | SLSF                | 7 5/8" 29.70 - 33.70# PIN   |
| G       | 05559 |       | 09/22/00 | SLSF                | 7 5/8" 29.70 - 33.70# PIN SETTING STANDARD - EDM FRAME STYLE      |
| M       | 05557 | C     | 02/23/04 | SLSF                | 7 5/8" 29.70 - 33.70# PIN SWAGING                                 |
| I       | 06556 |       | 03/24/04 | SLSF                | 7 5/8" 29.70# GAGE SETTING DIM. FOR ROD STYLE STANDARDS PIN & BOX |
| M       | 06273 | B     | 06/04/03 | SLSF                | 7 5/8" 39# PIN X 7 3/4" 46.10# BOX CROSSOVER SUB                  |
| M       | 07377 |       | 09/28/09 | SLSF                | 7 5/8" 39# PIN X 7 5/8" 29.70# BOX CROSSOVER SUB                  |
| T       | 05626 |       | 02/02/01 | SLSF                | 7 5/8" 39 - 42.80# EXPANSION MANDREL                              |
| M       | 05185 | D     | 03/11/05 | SLSF                | 7 5/8" 39 - 42.80# BOX  |
| M       | 05187 | C     | 02/23/04 | SLSF                | 7 5/8" 39 - 42.80# box forming                                    |
| G       | 05202 | A     | 11/11/99 | SLSF                | 7 5/8" 39 - 42.80# BOX SETTING STANDARD - EDM FRAME STYLE         |
| A       | 05188 | E     | 08/01/12 | SLSF                | 7 5/8" 39 - 42.80# HANDLING PLUG                                  |

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|---------|-------|-------|----------|---------------------|---|
| M       | 05184 | F     | 01/29/15 | SLSF                | 7 5/8" 39 - 42.80# PIN  |
| G       | 05201 | B     | 11/18/02 | SLSF                | 7 5/8" 39 - 42.80# PIN SETTING STANDARD - EDM FRAME STYLE               |
| M       | 05186 | E     | 02/23/04 | SLSF                | 7 5/8" 39 - 42.80# pin swaging  |
| M       | 07034 | C     | 02/10/15 | SLSF                | 7 5/8" 45.30 - 51.20# PIN   |
| M       | 07035 | B     | 08/01/11 | SLSF                | 7 5/8" 45.30 - 51.20# BOX   |
| G       | 07036 |       | 06/26/07 | SLSF                | 7 5/8" 45.30 - 51.20# PIN SET. STD. - EDM FRAME STYLE                   |
| G       | 07037 |       | 06/26/07 | SLSF                | 7 5/8" 45.30 - 51.20# BOX SET. STD. - EDM FRAME STYLE                   |
| A       | 07038 | B     | 10/04/12 | SLSF                | 7 5/8" 45.30 - 51.20# HANDLING PLUG                                     |
| M       | 07039 |       | 06/26/07 | SLSF                | 7 5/8" 45.30 - 51.20# PIN SWAGING                                       |
| M       | 07040 |       | 06/26/07 | SLSF                | 7 5/8" 45.30 - 51.20# BOX FORMING                                       |
| T       | 07041 |       | 06/26/07 | SLSF                | 7 5/8" 45.30 - 51.20# EXPANSION MANDREL                                 |
| M       | 07796 |       | 06/29/11 | SLSF                | 7 5/8" 47.10# PIN x 7 5/8" 39# BOX CROSSOVER SUB                        |
| M       | 06706 | B     | 07/09/13 | SLSF                | 7 5/8" 52.80 - 55.30# BOX   |
| M       | 06711 | A     | 03/24/11 | SLSF                | 7 5/8" 52.80 - 55.30# BOX FORMING                                       |
| G       | 06708 |       | 02/01/05 | SLSF                | 7 5/8" 52.80 - 55.30# BOX SETTING STANDARD - EDM FRAME STYLE            |
| T       | 06712 |       | 02/01/05 | SLSF                | 7 5/8" 52.80 - 55.30# EXPANSION MANDREL                                 |
| A       | 06709 | B     | 08/01/12 | SLSF                | 7 5/8" 52.80 - 55.30# HANDLING PLUG                                     |
| M       | 06705 | B     | 02/11/15 | SLSF                | 7 5/8" 52.80 - 55.30# PIN   |
| G       | 06707 |       | 02/01/05 | SLSF                | 7 5/8" 52.80 - 55.30# PIN SETTING STANDARD - EDM FRAME STYLE            |
| M       | 06710 |       | 02/01/05 | SLSF                | 7 5/8" 52.80 - 55.30# PIN SWAGING                                       |
| I       | 07952 |       | 03/21/12 | SLSF                | 7 5/8" 52.80 - 55.30# PIN & BOX GAGE SET. DIMS. FOR ROD STYLE STANDARDS |
| M       | 05329 | C     | 01/08/15 | SLSF                | 7 3/4" 46.10# PIN   |
| M       | 05330 | B     | 05/07/13 | SLSF                | 7 3/4" 46.10# BOX   |
| A       | 05331 | D     | 08/01/12 | SLSF                | 7 3/4" 46.10# HANDLING PLUG   |
| M       | 05332 | D     | 02/23/04 | SLSF                | 7 3/4" 46.10# PIN SWAGING   |
| M       | 05333 | B     | 02/23/04 | SLSF                | 7 3/4" 46.10# BOX FORMING   |
| G       | 05334 |       | 01/25/00 | SLSF                | 7 3/4" 46.10# PIN SETTING STANDARD - EDM FRAME STYLE                    |
| G       | 05335 |       | 01/25/00 | SLSF                | 7 3/4" 46.10# BOX SETTING STANDARD - EDM FRAME STYLE                    |
| T       | 05695 |       | 01/25/00 | SLSF                | 7 3/4" 46.10# EXPANSION MANDREL   |
| M       | 06795 | A     | 08/24/05 | SLSF                | 8 1/6" 53.90# PIN X 7 5/8" 39# BOX                                      |
| M       | 06019 | B     | 05/01/12 | SLSF                | 8 1/6" 53.95# - 54.02# BOX  |
| M       | 06065 | A     | 05/01/12 | SLSF                | 8 1/6" 53.95# - 54.02# BOX FORMING                                      |
| G       | 06063 | A     | 05/01/12 | SLSF                | 8 1/6" 53.95# - 54.02# BOX SETTING STANDARD - EDM FRAME STYLE           |
| T       | 06066 | A     | 05/01/12 | SLSF                | 8 1/6" 53.90# - 54.02# EXPANSION MANDREL                                |
| A       | 06061 | D     | 08/01/12 | SLSF                | 8 1/6" 53.95# - 54.02# HANDLING PLUG                                    |
| M       | 06018 | B     | 02/12/15 | SLSF                | 8 1/6" 53.95# - 54.02# PIN  |
| G       | 06062 | A     | 05/01/12 | SLSF                | 8 1/6" 53.95# - 54.02# PIN SETTING STANDARD - EDM FRAME STYLE           |
| M       | 06064 | C     | 05/01/12 | SLSF                | 8 1/6" 53.95# - 54.02# PIN SWAGING                                      |
| M       | 07192 |       | 05/19/08 | SLSF                | 8 5/8" 32# PIN W/ SPECIAL ID BORE FOR OVERSIZED DRIFT                   |

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|---------|-------|-------|----------|---------------------|---|
| A       | 06607 | A     | 08/01/12 | SLSF                | 8 5/8" 32 - 36# HANDLING PLUG                             |
| M       | 06604 | A     | 03/01/05 | SLSF                | 8 5/8" 32 - 36# BOX                                       |
| M       | 06609 |       | 07/21/04 | SLSF                | 8 5/8" 32 - 36# BOX FORMING                               |
| G       | 06606 |       | 07/21/04 | SLSF                | 8 5/8" 32 - 36# BOX SETTING STANDARD - EDM FRAME STYLE    |
| T       | 06610 |       | 07/21/04 | SLSF                | 8 5/8" 32 - 36# EXPANSION MANDREL                         |
| M       | 06603 | A     | 01/27/15 | SLSF                | 8 5/8" 32 - 36# PIN                                       |
| G       | 06605 |       | 07/21/04 | SLSF                | 8 5/8" 32 - 36# PIN SETTING STANDARD - EDM FRAME STYLE    |
| M       | 06608 |       | 07/21/04 | SLSF                | 8 5/8" 32 - 36# PIN SWAGING                               |
| M       | 07761 | A     | 02/12/15 | SLSF                | 8 5/8" 40 - 44# PIN                                       |
| M       | 07762 |       | 05/17/11 | SLSF                | 8 5/8" 40 - 44# BOX                                       |
| G       | 07763 |       | 05/17/11 | SLSF                | 8 5/8" 40 - 44# PIN SET. STD. - EDM FRAME STYLE           |
| G       | 07764 |       | 05/17/11 | SLSF                | 8 5/8" 40 - 44# BOX SET. STD. - EDM FRAME STYLE           |
| A       | 07765 | A     | 08/01/12 | SLSF                | 8 5/8" 40 - 44# HANDLING PLUG                             |
| M       | 07766 |       | 05/17/11 | SLSF                | 8 5/8" 40 - 44# PIN SWAGING                               |
| M       | 07767 |       | 05/17/11 | SLSF                | 8 5/8" 40 - 44# BOX FORMING                               |
| T       | 07768 |       | 05/17/11 | SLSF                | 8 5/8" 40 - 44# EXPANSION MANDREL                         |
| M       | 07693 | A     | 01/15/15 | SLSF                | 9 5/8" 36 - 40# PIN                                       |
| M       | 07694 | A     | 03/23/11 | SLSF                | 9 5/8" 36 - 40# BOX                                       |
| A       | 07695 | A     | 08/01/12 | SLSF                | 9 5/8" 36 - 40# HANDLING PLUG                             |
| M       | 07696 |       | 03/14/11 | SLSF                | 9 5/8" 36 - 40# PIN SWAGING                               |
| M       | 07697 |       | 03/14/11 | SLSF                | 9 5/8" 36 - 40# BOX FORMING                               |
| T       | 09779 |       | 04/26/19 | SLSF                | 9.625" 40.00# BOX EXPANSION MANDREL                       |
| G       | 07699 |       | 03/14/11 | SLSF                | 9 5/8" 36 - 40# PIN SET. STD. - EDM FRAME STYLE           |
| G       | 07700 | A     | 03/23/11 | SLSF                | 9 5/8" 36 - 40# BOX SET. STD. - EDM FRAME STYLE           |
| M       | 06305 |       | 06/03/03 | SLSF                | 9 3/8" 39# PIN X 9 7/8" 62.80# BOX CROSSOVER SUB          |
| M       | 05540 | A     | 09/13/00 | SLSF                | 9 5/8" 43.50 - 47# BOX                                    |
| T       | 05545 | A     | 02/01/01 | SLSF                | 9 5/8" 43.50 - 47# BOX EXPANSION MANDREL                  |
| M       | 05543 | B     | 02/23/04 | SLSF                | 9 5/8" 43.50 - 47# BOX FORMING                            |
| G       | 05547 |       | 09/13/00 | SLSF                | 9 5/8" 43.50 - 47# BOX SETTING STANDARD - EDM FRAME STYLE |
| A       | 05541 | D     | 08/01/12 | SLSF                | 9 5/8" 43.50 - 47# HANDLING PLUG                          |
| M       | 05539 | B     | 02/12/15 | SLSF                | 9 5/8" 43.50 - 47# PIN                                    |
| G       | 05546 |       | 09/13/00 | SLSF                | 9 5/8" 43.50 - 47# PIN SETTING STANDARD - EDM FRAME STYLE |
| M       | 05542 | C     | 02/23/04 | SLSF                | 9 5/8" 43.50 - 47# PIN SWAGING                            |
| M       | 04979 | C     | 02/02/15 | SLSF                | 9 5/8" 53.50# BOX   |
| M       | 04990 | C     | 02/23/04 | SLSF                | 9 5/8" 53.50# BOX FORMING                                 |
| G       | 05038 |       | 04/06/99 | SLSF                | 9 5/8" 53.50# BOX SETTING STD - EDM FRAME STYLE           |
| T       | 05686 |       | 02/02/01 | SLSF                | 9 5/8" 53.50# EXPANSION MANDREL                           |
| A       | 05161 | C     | 08/01/12 | SLSF                | 9 5/8" 53.50# HANDLING PLUG                               |
| M       | 04978 | D     | 02/02/15 | SLSF                | 9 5/8" 53.50# PIN   |



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|---------|-------|-------|----------|---------------------|---|
| G       | 05037 | A     | 08/16/99 | SLSF                | 9 5/8" 53.50# PIN SETTING STD - EDM FRAME STYLE                                 |
| M       | 05142 | E     | 02/23/04 | SLSF                | 9 5/8" 53.50# PIN SWAGING   |
| M       | 06435 |       | 11/25/03 | SLSF                | 9 5/8" 53.50# PIN X 10 3/4" 64# BOX CROSSOVER SUB                               |
| M       | 09176 | D     | 08/29/16 | SLSF                | 9 5/8" 53.50# CRA BOX   |
| M       | 06334 |       | 07/21/03 | SLSF                | 9 5/8" 70.30 - 71.60# BOX FORMING   |
| G       | 06331 |       | 07/21/03 | SLSF                | 9 5/8" 70.30 - 71.60# BOX SETTING STANDARD - EDM FRAME STYLE                    |
| T       | 06333 |       | 07/21/03 | SLSF                | 9 5/8" 70.30 - 71.60# EXPANSION MANDREL   |
| A       | 06335 | B     | 08/01/12 | SLSF                | 9 5/8" 70.30 - 71.60# HANDLING PLUG   |
| G       | 06330 |       | 07/21/03 | SLSF                | 9 5/8" 70.30 - 71.60# PIN SETTING STANDARD - EDM FRAME STYLE                    |
| M       | 06332 | B     | 02/23/04 | SLSF                | 9 5/8" 70.30 - 71.60# PIN SWAGING   |
| M       | 06329 |       | 07/21/03 | SLSF                | 9 5/8" 70.30 - 71.60# BOX   |
| M       | 06328 | B     | 02/12/15 | SLSF                | 9 5/8" 70.30 - 71.60# PIN   |
| P       | 05678 | R     | 04/10/17 | SLSF                | 9 5/8" - 10 3/4" ACCESSORY BLANKING DIMENSIONS                                  |
| M       | 06919 |       | 08/31/06 | SLSF                | 9 7/8" 62.80# BOX x 10 1/8" 79.22# PIN  |
| M       | 06472 |       | 01/08/04 | SLSF                | 9 7/8" 62.80# SL SF PIN X 10 1/8" 79.22# SL SF BOX CROSSOVER SUB                |
| M       | 07288 |       | 02/19/09 | SLSF                | 9 7/8" 62.80# SL SF PIN X 10 3/4" 85.30# SL SF BOX CROSSOVER SUB                |
| M       | 05144 | H     | 02/22/13 | SLSF                | 9 7/8" 62.80 - 66.60# BOX   |
| M       | 06771 | A     | 11/16/05 | SLSF                | 9 7/8" 62.80 - 66.60# 15CR BOX FOR CHEVRON                                      |
| G       | 06773 |       | 07/27/05 | SLSF                | 9 7/8" 62.80 - 66.60# 15CR BOX SETTING STANDARD - EDM FRAME STYLE - FOR CHEVRON |
| M       | 06770 | A     | 11/16/05 | SLSF                | 9 7/8" 62.80 - 66.60# 15CR PIN FOR CHEVRON                                      |
| G       | 06772 |       | 07/27/05 | SLSF                | 9 7/8" 62.80 - 66.60# 15CR PIN SETTING STANDARD - EDM FRAME STYLE - FOR CHEVRON |
| M       | 05146 | D     | 01/18/08 | SLSF                | 9 7/8" 62.80 - 66.60# BOX FORMING   |
| G       | 05156 | A     | 10/10/02 | SLSF                | 9 7/8" 62.80 - 66.60# BOX SETTING STANDARD - EDM FRAME STYLE                    |
| A       | 05162 | E     | 08/01/12 | SLSF                | 9 7/8" 62.80 - 66.60# HANDLING PLUG   |
| G       | 05155 | A     | 10/10/02 | SLSF                | 9 7/8" 62.80 - 66.60# PIN SETTING STANDARD - EDM FRAME STYLE                    |
| M       | 05145 | G     | 01/18/08 | SLSF                | 9 7/8" 62.80 - 66.60# PIN SWAGING   |
| I       | 07339 |       | 05/22/09 | SLSF                | 9 7/8" 62.80 - 66.60# PIN & BOX GAGE SET. DIMS. FOR ROD STYLE STDS.             |
| T       | 05687 | F     | 11/05/12 | SLSF                | 9 7/8" 62.80 - 66.60# EXPANSION MANDREL   |
| M       | 05143 | K     | 05/20/15 | SLSF                | 9 7/8" 62.80 - 66.60# PIN   |
| M       | 07637 | B     | 02/19/15 | SLSF                | 10" 68.70 - 73.90# PIN  |
| M       | 07638 |       | 01/24/11 | SLSF                | 10" 68.70 - 73.90# BOX  |
| M       | 07642 |       | 01/24/11 | SLSF                | 10" 68.70 - 73.90# PIN SWAGING  |
| M       | 07643 |       | 01/24/11 | SLSF                | 10" 68.70 - 73.90# BOX FORMING  |
| A       | 07639 | A     | 08/01/12 | SLSF                | 10" 68.70 - 73.90# HANDLING PLUG  |
| G       | 07640 |       | 01/24/11 | SLSF                | 10" 68.70 - 73.90# PIN SET. STD. - EDM FRAME STYLE                              |
| G       | 07641 |       | 01/24/11 | SLSF                | 10" 68.70 - 73.90# BOX SET. STD. - EDM FRAME STYLE                              |
| T       | 08075 |       | 12/07/12 | SLSF                | 10" 68.70 - 73.90# BOX EXPANSION MANDREL  |
| M       | 05960 | D     | 11/05/12 | SLSF                | 10 1/8" 75.90 - 79.22# BOX FORMING  |
| M       | 05961 | E     | 11/05/12 | SLSF                | 10 1/8" 75.90 - 79.22# PIN SWAGING  |

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| T       | 08074 |       | 12/07/12 | SLSF                | 10 1/8" 75.90 - 79.22# BOX EXPANSION MANDREL                                 |
| M       | 05959 | F     | 11/05/12 | SLSF                | 10 1/8" 75.90 - 79.22# BOX   |
| G       | 05963 | B     | 11/05/12 | SLSF                | 10 1/8" 75.90 - 79.22# BOX SETTING STANDARD - EDM FRAME STYLE                |
| A       | 05964 | D     | 11/05/12 | SLSF                | 10 1/8" 75.90 - 79.22# HANDLING PLUG   |
| M       | 05958 | G     | 01/29/15 | SLSF                | 10 1/8" 75.90 - 79.22# PIN   |
| G       | 05962 | B     | 11/05/12 | SLSF                | 10 1/8" 75.90 - 79.22# PIN SETTING STANDARD - EDM FRAME STYLE                |
| M       | 06155 | A     | 11/06/02 | SLSF                | 10 1/8" 79.22# SL SF PIN X 11 3/4" 65# SL SF PIN                             |
| M       | 06076 | A     | 12/04/02 | SLSF                | 10 3/8" 87.76# BOX   |
| M       | 06079 |       | 07/26/02 | SLSF                | 10 3/8" 87.76# BOX FORMING   |
| G       | 06082 |       | 07/26/02 | SLSF                | 10 3/8" 87.76# BOX SETTING STANDARD - EDM FRAME STYLE                        |
| T       | 06080 |       | 07/26/02 | SLSF                | 10 3/8" 87.76# EXPANSION MANDREL   |
| A       | 06077 | C     | 08/01/12 | SLSF                | 10 3/8" 87.76# HANDLING PLUG   |
| M       | 06075 | A     | 02/12/15 | SLSF                | 10 3/8" 87.76# PIN   |
| G       | 06081 |       | 07/26/02 | SLSF                | 10 3/8" 87.76# PIN SETTING STANDARD - EDM FRAME STYLE                        |
| M       | 06078 | B     | 02/23/04 | SLSF                | 10 3/8" 87.76# PIN SWAGING   |
| M       | 06214 |       | 12/20/02 | SLSF                | 10 3/8" 87.76# PIN X 10 3/4" 64# BOX CROSSOVER                               |
| M       | 06326 | A     | 07/25/03 | SLSF                | 10 3/8" 87.76# SL SF BOX X 9 7/8" 62.80# SUPREME LX PIN CROSSOVER SUB        |
| M       | 06325 | A     | 07/25/03 | SLSF                | 10 3/8" 87.76# SL SF PIN X 9 7/8" 62.80# HYDRIL SUPREME LX PIN CROSSOVER SUB |
| M       | 07950 | A     | 08/29/12 | SLSF                | 10.50" OD 8.20" ID BOX HANGER  |
| P       | 07951 |       | 03/15/12 | SLSF                | 10.50" OD 8.20" ID HANGER ACC. BLANK.DIMS                                    |
| M       | 05218 | B     | 06/26/08 | SLSF                | 10 3/4" 51 - 56# BOX   |
| M       | 05220 | C     | 06/26/08 | SLSF                | 10 3/4" 51 - 56# BOX FORMING   |
| G       | 05458 | A     | 06/26/08 | SLSF                | 10 3/4" 51 - 56# BOX SETTING STANDARD - EDM FRAME STYLE                      |
| A       | 05456 | D     | 08/01/12 | SLSF                | 10 3/4" 51 - 56# HANDLING PLUG   |
| M       | 05217 | D     | 02/10/15 | SLSF                | 10 3/4" 51 - 56# PIN   |
| G       | 05457 | A     | 06/26/08 | SLSF                | 10 3/4" 51 - 56# PIN SETTING STANDARD - EDM FRAME STYLE                      |
| M       | 05219 | E     | 06/26/08 | SLSF                | 10 3/4" 51 - 56# PIN SWAGING   |
| T       | 05694 | A     | 06/26/08 | SLSF                | 10 3/4" 51 - 56# EXPANSION MANDREL   |
| I       | 07472 |       | 05/18/10 | SLSF                | 10 3/4" 51 - 56# PIN & BOX GAGE SET. DIMS. FOR ROD STYLE STDS.               |
| X       | 08971 |       | 07/17/14 | SLSF                | 10 3/4" 55.50# HP-13CR-110 BOX FORMING                                       |
| X       | 08969 | A     | 09/14/15 | SLSF                | 10 3/4" 55.50# CRA BOX   |
| X       | 09265 |       | 07/21/16 | SLSF                | 10 3/4" 60.70# PIN (MOD)   |
| X       | 09266 |       | 07/21/16 | SLSF                | 10 3/4" 60.70# BOX (MOD)   |
| T       | 05580 | A     | 02/01/01 | SLSF                | 10 3/4" 60.70 - 65.70# EXPANSION MANDREL                                     |
| M       | 05582 | C     | 11/20/15 | SLSF                | 10 3/4" 60.70 - 65.70# BOX   |
| M       | 05584 | D     | 11/20/15 | SLSF                | 10 3/4" 60.70 - 65.70# BOX FORMING   |
| G       | 05592 |       | 10/06/00 | SLSF                | 10 3/4" 60.70 - 65.70# BOX SETTING STANDARD -EDM                             |
| A       | 05593 | D     | 08/01/12 | SLSF                | 10 3/4" 60.70 - 65.70# HANDLING PLUG   |
| M       | 05581 | E     | 11/20/15 | SLSF                | 10 3/4" 60.70 - 65.70# PIN   |

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|---------|-------|-------|----------|---------------------|--|
| G       | 05591 |       | 10/06/00 | SLSF                | 10 3/4" 60.70 - 65.70# PIN SETTING STANDARD -EDM                   |
| M       | 05583 | E     | 11/20/15 | SLSF                | 10 3/4" 60.70 - 65.70# PIN SWAGING                                 |
| M       | 06322 | A     | 07/14/03 | SLSF                | 10 3/4" 64# PIN X 10 3/8" 87.76# BOX CROSSOVER SUB                 |
| M       | 06324 | A     | 07/25/03 | SLSF                | 10 3/4" 64# SL SF BOX X 9 7/8" 62.80# SUPREME LX PIN CROSSOVER SUB |
| M       | 06159 |       | 11/05/02 | SLSF                | 10 3/4" 64.50# SL SF PIN X 11 3/4" 119.79# SL SF BOX               |
| M       | 07412 |       | 12/14/09 | SLSF                | 10 3/4" 65.70# BOX WITH 11" SPECIAL CLEARANCE O.D.                 |
| M       | 06822 |       | 10/18/05 | SLSF                | 10 3/4" 79.20 - 85.30# BOX   |
| M       | 06827 |       | 10/18/05 | SLSF                | 10 3/4" 79.20 - 85.30# BOX FORMING                                 |
| G       | 06824 |       | 10/18/05 | SLSF                | 10 3/4" 79.20 - 85.30# BOX SETTING STANDARD - EDM FRAME STYLE      |
| T       | 06828 |       | 10/18/05 | SLSF                | 10 3/4" 79.20 - 85.30# EXPANSION MANDREL                           |
| A       | 06825 | A     | 08/01/12 | SLSF                | 10 3/4" 79.20 - 85.30# HANDLING PLUG                               |
| M       | 06821 | B     | 01/29/15 | SLSF                | 10 3/4" 79.20 - 85.30# PIN   |
| G       | 06823 |       | 10/18/05 | SLSF                | 10 3/4" 79.20 - 85.30# PIN SETTING STANDARD - EDM FRAME STYLE      |
| M       | 06826 |       | 10/18/05 | SLSF                | 10 3/4" 79.20 - 85.30# PIN SWAGING                                 |
| X       | 09256 | B     | 06/22/16 | SLSF                | 10 3/4" 85.30# PIN (MOD-1)   |
| X       | 09257 | B     | 06/22/16 | SLSF                | 10 3/4" 85.30# BOX (MODIFIED)                                      |
| X       | 09258 | A     | 06/20/16 | SLSF                | 10 3/4" 85.30# PIN (MOD-2)   |
| M       | 08128 | A     | 02/12/15 | SLSF                | 11.150" 85.44 PIN  |
| M       | 08129 |       | 04/09/13 | SLSF                | 11.150" 85.44 BOX  |
| A       | 08130 |       | 04/09/13 | SLSF                | 11.150" 85.44 HANDLING PLUG  |
| G       | 08131 |       | 04/09/13 | SLSF                | 11.150" 85.44 BOX SETTING STANDARD -EDM FRAME STYLE                |
| G       | 08137 |       | 04/09/13 | SLSF                | 11.150" 85.44 PIN SETTING STANDARD -EDM FRAME STYLE                |
| P       | 08138 | A     | 04/10/17 | SLSF                | 11.150" 85.44 ACCESSORY BLANKING DIMENSIONS                        |
| M       | 08139 |       | 04/09/13 | SLSF                | 11.150" 85.44 PIN SWAGING  |
| M       | 08140 |       | 04/09/13 | SLSF                | 11.150" 85.44 BOX FORMING  |
| T       | 08141 |       | 04/09/13 | SLSF                | 11.150" 85.44 BOX EXPANSION MANDREL                                |
| M       | 07229 |       | 09/04/08 | SLSF                | 11 3/4" 54 - 60# BOX FORMING                                       |
| M       | 07228 |       | 09/04/08 | SLSF                | 11 3/4" 54 - 60# PIN SWAGING                                       |
| T       | 07230 |       | 09/04/08 | SLSF                | 11 3/4" 54 - 60# EXPANSION MANDREL                                 |
| M       | 07223 | A     | 02/19/15 | SLSF                | 11 3/4" 54 - 60# PIN   |
| M       | 07224 |       | 09/04/08 | SLSF                | 11 3/4" 54 - 60# BOX   |
| G       | 07225 |       | 09/04/08 | SLSF                | 11 3/4" 54 - 60# PIN SETTING STANDARD - EDM FRAME STYLE            |
| G       | 07226 |       | 09/04/08 | SLSF                | 11 3/4" 54 - 60# BOX SETTING STANDARD - EDM FRAME STYLE            |
| A       | 07227 | A     | 08/01/12 | SLSF                | 11 3/4" 54 - 60# HANDLING PLUG                                     |
| M       | 07376 |       | 09/23/09 | SLSF                | 11 3/4" 65# SLSF BOX x TENARISHYDRIL 523 BOX CROSSOVER SUB         |
| M       | 07375 |       | 09/23/09 | SLSF                | 11 3/4" 65# ON 12" 125.60# PIPE PIN x PIN P.B.R. CROSSOVER SUB     |
| T       | 05685 |       | 02/02/01 | SLSF                | 11 3/4" 65 - 71# EXPANSION MANDREL                                 |
| M       | 05009 | B     | 01/11/01 | SLSF                | 11 3/4" 65 - 71# BOX   |
| M       | 05099 | C     | 02/23/04 | SLSF                | 11 3/4" 65 - 71# BOX FORMING                                       |

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|---------|-------|-------|----------|---------------------|--|
| A       | 05138 | D     | 08/01/12 | SLSF                | 11 3/4" 65 - 71# HANDLING PLUG                                 |
| M       | 05008 | D     | 02/19/15 | SLSF                | 11 3/4" 65 - 71# PIN   |
| M       | 05136 | E     | 02/23/04 | SLSF                | 11 3/4" 65 - 71# PIN SWAGING                                   |
| M       | 06017 |       | 06/26/02 | SLSF                | 11 3/4" 65 BOX (FOR CONOCO SPA)                                |
| G       | 05101 | A     | 11/11/99 | SLSF                | 11 3/4" 65 - 71# BOX SETTING STD. - EDM FRAME STYLE            |
| G       | 05100 | A     | 11/11/99 | SLSF                | 11 3/4" 65 - 71# PIN SETTING STD - EDM FRAME STYLE             |
| M       | 07801 |       | 07/08/11 | SLSF                | 11 3/4" 80.50# PIN SWAGING                                     |
| M       | 07802 |       | 07/08/11 | SLSF                | 11 3/4" 80.50# BOX FORMING                                     |
| T       | 07803 |       | 07/08/11 | SLSF                | 11 3/4" 80.50# EXPANSION MANDREL                               |
| M       | 07798 | A     | 02/12/15 | SLSF                | 11 3/4" 80.50# PIN   |
| M       | 07799 |       | 07/08/11 | SLSF                | 11 3/4" 80.50# BOX   |
| A       | 07800 | A     | 08/01/12 | SLSF                | 11 3/4" 80.50# HANDLING PLUG                                   |
| G       | 07804 |       | 07/08/11 | SLSF                | 11 3/4" 80.50# PIN SETTING STANDARD - EDM FRAME STYLE          |
| G       | 07805 |       | 07/08/11 | SLSF                | 11 3/4" 80.50# BOX SETTING STANDARD - EDM FRAME STYLE          |
| M       | 06669 | B     | 07/18/13 | SLSF                | 11 3/4" 93.23 - 100.01# BOX                                    |
| M       | 06674 |       | 11/09/04 | SLSF                | 11 3/4" 93.23 - 100.01# BOX FORMING                            |
| G       | 06671 |       | 11/09/04 | SLSF                | 11 3/4" 93.23 - 100.01# BOX SETTING STANDARD - EDM FRAME STYLE |
| T       | 06675 |       | 11/09/04 | SLSF                | 11 3/4" 93.23 - 100.01# EXPANSION MANDREL                      |
| A       | 06672 | B     | 07/18/13 | SLSF                | 11 3/4" 93.23 - 100.01# HANDLING PLUG                          |
| M       | 06668 | A     | 02/02/15 | SLSF                | 11 3/4" 93.23 - 100.01# PIN                                    |
| G       | 06670 |       | 11/09/04 | SLSF                | 11 3/4" 93.23 - 100.01# PIN SETTING STANDARD - EDM FRAME STYLE |
| M       | 06673 |       | 11/09/04 | SLSF                | 11 3/4" 93.23 - 100.01# PIN SWAGING                            |
| A       | 09073 |       | 02/13/15 | SLSF                | 11 3/4" 100.01# SPECIAL LIFT PLUG FOR HALLIBURTON              |
| M       | 06084 | C     | 12/04/02 | SLSF                | 11 3/4" 119.79# BOX  |
| M       | 06087 |       | 07/26/02 | SLSF                | 11 3/4" 119.79# BOX FORMING                                    |
| G       | 06090 |       | 07/26/02 | SLSF                | 11 3/4" 119.79# BOX SETTING STANDARD - EDM FRAME STYLE         |
| T       | 06088 |       | 07/26/02 | SLSF                | 11 3/4" 119.79# EXPANSION MANDREL                              |
| A       | 06085 | C     | 08/01/12 | SLSF                | 11 3/4" 119.79# HANDLING PLUG                                  |
| M       | 06083 | B     | 02/17/15 | SLSF                | 11 3/4" 119.79# PIN  |
| G       | 06089 |       | 07/26/02 | SLSF                | 11 3/4" 119.79# PIN SETTING STANDARD - EDM FRAME STYLE         |
| M       | 06086 | B     | 02/23/04 | SLSF                | 11 3/4" 119.79# PIN SWAGING                                    |
| P       | 05679 | U     | 04/10/17 | SLSF                | 11 3/4" - 14.344" ACCESSORY BLANKING DIMENSIONS                |
| M       | 05148 | A     | 01/11/01 | SLSF                | 11 7/8" 71.80# BOX   |
| M       | 05150 | C     | 02/23/04 | SLSF                | 11 7/8" 71.80# BOX FORMING                                     |
| G       | 05158 |       | 08/10/99 | SLSF                | 11 7/8" 71.80# BOX SETTING STANDARD - EDM FRAME STYLE          |
| M       | 06627 |       | 09/08/04 | SLSF                | 11 7/8" 71.80# BOX W/ 12.015" SP. CLR. OD FOR CHEVRON          |
| T       | 05688 |       | 02/02/01 | SLSF                | 11 7/8" 71.80# EXPANSION MANDREL                               |
| A       | 05163 | C     | 08/01/12 | SLSF                | 11 7/8" 71.80# HANDLING PLUG                                   |
| M       | 05147 | C     | 01/08/15 | SLSF                | 11 7/8" 71.80# PIN   |

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|---------|-------|-------|----------|---------------------|---|
| G       | 05157 |       | 08/10/99 | SLSF                | 11 7/8" 71.80# PIN SETTING STANDARD - EDM FRAME STYLE             |
| M       | 05149 | E     | 02/23/04 | SLSF                | 11 7/8" 71.80# PIN SWAGING  |
| M       | 06243 |       | 01/22/02 | SLSF                | 11 7/8" 71.80# PIN X 13 5/8" 88.20# BOX CROSSOVER                 |
| M       | 06173 |       | 11/06/02 | SLSF                | 12 1/8" p.b.r. 11 3/4" 65# Accessory box connector                |
| M       | 05451 | A     | 01/11/01 | SLSF                | 13 3/8" 61 - 68# BOX  |
| M       | 05453 | B     | 02/23/04 | SLSF                | 13 3/8" 61 - 68# BOX FORMING                                      |
| G       | 05449 |       | 05/10/00 | SLSF                | 13 3/8" 61 - 68# BOX SETTING STANDARD - EDM FRAME STYLE           |
| T       | 05698 |       | 02/02/01 | SLSF                | 13 3/8" 61 - 68# EXPANSION MANDREL                                |
| A       | 05454 | E     | 08/01/12 | SLSF                | 13 3/8" 61 - 68# HANDLING PLUG                                    |
| M       | 05450 | C     | 02/12/15 | SLSF                | 13 3/8" 61 - 68# PIN  |
| G       | 05448 |       | 05/10/00 | SLSF                | 13 3/8" 61 - 68# PIN SETTING STANDARD - EDM FRAME STYLE           |
| M       | 05452 | D     | 02/23/04 | SLSF                | 13 3/8" 61 - 68# PIN SWAGING                                      |
| T       | 05691 |       | 02/02/01 | SLSF                | 13 3/8" 72 - 77# EXPANSION MANDREL                                |
| M       | 05196 | B     | 01/11/01 | SLSF                | 13 3/8" 72 - 77# BOX  |
| M       | 05198 | C     | 02/23/04 | SLSF                | 13 3/8" 72 - 77# BOX FORMING                                      |
| G       | 05204 | A     | 11/11/99 | SLSF                | 13 3/8" 72 - 77# BOX SETTING STANDARD - EDM FRAME STYLE           |
| A       | 05339 | E     | 08/01/12 | SLSF                | 13 3/8" 72 - 77# HANDLING PLUG                                    |
| M       | 05195 | D     | 02/12/15 | SLSF                | 13 3/8" 72 - 77# PIN  |
| G       | 05203 | A     | 11/11/99 | SLSF                | 13 3/8" 72 - 77# PIN SETTING STANDARD - EDM FRAME STYLE           |
| M       | 05197 | E     | 02/23/04 | SLSF                | 13 3/8" 72 - 77# PIN SWAGING                                      |
| I       | 07394 |       | 10/08/09 | SLSF                | 13 3/8" 72 - 77# PIN & BOX GAGE SET. DIMS FOR ROD STYLE STANDARDS |
| M       | 06347 |       | 08/14/03 | SLSF                | 13 3/8" 72# PIN X 13 5/8" 88.20# BOX CROSSOVER SUB                |
| M       | 09001 |       | 08/28/14 | SLSF                | 13 3/8" 72# PIN on 13 5/8" 88.20# CROSSOVER SUB                   |
| M       | 09002 |       | 08/28/14 | SLSF                | 13 3/8" 72# BOX on 13 5/8" 88.20# CROSSOVER SUB                   |
| M       | 07196 | A     | 02/12/15 | SLSF                | 13 3/8" 80.70 - 86.00# PIN  |
| M       | 07197 |       | 06/02/08 | SLSF                | 13 3/8" 80.70 - 86.00# BOX  |
| G       | 07198 |       | 06/02/08 | SLSF                | 13 3/8" 80.70 - 86.00# PIN SETTING STANDARD - EDM FRAME STYLE     |
| G       | 07199 |       | 06/02/08 | SLSF                | 13 3/8" 80.70 - 86.00# BOX SETTING STANDARD - EDM FRAME STYLE     |
| A       | 07200 | A     | 08/01/12 | SLSF                | 13 3/8" 80.70 - 86.00# HANDLING PLUG                              |
| M       | 07201 |       | 06/02/08 | SLSF                | 13 3/8" 80.70 - 86.00# PIN SWAGING                                |
| M       | 07202 |       | 06/02/08 | SLSF                | 13 3/8" 80.70 - 86.00# BOX FORMING                                |
| T       | 07203 |       | 06/02/08 | SLSF                | 13 3/8" 80.70 - 86.00# EXPANSION MANDREL                          |
| M       | 05152 | C     | 08/01/11 | SLSF                | 13 5/8" 88.20# BOX  |
| M       | 06582 |       | 05/05/04 | SLSF                | 13 5/8" 88.20# BOX (SP. CLR. FOR CHEVRON)                         |
| M       | 06583 |       | 05/07/04 | SLSF                | 13 5/8" 88.20# BOX ACC. BLANK. DIM. (SP. CLR. FOR CHEVRON)        |
| M       | 05442 | A     | 01/11/01 | SLSF                | 13 5/8" 88.20# BOX CONNECTOR W/ 14.100" BOX OD (CHEVRON)          |
| M       | 05154 | C     | 02/23/04 | SLSF                | 13 5/8" 88.20# BOX FORMING  |
| G       | 05160 |       | 08/10/99 | SLSF                | 13 5/8" 88.20# BOX SETTING STANDARD - EDM FRAME STYLE             |
| T       | 05689 |       | 02/02/01 | SLSF                | 13 5/8" 88.20# EXPANSION MANDREL                                  |

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|---------|-------|-------|----------|---------------------|---|
| A       | 05164 | G     | 08/01/12 | SLSF                | 13 5/8" 88.20# HANDLING PLUG  |
| M       | 05151 | E     | 01/08/15 | SLSF                | 13 5/8" 88.20# PIN  |
| G       | 05159 |       | 08/10/99 | SLSF                | 13 5/8" 88.20# PIN SETTING STANDARD - EDM FRAME STYLE                                       |
| M       | 05153 | E     | 02/23/04 | SLSF                | 13 5/8" 88.20# PIN SWAGING  |
| M       | 05786 |       | 06/27/01 | SLSF                | 13 5/8" 88.20# PIN X 14 1/16" 122# BOX - CROSSOVER SUB                                      |
| M       | 06443 |       | 12/03/03 | SLSF                | 13 5/8" 88.20# SL SF BOX X 11 7/8" 71.80# HYDRIL 511 PIN CROSSOVER SUB                      |
| M       | 07162 |       | 03/07/08 | SLSF                | 13 5/8" 88.20# BOX x 14" 112.60# PIN CROSSOVER SUB  |
| I       | 07310 |       | 04/15/09 | SLSF                | 13 5/8" 88.20# PIN & BOX GAGE SETTING DIMS. FOR ROD STYLE STDS.                             |
| M       | 08241 |       | 01/15/14 | SLSF                | 13 5/8" 88.20# SL SF PIN x 14" 115.53# SL SF BOX  |
| M       | 08242 |       | 01/15/14 | SLSF                | 13 5/8" 88.20# SL SF BOX x 14" 115.53# SL SF PIN  |
| X       | 09296 | B     | 09/22/16 | SLSF                | 13 5/8" 88.20# BOX (MOD)  |
| M       | 06392 | C     | 08/01/11 | SLSF                | 13 3/4" 98.58# BOX  |
| M       | 06394 | A     | 02/18/11 | SLSF                | 13 3/4" 98.58# BOX FORMING  |
| G       | 06397 | C     | 02/18/11 | SLSF                | 13 3/4" 98.58# BOX SETTING STANDARD - EDM FRAME STYLE                                       |
| T       | 06400 | A     | 02/18/11 | SLSF                | 13 3/4" 98.58# EXPANSION MANDREL  |
| A       | 06395 | D     | 08/01/12 | SLSF                | 13 3/4" 98.58# HANDLING PLUG  |
| M       | 06391 | B     | 01/08/15 | SLSF                | 13 3/4" 98.58# PIN  |
| G       | 06396 | A     | 02/18/11 | SLSF                | 13 3/4" 98.58# PIN SETTING STANDARD - EDM FRAME STYLE                                       |
| M       | 06393 | C     | 02/18/11 | SLSF                | 13 3/4" 98.58# PIN SWAGING  |
| T       | 09252 | B     | 06/09/16 | SLSF                | 14" 104.20# - 116.19# SL SF 6 5/8" FULL HOLE X 14" RETRIEVAL SWAGE TOOL                     |
| M       | 06640 |       | 10/12/04 | SLSF                | 14" 100# BOX  |
| M       | 06645 |       | 10/12/04 | SLSF                | 14" 100# BOX FORMING  |
| G       | 06642 |       | 10/12/04 | SLSF                | 14" 100# BOX SETTING STANDARD - EDM FRAME STYLE   |
| T       | 06646 | A     | 11/09/04 | SLSF                | 14" 100# EXPANSION MANDREL  |
| A       | 06643 | A     | 08/01/12 | SLSF                | 14" 100# HANDLING PLUG  |
| M       | 06639 | A     | 01/09/15 | SLSF                | 14" 100# PIN  |
| G       | 06641 |       | 10/12/04 | SLSF                | 14" 100# PIN SETTING STANDARD - EDM FRAME STYLE   |
| M       | 06644 |       | 10/12/04 | SLSF                | 14" 100# PIN SWAGING  |
| M       | 05382 | J     | 08/05/13 | SLSF                | 14" 104.20 - 116.19# BOX  |
| M       | 05385 | F     | 09/13/12 | SLSF                | 14" 104.20 - 116.19# BOX FORMING  |
| M       | 05381 | K     | 01/29/15 | SLSF                | 14" 104.20 - 116.19# PIN  |
| M       | 05384 | H     | 09/13/12 | SLSF                | 14" 104.20 - 116.19# PIN SWAGING  |
| G       | 05386 | C     | 08/04/09 | SLSF                | 14" 104.20# - 116.19#; 14 1/16" 118 - 122#; 14.150" 126.82# PIN SET. STD. - EDM FRAME STYLE |
| G       | 05387 | C     | 12/18/12 | SLSF                | 14" 104.20# - 116.19#; 14 1/16" 118 - 122#; 14.150" 126.82# BOX SET. STD. - EDM FRAME STYLE |
| T       | 05697 | B     | 08/04/09 | SLSF                | 14" 104.20# - 116.19# & 14 1/16" 118 - 122# EXPANSION MANDREL                               |
| A       | 05383 | G     | 01/07/13 | SLSF                | 14" 104.20 - 116.19# & 14 1/16" 118.00# - 122.00# & 14.150" 126.82# HANDLING PLUG           |
| M       | 07836 | A     | 03/11/15 | SLSF                | 14" 115.53# PIN (FOR ENI)   |
| M       | 07834 |       | 09/07/11 | SLSF                | 14" 115.53# BOX (FOR ENI)   |
| M       | 07832 | A     | 08/23/11 | SLSF                | 14" 115.53# PIN x 14" 100# BOX CROSS OVER SUB   |

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|---------|-------|-------|----------|---------------------|--|
| X       | 09300 |       | 11/01/16 | SLSF                | 14" 115.53# BOX (NEW DESIGN)   |
| M       | 06749 |       | 04/25/05 | SLSF                | 14" 116.19# PIN X 13 5/8" 88.20# BOX CROSSOVER SUB                                 |
| M       | 05751 | A     | 09/10/09 | SLSF                | 14 1/16" 118 - 122# BOX  |
| M       | 05753 | A     | 02/23/04 | SLSF                | 14 1/16" 118 - 122# BOX FORMING  |
| M       | 05750 | A     | 02/18/15 | SLSF                | 14 1/16" 118 - 122# PIN  |
| M       | 05752 | B     | 02/23/04 | SLSF                | 14 1/16" 118 - 122# PIN SWAGING  |
| M       | 08068 | C     | 12/03/13 | SLSF                | 14.150" 126.82# Box  |
| M       | 08069 | B     | 02/03/15 | SLSF                | 14.150" 126.82# Pin  |
| M       | 08070 |       | 01/02/13 | SLSF                | 14.150" 126.82# Pin Swaging  |
| M       | 08076 |       | 01/02/13 | SLSF                | 14.150" 126.82# Box Forming  |
| T       | 08077 | A     | 09/18/13 | SLSF                | 14.150" 126.82# & 14 1/4" 133.75 Box Expansion Mandrel                             |
| M       | 08202 | A     | 02/18/15 | SLSF                | 14 1/4" 133.75# PIN  |
| M       | 08203 |       | 09/13/13 | SLSF                | 14 1/4" 133.75# BOX  |
| G       | 08204 |       | 09/13/13 | SLSF                | 14 1/4" 133.75# PIN SET. STD. - EDM FRAME STYLE                                    |
| G       | 08205 |       | 09/13/13 | SLSF                | 14 1/4" 133.75# BOX SET. STD. - EDM FRAME STYLE                                    |
| M       | 08208 |       | 09/13/13 | SLSF                | 14 1/4" 133.75# PIN SWAGING  |
| M       | 08209 |       | 09/13/13 | SLSF                | 14 1/4" 133.75# BOX FORMING  |
| A       | 08210 |       | 09/13/13 | SLSF                | 14 1/4" 133.75# HANDLING PLUG  |
| M       | 06775 | C     | 02/18/15 | SLSF                | 16" 84 - 84.80# PIN  |
| M       | 06776 | B     | 06/26/08 | SLSF                | 16" 84 - 84.80# BOX  |
| G       | 06777 | B     | 03/31/09 | SLSF                | 16" 84 - 84.80# & 16.100" 103.39# PIN SETTING STANDARD - EDM FRAME STYLE           |
| G       | 06778 | D     | 03/31/09 | SLSF                | 16" 84 - 84.80# & 16.100" 103.39# BOX SETTING STANDARD - EDM FRAME STYLE           |
| A       | 06779 | E     | 08/01/12 | SLSF                | 16" 84 - 84.80# HANDLING PLUG  |
| M       | 06780 | A     | 06/26/08 | SLSF                | 16" 84 - 84.80# PIN SWAGING  |
| M       | 06781 | A     | 06/26/08 | SLSF                | 16" 84 - 84.80# BOX FORMING  |
| T       | 06782 | A     | 06/26/08 | SLSF                | 16" 84 - 84# EXPANSION MANDREL   |
| G       | 06679 | E     | 08/11/11 | SLSF                | 16" 94.50 - 99# AND 16.040" 109.61# PIN SETTING STANDARD - EDM FRAME STYLE         |
| M       | 06683 | B     | 03/02/06 | SLSF                | 16" 94.50 - 99# BOX FORMING  |
| G       | 06680 | F     | 08/11/11 | SLSF                | 16" 94.50 - 99# AND 16.040" 109.61# BOX SETTING STANDARD - EDM FRAME STYLE         |
| T       | 06684 | D     | 08/11/11 | SLSF                | 16" 94.50 - 99# AND 16.040" 109.61# EXPANSION MANDREL                              |
| A       | 06681 | J     | 08/01/12 | SLSF                | 16" 94.50 - 99# AND 16.040" 109.61# HANDLING PLUG                                  |
| M       | 06682 | B     | 03/02/06 | SLSF                | 16" 94.50 - 99# PIN SWAGING  |
| M       | 06678 | D     | 03/02/06 | SLSF                | 16" 94.50 - 99# BOX  |
| M       | 06677 | F     | 01/09/15 | SLSF                | 16" 94.50 - 99# PIN  |
| I       | 07086 | A     | 08/11/11 | SLSF                | 16" 94.50 - 99# & 16.040" 109.61# PIN & BOX GAGE SET. DIMS FOR ROD STYLE STANDARDS |
| M       | 06784 | A     | 06/16/08 | SLSF                | 16" 109 - 112.62# BOX  |
| M       | 06789 | A     | 06/16/08 | SLSF                | 16" 109 - 112.62# BOX FORMING  |
| G       | 06786 | A     | 06/16/08 | SLSF                | 16" 109 - 112.62# BOX SETTING STANDARD - EDM FRAME STYLE                           |
| T       | 06790 | A     | 08/02/05 | SLSF                | 16" 109 - 112.62# EXPANSION MANDREL  |

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|---------|-------|-------|----------|---------------------|--|
| A       | 06787 | D     | 08/01/12 | SLSF                | 16" 109 - 112.62 HANDLING PLUG                                   |
| M       | 06783 | C     | 02/18/15 | SLSF                | 16" 109 - 112.62# PIN  |
| G       | 06785 | A     | 06/16/08 | SLSF                | 16" 109 - 112.62# PIN SETTING STANDARD - EDM FRAME STYLE         |
| M       | 06788 | A     | 06/16/08 | SLSF                | 16" 109 - 112.62# PIN SWAGING                                    |
| M       | 07809 |       | 07/08/11 | SLSF                | 16" 127.06# PIN SWAGING  |
| M       | 07810 |       | 07/08/11 | SLSF                | 16" 127.06# BOX FORMING  |
| T       | 07811 |       | 07/08/11 | SLSF                | 16" 127.06# EXPANSION MANDREL                                    |
| M       | 07806 | B     | 02/18/15 | SLSF                | 16" 127.06# PIN  |
| M       | 07807 |       | 07/08/11 | SLSF                | 16" 127.06# BOX  |
| A       | 07808 | A     | 08/01/12 | SLSF                | 16" 127.06# HANDLING PLUG  |
| G       | 07812 |       | 07/08/11 | SLSF                | 16" 127.06# PIN SETTING STANDARD - EDM FRAME STYLE               |
| G       | 07813 |       | 07/08/11 | SLSF                | 16" 127.06# BOX SETTING STANDARD - EDM FRAME STYLE               |
| M       | 08143 | A     | 02/18/15 | SLSF                | 16" 137.97# PIN  |
| M       | 08144 | A     | 08/06/13 | SLSF                | 16" 137.97# BOX  |
| M       | 08145 |       | 05/13/13 | SLSF                | 16" 137.97# PIN SWAGING  |
| M       | 08146 |       | 05/13/13 | SLSF                | 16" 137.97# BOX FORMING  |
| G       | 08147 |       | 05/13/13 | SLSF                | 16" 137.97# PIN SETTING STD. - EDM FRAME STYLE                   |
| G       | 08148 |       | 05/13/13 | SLSF                | 16" 137.97# BOX SETTING STD. - EDM FRAME STYLE                   |
| A       | 08149 |       | 05/13/13 | SLSF                | 16" 137.97# HANDLING PLUG  |
| T       | 08150 |       | 05/13/13 | SLSF                | 16" 137.97# BOX EXPANSION MANDREL                                |
| P       | 06685 | L     | 04/10/17 | SLSF                | 16" - 18" ACCESSORY BLANKING DIMENSIONS                          |
| M       | 07081 | C     | 01/21/15 | SLSF                | 16.040" 109.61# PIN  |
| M       | 07082 | A     | 08/11/11 | SLSF                | 16.040" 109.61# BOX  |
| M       | 07083 | A     | 08/11/11 | SLSF                | 16.040" 109.61# PIN SWAGING                                      |
| M       | 07084 | A     | 08/11/11 | SLSF                | 16.040" 109.61# BOX FORMING                                      |
| M       | 07346 | A     | 08/11/11 | SLSF                | 16.040" 109.61# SLSF BOX x 16" 97# SLSF PIN CROSSOVER SUB        |
| M       | 07301 | B     | 01/08/15 | SLSF                | 16.100" 103.39 PIN   |
| M       | 07302 | A     | 05/08/12 | SLSF                | 16.100" 103.39 BOX   |
| M       | 07303 |       | 03/31/09 | SLSF                | 16.100" 103.39 PIN SWAGING                                       |
| M       | 07304 |       | 03/31/09 | SLSF                | 16.100" 103.39 BOX FORMING                                       |
| T       | 07305 |       | 03/31/09 | SLSF                | 16.100" 103.39 EXPANSION MANDREL                                 |
| A       | 07307 | A     | 08/01/12 | SLSF                | 16.100" 103.39 HANDLING PLUG                                     |
| M       | 07344 |       | 05/29/09 | SLSF                | 16.100" 103.39 SLSF PIN x 16" 97# BOX CROSSOVER SUB              |
| M       | 07345 |       | 05/29/09 | SLSF                | 16.100" 103.39 SLSF BOX x 16" 97# PIN CROSSOVER SUB              |
| M       | 07779 | E     | 01/21/15 | SLSF                | 16.150" 119.23# - 126.91# PIN                                    |
| M       | 07780 | A     | 02/01/12 | SLSF                | 16.150" 119.23# - 126.91# BOX                                    |
| G       | 07781 | D     | 02/01/12 | SLSF                | 16.150" 119.23# - 126.91# PIN SETTING STANDARD - EDM FRAME STYLE |
| G       | 07782 |       | 06/16/11 | SLSF                | 16.150" 119.23# - 126.91# BOX SETTING STANDARD - EDM FRAME STYLE |
| A       | 07783 | A     | 08/01/12 | SLSF                | 16.150" 119.23# - 126.91# HANDLING PLUG                          |



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|---------|-------|-------|----------|---------------------|---|
| M       | 07784 |       | 06/16/11 | SLSF                | 16.150" 119.23# - 126.91# PIN SWAGING                               |
| M       | 07785 |       | 06/16/11 | SLSF                | 16.150" 119.23# - 126.91# BOX FORMING                               |
| T       | 07786 |       | 06/16/11 | SLSF                | 16.150" 119.23# - 126.91# EXPANSION MANDREL                         |
| X       | 08257 |       | 02/24/14 | SLSF                | 16.150" 119.23# - 126.91# PIN PROTOTYPE                             |
| X       | 08258 |       | 02/24/14 | SLSF                | 16.150" 119.23# - 126.91# PIN SET. STD. - EDM FRAME STYLE PROTOTYPE |
| G       | 07960 |       | 03/23/12 | SLSF                | 17.40" x 15.50" ID PIN HANGER SETTING STANDARD - EDM FRAME STYLE    |
| G       | 07961 | B     | 06/03/03 | SLSF                | 17.40" x 15.50" ID BOX HANGER SETTING STANDARD - EDM FRAME STYLE    |
| P       | 07972 |       | 05/10/12 | SLSF                | 17.40" x 15.50" ID HANGER ACCESSORY BLANKING DIMENSIONS             |
| M       | 06973 |       | 02/07/07 | SLSF                | 18" 93.45 BOX   |
| M       | 06978 |       | 02/07/07 | SLSF                | 18" 93.45 BOX FORMING   |
| G       | 06975 |       | 02/07/07 | SLSF                | 18" 93.45 BOX SETTING STANDARD - EDM FRAME STYLE                    |
| T       | 06979 |       | 02/07/07 | SLSF                | 18" 93.45 EXPANSION MANDREL   |
| A       | 06976 | B     | 08/01/12 | SLSF                | 18" 93.45 HANDLING PLUG   |
| M       | 06972 | B     | 02/18/15 | SLSF                | 18" 93.45 PIN   |
| G       | 06974 |       | 02/07/07 | SLSF                | 18" 93.45 PIN SETTING STANDARD - EDM FRAME STYLE                    |
| M       | 06977 |       | 02/07/07 | SLSF                | 18" 93.45 PIN SWAGING   |
| M       | 06981 |       | 02/07/07 | SLSF                | 18" 116.09 BOX  |
| M       | 06986 |       | 02/07/07 | SLSF                | 18" 116.09 BOX FORMING  |
| G       | 06983 |       | 02/07/07 | SLSF                | 18" 116.09 BOX SETTING STANDARD - EDM FRAME STYLE                   |
| T       | 06987 |       | 02/07/07 | SLSF                | 18" 116.09 EXPANSION MANDREL  |
| A       | 06984 | B     | 08/01/12 | SLSF                | 18" 116.09 HANDLING PLUG  |
| M       | 06980 | B     | 01/13/15 | SLSF                | 18" 116.09 PIN  |
| G       | 06982 |       | 02/07/07 | SLSF                | 18" 116.09 PIN SETTING STANDARD - EDM FRAME STYLE                   |
| M       | 06985 | A     | 04/27/07 | SLSF                | 18" 116.09 PIN SWAGING  |
| A       | 07997 | A     | 07/30/12 | SLSF                | HANDLING PLUG MODIFICATION FOR SL SF CASING (ENGR DIR. 1033)        |
| M       | 06492 |       | 01/20/04 | SLWASH PIPE         | 3 1/2" 9.20# - 4" 11.60# BOX  |
| M       | 06491 |       | 01/20/04 | SLWASH PIPE         | 3 1/2" 9.20# - 4" 11.60# PIN  |
| M       | 06494 |       | 01/20/04 | SLWASH PIPE         | 4" 14# - 5 3/4" 22.50# BOX  |
| M       | 06493 |       | 01/20/04 | SLWASH PIPE         | 4" 14# - 5 3/4" 22.50# PIN  |
| M       | 06496 |       | 01/20/04 | SLWASH PIPE         | 6" 20# - 6 5/8" 24# BOX   |
| M       | 06495 |       | 01/20/04 | SLWASH PIPE         | 6" 20# - 6 5/8" 24# PIN   |
| M       | 06498 |       | 01/20/04 | SLWASH PIPE         | 7" 26# - 11 3/4" 60# BOX  |
| M       | 06497 |       | 01/20/04 | SLWASH PIPE         | 7" 26# - 11 3/4" 60# PIN  |
| M       | 09731 |       | 02/08/19 | SLXD                | 2.875" 6.40# - 8.60# PIN TUBING                                     |
| M       | 09732 |       | 02/08/19 | SLXD                | 2.875" 6.40# - 8.60# COUPLING TUBING                                |
| G       | 09733 |       | 02/08/19 | SLXD                | 2.875" 6.40# - 8.60# TUBING PIN SET. STD. - EDM FRAME STYLE         |
| G       | 09734 |       | 02/08/19 | SLXD                | 2.875" 6.40# - 8.60# TUBING BOX SET. STD. - EDM FRAME STYLE         |
| M       | 09736 |       | 02/08/19 | SLXD                | 2.875" 6.40# - 8.60# TUBING PIN SWAGING                             |
| T       | 09751 |       | 03/12/19 | SLXD                | 2.875" 6.40# - 8.60# PIN SWAGING DIE                                |

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|---------|-------|-------|----------|---------------------|--|
| T       | 09509 | A     | 11/30/18 | SLXD                | 3 1/2" 9.20# - 12.90# PIN SWAGING DIE                      |
| M       | 09434 | A     | 03/08/18 | SLXD                | 3 1/2" 9.20# - 12.70# PIN                                  |
| M       | 09435 | A     | 05/23/19 | SLXD                | 3.500" 9.20# - 12.70# COUPLING                             |
| G       | 09436 |       | 02/27/18 | SLXD                | 3 1/2" 9.20# - 12.70# PIN SET. STD. - EDM FRAME STYLE      |
| G       | 09437 |       | 02/27/18 | SLXD                | 3 1/2" 9.20# - 12.70# BOX SET. STD. - EDM FRAME STYLE      |
| A       | 09438 |       | 02/27/18 | SLXD                | 3 1/2" 9.20# - 12.70# INTERNAL TOOL GUIDE                  |
| M       | 09440 |       | 02/27/18 | SLXD                | 3 1/2 9.20# - 12.70# PIN SWAGING                           |
| M       | 09737 |       | 07/01/19 | SLXD                | 4.000" 9.50# - 16.100# PIN                                 |
| M       | 09738 |       | 07/01/19 | SLXD                | 4.000" 9.50# - 16.100# COUPLING                            |
| M       | 09026 | B     | 07/24/17 | SLXD                | 4 1/2" (.271" WALL) 12.60# PIN                             |
| M       | 09027 |       | 09/16/14 | SLXD                | 4 1/2" (.271" WALL) 12.60# BOX                             |
| G       | 09028 |       | 09/16/14 | SLXD                | 4 1/2" (.271" WALL) 12.60# PIN SET. STD. - EDM FRAME STYLE |
| G       | 09029 |       | 09/16/14 | SLXD                | 4 1/2" (.271" WALL) 12.60# BOX SET. STD. - EDM FRAME STYLE |
| A       | 09030 |       | 09/16/14 | SLXD                | 4 1/2" (.271" WALL) 12.60# INTERNAL TOOL GUIDE             |
| M       | 09032 |       | 12/12/14 | SLXD                | 4 1/2" 12.60# PIN SWAGING                                  |
| M       | 09473 | C     | 01/25/19 | SLXD                | 4 1/2" 13.50# - 17# PIN                                    |
| M       | 09474 | C     | 01/28/19 | SLXD                | 4 1/2" 13.50# - 17# COUPLING                               |
| G       | 09475 | B     | 09/24/18 | SLXD                | 4 1/2" 13.50# - 17# PIN SET. STD. - EDM FRAME STYLE        |
| G       | 09476 | B     | 09/24/18 | SLXD                | 4 1/2" 13.50# - 17# BOX SET. STD. - EDM FRAME STLYE        |
| A       | 09477 | B     | 09/24/18 | SLXD                | 4 1/2" 13.50# - 17# INTERNAL TOOL GUIDE                    |
| M       | 09478 | B     | 09/24/18 | SLXD                | 4 1/2" 13.50# - 17# PIN SWAGING                            |
| T       | 09518 | C     | 10/19/18 | SLXD                | 4 1/2" 13.50# - 17# PIN SWAGING DIE                        |
| M       | 08259 | B     | 10/03/17 | SLXD                | 5 1/2" 15.50# - 20# PIN                                    |
| M       | 08260 | A     | 10/03/17 | SLXD                | 5 1/2" 15.50# - 20# COUPLING                               |
| A       | 08263 | A     | 10/03/17 | SLXD                | 5 1/2" 15.50# - 20# INTERNAL TOOL GUIDE                    |
| G       | 08261 | A     | 10/03/17 | SLXD                | 5 1/2" 15.50# - 20# PIN SETTING STANDARD - EDM FRAME STYLE |
| G       | 08262 | A     | 10/03/17 | SLXD                | 5 1/2" 15.50# - 20# BOX SETTING STANDARD - EDM FRAME STYLE |
| M       | 08265 | B     | 10/03/17 | SLXD                | 5 1/2" 15.50# - 20# PIN SWAGING                            |
| P       | 08264 | A     | 10/16/17 | SLXD                | 5 1/2" 15.50# - 20# ACCESSORY BLANKING DIMENSION           |
| M       | 09663 |       | 12/05/18 | SLXD                | 5 1/2" 23# - 29.70# PIN                                    |
| M       | 09664 |       | 12/05/18 | SLXD                | 5 1/2" 23# - 29.70# COUPLING                               |
| G       | 09722 |       | 12/05/18 | SLXD                | 5 1/2" 23# - 29.70# PIN SET. STD - EDM FRAME STYLE         |
| G       | 09723 |       | 12/05/18 | SLXD                | 5 1/2" 23# - 29.70# BOX SET. STD - EDM FRAME STYLE         |
| A       | 09724 |       | 12/05/18 | SLXD                | 5 1/2" 23# - 29.70# INTERNAL TOOL GUIDE                    |
| M       | 09725 |       | 12/05/18 | SLXD                | 5 1/2" 23# - 29.70# PIN SWAGING                            |
| T       | 09726 |       | 12/05/18 | SLXD                | 5 1/2" 23# - 29.70# PIN SWAGING DIE                        |
| M       | 08688 |       | 02/10/15 | SLXD                | 6 5/8" 28# (.417" WALL) PIN                                |
| M       | 08689 |       | 02/10/15 | SLXD                | 6 5/8" 28# (.417" WALL) COUPLING                           |
| G       | 08690 |       | 02/10/15 | SLXD                | 6 5/8" 28# (.417" WALL) PIN SET. STD. - EDM FRAME STYLE    |

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|---------|-------|-------|----------|---------------------|---|
| G       | 08691 |       | 02/10/15 | SLXD                | 6 5/8" 28# (.417" WALL) BOX SET. STD. - EDM FRAME STYLE |
| A       | 08692 |       | 02/10/15 | SLXD                | 6 5/8" 28# (.417" WALL) INTERNAL TOOL GUIDE             |
| P       | 08693 |       | 02/10/15 | SLXD                | 6 5/8" 28# (.417" WALL) ACC. BLANK DIMS.                |
| M       | 08694 |       | 02/10/15 | SLXD                | 6 5/8" 28# PIN SWAGING                                  |
| T       | 09549 |       | 05/17/18 | SLXD                | 7" 23 - 29# PIN SWAGING DIE                             |
| M       | 08080 | C     | 05/22/18 | SLXD                | 7" 23 - 29# PIN SWAGING                                 |
| M       | 08084 | E     | 05/22/18 | SLXD                | 7" 23 - 29# PIN   |
| M       | 08085 | D     | 05/22/18 | SLXD                | 7" 23 - 29# COUPLING                                    |
| G       | 08086 | C     | 05/22/18 | SLXD                | 7" 23 - 29# PIN SET. STD. - EDM FRAME STYLE             |
| G       | 08087 | C     | 05/22/18 | SLXD                | 7" 23 - 29# BOX SET. STD. - EDM FRAME STYLE             |
| A       | 08975 | A     | 05/22/18 | SLXD                | 7" 23 - 29# INTERNAL TOOL GUIDE                         |
| M       | 08737 | A     | 04/23/19 | SLXD                | 7" 32 - 38# PIN   |
| M       | 08738 | A     | 04/23/19 | SLXD                | 7" 32 - 38# COUPLING                                    |
| M       | 08743 | A     | 04/23/19 | SLXD                | 7" 32 - 38# PIN SWAGING                                 |
| G       | 08739 | A     | 04/23/19 | SLXD                | 7" 32 - 38# PIN SETTING STD. - FRAME STYLE              |
| G       | 08740 | A     | 04/23/19 | SLXD                | 7" 32 - 38# BOX SETTING STD. - FRAME STYLE              |
| A       | 08741 |       | 04/23/19 | SLXD                | 7" 32 - 38# INTERNAL TOOL GUIDE                         |
| T       | 09772 |       | 04/23/19 | SLXD                | 7" 32 - 38# PIN SWAGING DIE                             |
| M       | 08266 | B     | 07/30/19 | SLXD                | 7.625" 29.70 - 39.00# PIN                               |
| M       | 08267 | A     | 07/30/19 | SLXD                | 7.625" 29.70 - 39.00# COUPLING                          |
| G       | 08268 | A     | 07/30/19 | SLXD                | 7.625" 29.70 - 39.00# PIN SETTING STD. FRAME STYLE      |
| G       | 08269 | A     | 07/30/19 | SLXD                | 7.625" 29.70 - 39.00# BOX SETTING STD. FRAME STYLE      |
| A       | 08270 | A     | 07/30/19 | SLXD                | 7.625" 29.70 - 39.00# INTERNAL TOOL GUIDE               |
| M       | 08272 | A     | 07/30/19 | SLXD                | 7.625" 29.70 - 39.00# PIN SWAGING                       |
| M       | 08099 | D     | 12/29/14 | SLXD                | 9 5/8" 40# (.395" WALL) PIN                             |
| M       | 08100 | C     | 08/07/14 | SLXD                | 9 5/8" 40# (.395" WALL) COUPLING                        |
| P       | 08101 | A     | 08/07/14 | SLXD                | 9 5/8" 40# (.395" WALL) ACC. BLANK. DIMS                |
| G       | 08102 | A     | 08/07/14 | SLXD                | 9 5/8" 40# (.395" WALL) PIN SET. STD. - EDM FRAME STYLE |
| G       | 08103 | A     | 08/07/14 | SLXD                | 9 5/8" 40# (.395" WALL) BOX SET. STD. - EDM FRAME STYLE |
| A       | 08972 |       | 08/07/14 | SLXD                | 9 5/8" 40# (.395" WALL) INTERNAL TOOL GUIDE             |
| M       | 08104 | A     | 12/12/14 | SLXD                | 9 5/8" 40# PIN SWAGING                                  |
| M       | 08842 | A     | 01/15/15 | SLXD                | 9 5/8" 47# (.472" WALL) PIN                             |
| M       | 08843 |       | 12/09/14 | SLXD                | 9 5/8" 47# (.472" WALL) COUPLING                        |
| G       | 08844 |       | 12/09/14 | SLXD                | 9 5/8" 47# (.472" WALL) PIN SET. STD. - EDM FRAME STYLE |
| G       | 08845 |       | 12/09/14 | SLXD                | 9 5/8" 47# (.472" WALL) BOX SET. STD. - EDM FRAME STYLE |
| A       | 08846 |       | 12/09/14 | SLXD                | 9 5/8" 47# (.472" WALL) INTERNAL TOOL GUIDE             |
| P       | 08847 |       | 12/09/14 | SLXD                | 9 5/8" 47# (.472" WALL) ACCESSORY BLANK. DIMS.          |
| M       | 08848 |       | 12/12/14 | SLXD                | 9 5/8" 47# PIN SWAGING                                  |
| T       | 08856 |       | 05/08/18 | SLXD                | 9 5/8" 47 - 53.50# PIN SWAGING DIE                      |

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|---------|-------|-------|----------|----------------------|--|
| M       | 08849 |       | 09/09/16 | SLXD                 | 9 5/8" 53.50# (.545" WALL) PIN                                 |
| M       | 08850 |       | 09/09/16 | SLXD                 | 9 5/8" 53.50# (.545" WALL) COUPLING                            |
| G       | 08851 |       | 09/09/16 | SLXD                 | 9 5/8" 53.50# (.545" WALL) PIN SET. STD. -EDM FRAME STYLE      |
| G       | 08852 |       | 09/09/16 | SLXD                 | 9 5/8" 53.50# (.545" WALL) BOX SET. STD. -EDM FRAME STYLE      |
| P       | 08854 |       | 09/09/16 | SLXD                 | 9 5/8" 53.50# (.545" WALL) ACCESSORY BLANK. DIMS.              |
| M       | 08855 |       | 09/09/16 | SLXD                 | 9 5/8" 53.50# (.545" WALL) PIN SWAGING                         |
| M       | 09414 |       | 03/23/18 | SLXD                 | 9 7/8" 62.80# - 66.90# PIN                                     |
| M       | 09415 |       | 03/23/18 | SLXD                 | 9 7/8" 62.80# - 66.90# COUPLING                                |
| G       | 09416 |       | 03/23/18 | SLXD                 | 9 7/8" 62.80# - 66.90# PIN SET. STD. - EDM FRAME STYLE         |
| G       | 09417 |       | 03/23/18 | SLXD                 | 9 7/8" 62.80# - 66.90# BOX SET. STD. - EDM FRAME STYLE         |
| A       | 09418 |       | 03/23/18 | SLXD                 | 9 7/8" 62.80# - 66.90# INTERNAL TOOL GUIDE                     |
| M       | 09419 |       | 03/23/18 | SLXD                 | 9 7/8" 62.80# - 66.90# PIN SWAGING                             |
| M       | 09752 |       | 03/22/19 | SLXD                 | 11.875" 71.80# PIN   |
| M       | 09753 |       | 03/22/19 | SLXD                 | 11.875" 71.80# COUPLING  |
| G       | 09754 |       | 03/22/19 | SLXD                 | 11.875" 71.80# PIN SET STD - EDM FRAME STYLE                   |
| G       | 09755 |       | 03/22/19 | SLXD                 | 11.875" 71.80# BOX SET STD - EDM FRAME STYLE                   |
| A       | 09756 |       | 03/22/19 | SLXD                 | 11.875" 71.80# INTERNAL TOOL GUIDE                             |
| T       | 09757 |       | 03/22/19 | SLXD                 | 11.875" 71.80# PIN SWAGING DIE                                 |
| M       | 09758 |       | 03/22/19 | SLXD                 | 11.875" 71.80# PIN SWAGING                                     |
| M       | 08273 | B     | 04/15/19 | SLXD                 | 13.375" 68.00# - 72.00# PIN                                    |
| M       | 08274 | A     | 04/15/19 | SLXD                 | 13.375" 68.00# - 72.00# COUPLING                               |
| G       | 08275 | A     | 04/15/19 | SLXD                 | 13.375" 68.00# - 72.00# PIN SET. STD. - FRAME STYLE            |
| G       | 08276 | A     | 04/15/19 | SLXD                 | 13.375" 68.00# - 72.00# BOX SET. STD. - FRAME STYLE            |
| A       | 08277 | A     | 08/29/22 | SLXD                 | 13.375" 68.00# - 72.00# INTERNAL TOOL GUIDE                    |
| M       | 08279 | B     | 06/05/19 | SLXD                 | 13.375" 68.00# - 72.00# PIN SWAGING                            |
| T       | 09771 |       | 04/12/19 | SLXD                 | 13.375" 68.00# - 72.00# PIN SWAGING DIE                        |
| M       | 09376 |       | 04/17/17 | SLXD                 | 13 5/8" (.625" WALL) 88.20# PIN                                |
| M       | 09377 |       | 04/17/17 | SLXD                 | 13 5/8" (.625" WALL) 88.20# COUPLING                           |
| G       | 09378 |       | 04/17/17 | SLXD                 | 13 5/8" (.625" WALL) 88.20# PIN SET. STD. - EDM FRAME STYLE    |
| G       | 09379 |       | 04/17/17 | SLXD                 | 13 5/8" (.625" WALL) 88.20# BOX SET. STD - EDM FRAME STYLE     |
| A       | 09380 |       | 04/17/17 | SLXD                 | 13 5/8" (.625" WALL) 88.20# INTERNAL TOOL GUIDE                |
| P       | 09381 |       | 04/17/17 | SLXD                 | 13 5/8" (.625" WALL) 88.20# ACC. BLANK. DIMS                   |
| M       | 09382 |       | 04/17/17 | SLXD                 | 13 5/8" (.625" WALL) 88.20# PIN SWAGING                        |
| G       | 09514 |       | 04/18/18 | XD CONNECTION SERIES | .3333 PITCH X .960" TAPER (-0009), ANVIL - THREAD HEIGHT GAGE  |
| G       | 09515 |       | 04/18/18 | XD CONNECTION SERIES | .3333 PITCH X .960" (-0009) THREAD HEIGHT STANDARD             |
| G       | 09520 | A     | 08/02/18 | XD CONNECTION SERIES | .3333 PITCH X 1.500" TAPER (-0010), ANVIL - THREAD HEIGHT GAGE |
| G       | 09521 | A     | 08/02/18 | XD CONNECTION SERIES | .3333 PITCH X 1.500" (-0010) THREAD HEIGHT STANDARD            |
| G       | 09665 |       | 09/28/18 | XD CONNECTION SERIES | .3333 PITCH X 2.700" TAPER (-0011) ANVIL - THREAD HEIGHT GAGE  |
| G       | 09666 |       | 09/28/18 | XD CONNECTION SERIES | .3333 PITCH X 2.700' (-0011) THREAD HEIGHT SANDARD             |

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|---------|-------|-------|----------|---------------------|--|
| E       | 09503 |       | 02/23/18 | SLXD EC             | 4 1/2" (.337" WALL) 15.10# PIN                                   |
| E       | 09504 |       | 02/23/18 | SLXD EC             | 4 1/2" (.337" WALL) 15.10# COUPLING                              |
| E       | 09507 |       | 02/21/18 | SLXD EC             | 6 5/8" (.352" WALL) 24# PIN                                      |
| E       | 09508 |       | 02/21/18 | SLXD EC             | 6 5/8" (.352" WALL) 24# COUPLING                                 |
| A       | 06861 |       | 02/10/06 | SLXP                | 1" SUCKER ROD PIN X 1 1/4" SL-XP PIN CROSSOVER SUB               |
| P       | 06859 | A     | 03/07/06 | SLXP                | 1 1/4" 2.40 - 3.24# ACCESSORY BLANKING DIMENSIONS                |
| M       | 06856 | A     | 05/15/07 | SLXP                | 1 1/4" 2.40 - 3.24# BOX  |
| A       | 06860 |       | 02/10/06 | SLXP                | 1 1/4" 2.40 - 3.24# BOX X BOX HOLLOW SUCKER ROD TEE              |
| G       | 06858 |       | 02/10/06 | SLXP                | 1 1/4" 2.40 - 3.24# BOX SETTING STANDARD - EDM FRAME STYLE       |
| M       | 06855 | B     | 05/15/07 | SLXP                | 1 1/4" 2.40 - 3.24# PIN  |
| G       | 06857 |       | 02/10/06 | SLXP                | 1 1/4" 2.40 - 3.24# PIN SETTING STANDARD                         |
| M       | 06869 |       | 03/07/06 | SLXP                | 2 1/16" 3.25 - 4.50# BOX   |
| G       | 06871 |       | 03/07/06 | SLXP                | 2 1/16" 3.25 - 4.50# BOX FLAT SETTING STANDARD                   |
| M       | 06868 |       | 03/07/06 | SLXP                | 2 1/16" 3.25 - 4.50# PIN   |
| G       | 06870 |       | 03/07/06 | SLXP                | 2 1/16" 3.25 - 4.50# PIN FLAT SETTING STANDARD                   |
| P       | 06415 | D     | 08/25/09 | SLXP                | 2 1/16" - 4 1/2" ACC. BLANK. DIM.                                |
| G       | 06408 |       | 10/27/03 | SLXP                | 2 3/8" 4.60 - 5.95# BOX SETTING STANDARD - EDM FRAME STYLE       |
| G       | 06407 | A     | 11/19/03 | SLXP                | 2 3/8" 4.60 - 5.95# PIN SETTING STANDARD                         |
| M       | 06404 | B     | 04/21/05 | SLXP                | 2 3/8" 4.60# BOX   |
| M       | 06403 | A     | 03/16/04 | SLXP                | 2 3/8" 4.60# PIN   |
| A       | 07209 | A     | 03/28/11 | SLXP                | 2 3/8" 4.60# - 5.95# HANDLING PLUG                               |
| M       | 06406 | D     | 05/15/07 | SLXP                | 2 3/8" 4.70 - 5.95# BOX  |
| M       | 06405 | C     | 05/15/07 | SLXP                | 2 3/8" 4.70 - 5.95# PIN  |
| P       | 06341 | D     | 07/06/05 | SLXP                | 2 3/8" - 4 1/2" UPSET DIMENSIONS                                 |
| M       | 06258 | D     | 04/21/05 | SLXP                | 2 7/8" 6.40# BOX CONNECTOR                                       |
| M       | 06257 | C     | 03/16/04 | SLXP                | 2 7/8" 6.40# PIN CONNECTOR                                       |
| M       | 06339 | F     | 04/13/18 | SLXP                | 2 7/8" 6.50 - 8.70# BOX CONNECTOR                                |
| M       | 06338 | E     | 04/13/18 | SLXP                | 2 7/8" 6.50 - 8.70# PIN CONNECTOR                                |
| A       | 07436 |       | 03/11/10 | SLXP                | 2 7/8" 7.90# SL XP PIN x 2 7/8" API IF BOX                       |
| M       | 06410 | B     | 04/21/05 | SLXP                | 3 1/2" 9.20# BOX   |
| M       | 06409 | A     | 03/16/04 | SLXP                | 3 1/2" 9.20# PIN   |
| M       | 06412 | D     | 05/15/07 | SLXP                | 3 1/2" 9.30 - 12.95# BOX   |
| M       | 06411 | C     | 05/15/07 | SLXP                | 3 1/2" 9.30 - 12.95# PIN   |
| M       | 06904 |       | 06/28/06 | SLXP                | 3 1/2" 9.30# SL XP PIN x 3 1/2" XH (NC 46) BOX SAVER SUB         |
| A       | 07087 | A     | 03/28/11 | SLXP                | 3 1/2" 9.20 - 12.95# HANDLING PLUG                               |
| M       | 06880 |       | 05/01/06 | SLXP                | 3 1/2" 12.95# SPECIAL CLEARNACE O.D. / SPECIAL BORE, PIN AND BOX |
| M       | 06427 | D     | 08/25/09 | SLXP                | 4" 11 - 14.80# BOX   |
| M       | 06426 | B     | 08/25/09 | SLXP                | 4" 11 - 14.80# PIN   |
| M       | 06513 | A     | 04/21/05 | SLXP                | 4 1/2" 11.60 - 12.60# BOX  |

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|---------|-------|-------|----------|---------------------|--|
| M       | 06512 |       | 02/19/04 | SLXP                | 4 1/2" 11.60 - 12.60# PIN  |
| M       | 06429 | B     | 05/15/07 | SLXP                | 4 1/2" 12.75 - 15.50# BOX  |
| M       | 06428 | A     | 05/15/07 | SLXP                | 4 1/2" 12.75 - 15.50# PIN  |
| A       | 07145 |       | 02/13/08 | SLXP                | 5.100" 17.77 - 19.64# ALIGNMENT STINGER (SCHLUMBERGER)                                   |
| M       | 07146 |       | 02/13/08 | SLXP                | 5.100" 17.77 - 19.64# PIN  |
| M       | 07147 |       | 02/13/08 | SLXP                | 5.100" 17.77 - 19.64# BOX  |
| I       | 07151 |       | 02/14/08 | SLXP                | 5.100" 17.77 - 19.64# PIN & BOX GAGE SET. DIMS. FOR ROD STYLE STDS.                      |
| A       | 07148 |       | 02/13/08 | SLXP                | 5.225" 18.63 - 20.54# ALIGNMENT STINGER (SCHLUMBERGER)                                   |
| M       | 07149 |       | 02/13/08 | SLXP                | 5.225" 18.63 - 20.54# PIN  |
| M       | 07150 |       | 02/13/08 | SLXP                | 5.225" 18.63 - 20.54# BOX  |
| I       | 07152 |       | 02/14/08 | SLXP                | 5.225" 18.63 - 20.54# PIN & BOX GAGE SET. DIMS FOR RODY STYLE STDS.                      |
| P       | 04620 |       | 03/02/06 | SL XP / TS-HP       | UPSET SPEC. FOR PIN & BOX CONNECTORS   |
| A       | 09727 |       | 01/03/19 | SL XP / XP-SR       | 4 1/2" 11.60 - 15.50# HANDLING PLUG  |
| P       | 06715 | A     | 02/05/08 | SLXP PC             | 1/2 - SEAL RING FOR ACCESSORY BOX, TABULATED   |
| M       | 07131 |       | 02/05/08 | SLXP PC             | 2 7/8" 6.40# PIN CONNECTOR   |
| M       | 07132 |       | 02/05/08 | SLXP PC             | 2 7/8" 6.40# COUPLING  |
| A       | 07133 |       | 02/05/08 | SLXP PC             | 2 7/8" 6.40# ACC. BOX  |
| P       | 07134 |       | 02/05/08 | SLXP PC             | 2 7/8" 6.40# SEAL RING   |
| A       | 07135 |       | 02/05/08 | SLXP PC             | 2 7/8" 6.40# PIN COATING/BLASTING MASK   |
| A       | 07136 |       | 02/05/08 | SLXP PC             | 2 7/8" 6.40# BOX COATING MASK  |
| I       | 07137 |       | 02/05/08 | SLXP PC             | 2 7/8" 6.40# PIN AND BOX COATING MASK GAGE SET. DIMS. FOR ROD STYLE STDS.                |
| P       | 07031 | A     | 02/05/08 | SLXP PC             | 2 7/8" - 4 1/2" ACC. BLANK. DIMS.  |
| A       | 06713 | B     | 02/14/08 | SLXP PC             | 3 1/2" 9.20# ACCESSORY BOX   |
| A       | 06722 |       | 02/10/05 | SLXP PC             | 3 1/2" 9.20# BOX COATING MASK  |
| M       | 06700 | A     | 02/09/05 | SLXP PC             | 3 1/2" 9.20# COUPLING  |
| M       | 06699 | A     | 02/14/05 | SLXP PC             | 3 1/2" 9.20# PIN   |
| I       | 06723 |       | 02/11/05 | SLXP PC             | 3 1/2" 9.20# Pin and box coating mask - gage setting dimensions for rod style standards  |
| A       | 06701 | A     | 02/10/05 | SLXP PC             | 3 1/2" 9.20# PIN COATING/BLASING MASK  |
| P       | 06716 |       | 02/02/05 | SLXP PC             | 3 1/2" 9.20# SEAL RING   |
| A       | 06714 | B     | 02/14/08 | SLXP PC             | 4 1/2" 12.60# ACCESSORY BOX  |
| A       | 06721 |       | 02/10/05 | SLXP PC             | 4 1/2" 12.60# BOX COATING MASK   |
| M       | 06445 | A     | 01/18/05 | SLXP PC             | 4 1/2" 12.60# COUPLING   |
| M       | 06447 |       | 12/09/03 | SLXP PC             | 4 1/2" 12.60# GAGE SETTING DIM. FOR ROD STYLE STANDARDS                                  |
| I       | 06724 |       | 02/11/05 | SLXP PC             | 4 1/2" 12.60# Pin and box coating mask - gage setting dimensions for rod style standards |
| A       | 06720 |       | 02/10/05 | SLXP PC             | 4 1/2" 12.60# PIN COATING/BLASTING MASK  |
| M       | 06438 | D     | 01/09/06 | SLXP PC             | 4 1/2" 12.60# PIN CONNECTOR  |
| P       | 06436 | A     | 01/18/05 | SLXP PC             | 4 1/2" 12.60# SEAL RING  |
| P       | 06440 | A     | 02/09/05 | SLXP PC             | Plastic coating specification for SLXP PC tubing   |
| M       | 06741 | A     | 04/21/05 | SLXP TC             | 3 1/2" 12.70# COUPLING   |

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|---------|-------|-------|----------|---------------------|---|
| M       | 06740 |       | 03/31/05 | SLXP TC             | 3 1/2" 12.70# PIN   |
| A       | 06743 | B     | 03/28/11 | SLXP/SLXP PC        | 2 7/8" 6.40# 8.70# HANDLING PLUG  |
| G       | 06340 | A     | 02/05/08 | SLXP/SLXP PC        | 2 7/8" 6.40 - 8.70# PIN SETTING STANDARD  |
| G       | 06342 | A     | 02/05/08 | SLXP/SLXP PC        | 2 7/8" 6.40 - 8.70# BOX SETTING STANDARD - EDM FRAME STYLE                      |
| G       | 06414 | A     | 02/09/05 | SLXP/SLXP PC        | 3 1/2" 9.20 - 12.95# BOX SETTING STANDARD - EDM FRAME STYLE                     |
| G       | 06413 | A     | 02/09/05 | SLXP/SLXP PC        | 3 1/2" 9.20 - 12.95# PIN SETTING STANDARD                                       |
| I       | 07495 |       | 07/08/10 | SLXP/SLXP PC        | 3 1/2" 9.20 - 12.95# PIN & BOX GAGE SET. DIMS FOR ROD STYLE STDS.               |
| G       | 06515 |       | 02/19/04 | SLXP/SLXP PC        | 4 1/2" 11.60 - 15.50# BOX SETTING STANDARD -EDM FRAME STYLE                     |
| G       | 06514 |       | 02/19/04 | SLXP/SLXP PC        | 4 1/2" 11.60 - 15.50# PIN SETTING STANDARD                                      |
| M       | 07055 |       | 07/26/07 | SLXPC               | 4 1/2" 11.60 - 17# PIN  |
| M       | 07056 |       | 07/26/07 | SLXPC               | 4 1/2" 11.60 - 17# COUPLING   |
| M       | 07061 |       | 07/26/07 | SLXPC               | 4 1/2" 11.60 - 17# PIN SWAGING  |
| M       | 07057 |       | 07/26/07 | SLXPC               | 5" 15 - 23.20# PIN  |
| M       | 07058 |       | 07/26/07 | SLXPC               | 5" 15 - 23.20# COUPLING   |
| M       | 07062 |       | 07/26/07 | SLXPC               | 5" 15 - 23.20# PIN SWAGING  |
| M       | 07059 |       | 07/26/07 | SLXPC               | 5 1/2" 17 - 26# PIN   |
| M       | 07060 |       | 07/26/07 | SLXPC               | 5 1/2" 17 - 26# COUPLING  |
| M       | 07063 |       | 07/26/07 | SLXPC               | 5 1/2" 17 - 26# PIN SWAGING   |
| M       | 09463 |       | 12/18/17 | SLXP SR             | 2 7/8" 6.40# PIN  |
| M       | 09368 | B     | 12/18/17 | SLXP SR             | 2 7/8" 6.40# BOX  |
| M       | 09464 |       | 12/18/17 | SLXP SR             | 3 1/2" 9.20# PIN  |
| M       | 09374 | C     | 12/18/17 | SLXP SR             | 3 1/2" 9.20# BOX  |
| M       | 09461 |       | 12/18/17 | SLXP SR             | 4 1/2" 12.60# PIN   |
| M       | 09462 |       | 12/18/17 | SLXP SR             | 4 1/2" 12.60# BOX   |
| G       | 02561 |       | 2-17-92  | TAPER BLOCKS        | 1.375" Mic-trac box thread pad and seal pad                                     |
| G       | 02562 |       | 2-17-92  | TAPER BLOCKS        | 1.375" Mic-trac pin taper seal and thread pads                                  |
| I       | 03825 |       | 5-10-96  | TAPER BLOCKS        | 5" - 7" SLHT box mic-trac offsets using SL tubing taper blocks                  |
| I       | 03824 |       | 5-10-96  | TAPER BLOCKS        | 5" - 7" SLHT pin mic-trac offsets using SL tubing taper blocks                  |
| I       | 03833 |       | 5-20-96  | TAPER BLOCKS        | 9 5/8" 47- 71.60# SL Apex box mic-trac offsets using HW SL taper blocks         |
| G       | 02304 | B     | 12-9-93  | TAPER BLOCKS        | External taper blocks for gagemaker mic-trac boss connection- 1.125 in/ft taper |
| G       | 02303 | B     | 12-9-93  | TAPER BLOCKS        | Internal taper blocks for gagemaker mic-trac boss connection- 1.125 in/ft taper |
| G       | 02474 | B     | 5-24-95  | TAPER BLOCKS        | Internal taper blocks for gagemaker mic-trac boss connection- 1.250 in/ft taper |
| I       | 01488 |       | 3-14-89  | TCNL                | 2 3/8" Box gage offsets for tubing using a 2 3/8" SL box setting standard       |
| G       | 00922 | C     | 8-22-90  | TCNL                | 2 3/8" Coupling setting standard for all grades                                 |
| G       | 00900 |       | 4-9-88   | TCNL                | 2 3/8" Pin setting standard for all grades                                      |
| I       | 00878 | B     | 4-20-90  | TCNL                | 2 3/8" - 3 1/2" Coupling gage setting information for all grades                |
| M       | 01342 | A     | 5-15-89  | TCNL                | 2 3/8" - 3 1/2" Accessory box all weights, all grades                           |
| M       | 01063 | C     | 3-31-94  | TCNL                | 2 3/8" - 3 1/2" Coupling  |
| I       | 01489 |       | 3-14-89  | TCNL                | 2 7/8" Box gage offsets for tubing using a 2 7/8" SL box setting standard       |

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|---------|-------|-------|----------|------------------------|--|
| G       | 00923 | B     | 12-18-89 | TCNL                   | 2 7/8" Coupling setting standard for all grades                              |
| G       | 00902 |       | 4-9-88   | TCNL                   | 2 7/8" Pin setting standard for all grades                                   |
| I       | 01490 |       | 3-14-89  | TCNL                   | 3 1/2" Box gage offsets for tubing using a 3 1/2" SL box setting standard    |
| G       | 00924 | B     | 12-18-89 | TCNL                   | 3 1/2" Coupling setting standard for all grades                              |
| G       | 00903 |       | 4-9-88   | TCNL                   | 3 1/2" Pin setting standard for all grades                                   |
| I       | 01630 | A     | 1-20-94  | TCNL                   | Torque shoulder depth gage setting dimensions for Box                        |
| I       | 00879 | C     | 1-20-94  | TCNL                   | Torque shoulder depth gage setting dimensions for TC pins                    |
| A       | 03010 | A     | 12-10-93 | TCNL FGL               | 2 3/8" - 3 1/2" Accessory box  |
| A       | 03013 |       | 10-8-93  | TCNL FGL               | 2 3/8" - 3 1/2" Accessory pin stainless alloy crossover                      |
| M       | 03008 | A     | 12-9-93  | TCNL FGL               | 2 3/8" - 3 1/2" Coupling   |
| M       | 03009 | A     | 12-9-93  | TCNL FGL               | 2 3/8" - 3 1/2" Pin connector  |
| I       | 03125 |       | 4-6-94   | TCNL FGL               | 3 1/2" Accessory Pin mic-trac offsets using SL tubing riser blocks           |
| M       | 01238 | B     | 5-12-89  | TCNL PC                | 2 3/8" - 3 1/2" Accessory box all weights, all grades                        |
| A       | 00835 | A     | 2-1-90   | TCNL PC                | 2 3/8" - 3 1/2" Coating mask accessory box                                   |
| M       | 01068 | B     | 3-31-94  | TCNL PC                | 2 3/8" - 3 1/2" Coupling   |
| P       | 00247 | D     | 2-14-89  | TCNL PC                | Plastic coating specification for TC NU-LOCK tubing                          |
| I       | 00851 | B     | 9-22-88  | TCNL, IJNL             | 2 3/8" - 3 1/2" Pin gage setting dimensions                                  |
| 20P     | 00258 |       | 4-10-85  | TCNL, IJNL             | 2 7/8" 6.50# Pin swaging   |
| A       | 02938 |       | 6-15-93  | TCNL, TCNL PC          | 2 3/8" - 3 1/2" Lift plug  |
| M       | 01062 | D     | 3-31-94  | TCNL, TCNL PR, TCNL PC | 2 3/8" - 3 1/2" Pin connector ( all grades )                                 |
| G       | 08082 | B     | 02/10/15 | THREAD HEIGHT          | .200 pitch x .480 IN/FT SLXD THREAD HEIGHT STANDARD (FOR - 0001)             |
| G       | 08079 | B     | 02/10/15 | THREAD HEIGHT          | .250 pitch x .480 IN/FT SLXD THREAD HEIGHT TAPER STANDARD (FOR - 0004)       |
| G       | 08055 | C     | 02/10/15 | THREAD HEIGHT          | .250 Pitch x .720 IN/FT SLXD thread height standard (FOR - 0006)             |
| G       | 01891 |       | 1-12-90  | THREAD HEIGHT          | 1 1/2" - 2 3/8" Pin standard for lock-it-eight                               |
| G       | 01890 | A     | 7-24-91  | THREAD HEIGHT          | 1 1/2" - 3 1/2" Coupling standard for lock-it-eight                          |
| G       | 00821 |       | 3-10-88  | THREAD HEIGHT          | 2 3/8" - 3 1/2" Box standard for seal-lock, TC NU-lock & I-J NU- lock tubing |
| G       | 00501 | A     | 11-25-91 | THREAD HEIGHT          | 2 3/8" - 3 1/2" Coupling standard for lock-it                                |
| G       | 00500 |       | 4-16-87  | THREAD HEIGHT          | 2 3/8" - 3 1/2" Pin standard for lock-it                                     |
| G       | 00820 |       | 3-10-88  | THREAD HEIGHT          | 2 3/8" - 3 1/2" Pin standard for seal-lock, TC NU-lock & I-J NU-lock tubing  |
| G       | 00754 | A     | 10-18-91 | THREAD HEIGHT          | 2 3/8" - 4 1/2" Coupling standard for HD lock-it                             |
| G       | 00753 |       | 2-3-88   | THREAD HEIGHT          | 2 3/8" - 4 1/2" Pin standard for HD lock-it                                  |
| G       | 00705 | A     | 7-16-91  | THREAD HEIGHT          | 4 1/2" - 10 3/4" Coupling standard for seal-lock casing                      |
| G       | 00704 |       | 1-11-88  | THREAD HEIGHT          | 4 1/2" - 10 3/4" Pin standard for seal-lock casing                           |
| G       | 00707 | A     | 7-18-91  | THREAD HEIGHT          | 11 3/4" - 13 3/8" Coupling standard for seal-lock casing                     |
| G       | 00706 |       | 1-11-88  | THREAD HEIGHT          | 11 3/4" - 13 3/8" Pin standard for seal-lock casing                          |
| G       | 00818 |       | 3-10-88  | THREAD HEIGHT          | 14" - 20" Coupling standard for big "o" seal-lock                            |
| G       | 00817 |       | 3-10-88  | THREAD HEIGHT          | 14" - 20" Pin standard for big "o" seal-lock                                 |
| G       | 02346 |       | 7-19-91  | THREAD HEIGHT          | Coupling setting standard for Boss internal                                  |
| G       | 03264 |       | 9-8-94   | THREAD HEIGHT          | External .125 pitch, .0300 load flank, .864" T.P.F. (M00971 threadform)      |



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| G       | 03188 |       | 6-22-94  | THREAD HEIGHT              | External .1667 pitch x 1.250" T.P.F., M00837 threadform                          |
| G       | 03234 | A     | 11/03/15 | THREAD HEIGHT              | External .200 pitch, .0500 load flank, 1.375 T.P.F. (M00929 & M09182 threadform) |
| G       | 05118 |       | 07/07/99 | THREAD HEIGHT              | External .200 pitch x .0400 load flank, 1.375 T.P.F., (M04963 thread form)       |
| G       | 02722 |       | 9-22-92  | THREAD HEIGHT              | External .2500 pitch x 1.250" T.P.F. Apex threadform                             |
| G       | 02470 |       | 3-27-92  | THREAD HEIGHT              | External .2500 pitch x 1.250" T.P.F. Boss threadform                             |
| G       | 02813 |       | 2-10-93  | THREAD HEIGHT              | External 5- pitch (.200 lead) x 1.00" T.P.F.                                     |
| G       | 02831 |       | 2-25-93  | THREAD HEIGHT              | External apex .250 pitch x 2.00" T.P.F.  |
| G       | 02345 |       | 7-19-91  | THREAD HEIGHT              | External Setting standard for Boss casing  |
| G       | 06759 |       | 06/20/05 | THREAD HEIGHT              | External SL-SF, .333 pitch, 1.125 T.P.F. .060 load flank, casing                 |
| G       | 07848 |       | 06/20/05 | THREAD HEIGHT              | External SL-SF, .333 pitch, 1.125 T.P.F. .0660 load flank, casing                |
| G       | 03265 |       | 9-8-94   | THREAD HEIGHT              | Internal .125 pitch, .0300 load flank, .864" T.P.F. (M00970)                     |
| G       | 03224 |       | 7-27-94  | THREAD HEIGHT              | Internal .125 pitch, .0330 load flank, .750 T.P.F. (M02620 threadform)           |
| G       | 03189 |       | 6-22-94  | THREAD HEIGHT              | Internal .1667 pitch x 1.250" T.P.F., M00838 threadform                          |
| G       | 03225 | A     | 4-10-96  | THREAD HEIGHT              | Internal .1667 pitch, .0434 load flank, 1.0205 T.P.F. (M02548 threadform)        |
| G       | 03235 |       | 8-4-94   | THREAD HEIGHT              | Internal .200 pitch, .0530 load flank, 1.375 T.P.F. (M00930 threadform)          |
| G       | 05119 |       | 07/07/99 | THREAD HEIGHT              | Internal .200 pitch x .0420 load flank, 1.375 T.P.F., (M04964 thread form)       |
| G       | 02721 |       | 9-22-92  | THREAD HEIGHT              | Internal .2500 pitch x 1.250" T.P.F. Apex threadform                             |
| G       | 02475 |       | 3-27-92  | THREAD HEIGHT              | Internal, .2500 pitch x 1.250" T.P.F., BOSS thread form                          |
| G       | 02832 |       | 2-25-93  | THREAD HEIGHT              | Internal apex .250 pitch x 2.00" T.P.F.  |
| G       | 02814 |       | 2-10-93  | THREAD HEIGHT              | Internal apex 5- pitch (.200) x 1.00" T.P.F.                                     |
| G       | 04037 |       | 10-23-96 | THREAD HEIGHT              | Internal Apex-e 4- pitch (.250) x 1.250" T.P.F.                                  |
| G       | 04036 |       | 10-23-96 | THREAD HEIGHT              | Internal Apex-e 5- pitch (.200) x 1.000" T.P.F.                                  |
| G       | 04818 | A     | 08/13/98 | THREAD HEIGHT              | INT/EXT, .0315 FLANK HEIGHT, TS-HP (M04564/M04565 Thd form)                      |
| G       | 04820 | A     | 08/13/98 | THREAD HEIGHT              | INT/EXT, .050 FLANK HEIGHT, TS-HD (M04566/M04567 Thd form)                       |
| G       | 07859 |       | 10/10/11 | THREAD HEIGHT              | Internal & external .040" load flank X .046" stab flank                          |
| G       | 07502 |       | 07/21/10 | THREAD HEIGHT              | Internal & external .044" load flank X .056" stab flank                          |
| G       | 07868 |       | 09/12/11 | THREAD HEIGHT              | Internal & external .054" load flank X .072" stab flank                          |
| G       | 05777 |       | 05/25/01 | THREAD HEIGHT              | Internal & external, .200 pitch x 2.400" T.P.F.                                  |
| G       | 03646 | A     | 08/12/04 | THREAD HEIGHT              | Pin and box standard for all FS-150 & FJ-150 products                            |
| G       | 03651 |       | 10-9-95  | THREAD HEIGHT              | Pin and box standard for all TKC 4040 products                                   |
| G       | 07524 |       | 08/09/10 | THREAD HEIGHT              | Standard, Internal & external .044" load flank X .054" stab flank                |
| G       | 08207 | J     | 07/03/18 | THREAD HEIGHT              | STANDARD WEDGE CONNECTION SERIES   |
| X       | 08220 | F     | 06/22/17 | THREAD HEIGHT              | STANDARD (PROTOTYPE), WEDGE  |
| G       | 08979 |       | 08/27/14 | THREAD HEIGHT              | Standard SL XD for -0002 (.200 PITCH x .600 IN/FT TAPER)                         |
| G       | 08980 |       | 08/27/14 | THREAD HEIGHT              | Standard SL XD for -0003 (.200 PITCH x .720 IN/FT TAPER)                         |
| G       | 08981 |       | 08/27/14 | THREAD HEIGHT              | Standard SL XD for -0005 (.250 PITCH x .600 IN/FT TAPER)                         |
| G       | 08982 | B     | 04/30/18 | THREAD HEIGHT              | STANDARD XD CONNECTION SERIES for -0008 (.167 PITCH X .480 IN/FT TAPER)          |
| G       | 09823 |       | 08/19/19 | THREAD HEIGHT              | STANDARD MODIFIED BUTTRESS   |
| G       | 07858 |       | 10/07/11 | THREAD HEIGHT GAGE - ANVIL | .040" load flank x .046" stab flank  |

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|---------|-------|-------|----------|----------------------------|---|
| G       | 07525 |       | 08/09/10 | THREAD HEIGHT GAGE - ANVIL | .044" load flank x .054" stab flank   |
| G       | 07503 |       | 07/21/10 | THREAD HEIGHT GAGE - ANVIL | .044" load flank x .056" stab flank   |
| G       | 07869 |       | 09/12/11 | THREAD HEIGHT GAGE - ANVIL | .054" load flank x .072" stab flank   |
| G       | 04258 |       | 5-27-97  | THREAD HEIGHT & ANVIL      | .1667 Pitch x 1.000" taper  |
| G       | 04011 |       | 9-17-96  | THREAD HEIGHT & ANVIL      | .1667 pitch x 1.0205" taper   |
| G       | 08081 | A     | 02/10/15 | THREAD HEIGHT GAGE - ANVIL | .200 PITCH x .480 IN/FT TAPER SLXD (FOR - 0001)   |
| G       | 04649 |       | 2-20-98  | THREAD HEIGHT & ANVIL      | .200 pitch x 1.250" taper   |
| G       | 08078 | A     | 02/10/15 | THREAD HEIGHT GAGE - ANVIL | .250 PITCH x .480 IN/FT TAPER SLXD (FOR - 0004)   |
| G       | 08056 | B     | 02/10/15 | THREAD HEIGHT GAGE - ANVIL | .250 PITCH x .720 IN/FT TAPER SLXD (FOR - 0006)   |
| G       | 02469 | A     | 2-15-93  | THREAD HEIGHT & ANVIL      | .2500 Pitch x 1.250 in/ft taper Apex & Boss   |
| G       | 05778 |       | 05/25/01 | THREAD HEIGHT & ANVIL      | anvil - thread height gage .200 pitch x 2.400 in/ft taper   |
| G       | 03237 | B     | 05/02/05 | THREAD HEIGHT & ANVIL      | anvil - thread height gage flush seal-lock, seal-lock sf, & seal-lock XP .200 pitch x 1.373 in/ft taper |
| G       | 02821 |       | 02/16/93 | THREAD HEIGHT & ANVIL      | Apex .200 pitch x 1.00" taper   |
| G       | 02833 |       | 2-25-93  | THREAD HEIGHT & ANVIL      | Apex .250 pitch x 2.00" taper   |
| G       | 03268 |       | 9-12-94  | THREAD HEIGHT & ANVIL      | Flush seal-lock .125 pitch x .864" taper  |
| G       | 03190 |       | 6-22-94  | THREAD HEIGHT & ANVIL      | Flush seal-lock .1667 pitch x 1.250" taper  |
| G       | 03647 | A     | 08/12/04 | THREAD HEIGHT & ANVIL      | FS-150 & FJ-150 .150 pitch x .050" taper  |
| G       | 04822 |       | 8-4-98   | THREAD HEIGHT & ANVIL      | GAGE FOR HP & HD THREADFORM   |
| G       | 03791 | A     | 05/27/97 | THREAD HEIGHT & ANVIL      | Lock-it-eight, seal-lock HT & flush seal-lock .125 pitch x 0.750" taper                                 |
| G       | 02344 |       | 07/22/91 | THREAD HEIGHT & ANVIL      | Pin and box Boss casing   |
| G       | 09822 |       | 08/19/19 | THREAD HEIGHT GAGE - ANVIL | MODIFIED BUTTRESS   |
| G       | 08222 | I     | 07/03/18 | THREAD HEIGHT GAGE - ANVIL | WEDGE CONNECTION SERIES   |
| X       | 08943 | E     | 06/22/17 | THREAD HEIGHT GAGE - ANVIL | WEDGE (PROTOTYPE)   |
| G       | 08983 |       | 08/27/14 | THREAD HEIGHT GAGE - ANVIL | SL XD FOR -0002 (.200 PITCH x .600 IN/FT TAPER)   |
| G       | 08984 |       | 08/27/14 | THREAD HEIGHT GAGE - ANVIL | SL XD FOR -0003 (.200 PITCH x .720 IN/FT TAPER)   |
| G       | 08985 |       | 08/27/14 | THREAD HEIGHT GAGE - ANVIL | SL XD FOR -0005 (.250 PITCH x .600 IN/FT TAPER)   |
| G       | 08986 | B     | 04/30/18 | THREAD HEIGHT GAGE - ANVIL | XD CONNECTION SERIES FOR -0008 (.167 PITCH x .480 IN/FT TAPER)  |
| M       | 03503 | B     | 08/12/04 | THREADFORM                 | 1.315" - 9 5/8" FS - 150 & FJ -150 BOX THREAD FORM  |
| M       | 03502 | B     | 08/12/04 | THREADFORM                 | 1.315" - 9 5/8" FS - 150 & FJ-150 PIN THREAD FORM   |
| M       | 00277 | D     | 8-4-97   | THREADFORM                 | 2 3/8" - 3 1/2" Seal-lock, TC NU-lock, & I-J NU-lock tubing box   |
| M       | 00276 | D     | 8-4-97   | THREADFORM                 | 2 3/8" - 3 1/2" Seal-lock, TC NU-lock, & I-J NU-lock tubing pin   |
| M       | 03483 |       | 9/25/95  | THREADFORM                 | 2 3/8" - 3 1/2" NUE 10 ROUND COUPLING & ACCESSORY BOX THREAD FORM                                       |
| M       | 03482 |       | 9/28/95  | THREADFORM                 | 2 3/8" - 3 1/2" NUE 10 ROUND PIN THREAD FORM  |
| M       | 03975 |       | 8/26/96  | THREADFORM                 | 2 3/8" - 4 1/2" TS-8 8 ROUND PIN THREAD FORM  |
| M       | 03501 | A     | 04/25/96 | THREADFORM                 | 2 3/8" - 9 5/8" TKC 4040 BOX THREAD FORM  |
| M       | 03500 | A     | 04/25/96 | THREADFORM                 | 2 3/8" - 9 5/8" TKC 4040 PIN THREAD FORM  |
| M       | 03479 | A     | 9/23/96  | THREADFORM                 | 2 3/8" - 20" EUE, LTC, & STC 8 ROUND COUPLING & ACCESSORY BOX THREAD FORM                               |
| M       | 03478 |       | 9/28/95  | THREADFORM                 | 2 3/8" - 20" EUE, LTC, & STC 8 ROUND PIN THREAD FORMS   |
| M       | 00273 | E     | 8-4-97   | THREADFORM                 | 4 1/2" - 10 3/4" Seal-lock casing box   |

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| Dwg Int | Dwg #  | Rev # | Date     | Product Abreviation | Description   |
|---------|--------|-------|----------|---------------------|---|
| M       | 00273M |       | 07/13/00 | THREADFORM          | 4 1/2" - 10 3/4" Seal-lock casing box (metric)                                  |
| M       | 00272  | D     | 8-4-97   | THREADFORM          | 4 1/2" - 10 3/4" Seal-lock casing pin   |
| M       | 00272M |       | 07/13/00 | THREADFORM          | 4 1/2" - 10 3/4" Seal-lock casing pin (metric)                                  |
| M       | 03484  | A     | 11/10/03 | THREADFORM          | 4 1/2" - 13 3/8" API BUTTRESS EXTERNAL THREAD FORM                              |
| M       | 03485  | A     | 11/10/03 | THREADFORM          | 4 1/2" - 13 3/8" API BUTTRESS INTERNAL THREAD FORM                              |
| M       | 00275  | G     | 01/25/19 | THREADFORM          | 11 3/4" THRU 13 5/8" SL HC, GS, & PC CASING BOX                                 |
| M       | 00274  | E     | 01/25/19 | THREADFORM          | 11 3/4" THRU 13 5/8" SEAL-LOCK CASING PIN                                       |
| M       | 03486  | A     | 11/10/03 | THREADFORM          | 16" - 20" API BUTTRESS EXTERNAL THREAD FORM                                     |
| M       | 03487  | A     | 11/10/03 | THREADFORM          | 16" - 20" API BUTTRESS INTERNAL THREAD FORM                                     |
| M       | 05290  | B     | 02/14/08 | THREADFORM          | EU, NU, LC & STC 8 RD API EXTERNAL THREAD FORM                                  |
| M       | 05289  | B     | 06/17/09 | THREADFORM          | API 8 ROUND INTERNAL THREADFORM   |
| M       | 06060  |       | 07/25/02 | THREADFORM          | EXTERNAL - 13 3/8" SEAL-LOCK BOSS-S TIMED WORKING MAKE-UP POSITIONER            |
| M       | 06058  |       | 07/25/02 | THREADFORM          | EXTERNAL - 9 5/8" SEAL-LOCK BOSS-S TIMED WORKING MAKE-UP POSITIONER             |
| M       | 09182  | A     | 10/28/16 | THREADFORM          | EXTERNAL .050 H X 1.375 T.P.F - 5 T.P.I. (SLF)                                  |
| M       | 06038  |       | 07/12/02 | THREADFORM          | EXTERNAL - FOR 2 1/16" - 4 1/2" SEAL-LOCK HT-S TIMED WORKING MAKEUP POSITIONERS |
| M       | 06040  |       | 07/12/02 | THREADFORM          | EXTERNAL - FOR 5" - 7" SEAL-LOCK HT-S TIMED WORKING MAKEUP POSITIONERS          |
| M       | 00585  | E     | 8-4-97   | THREADFORM          | External .030 load flank x .750 T.P.F x .125 pitch                              |
| M       | 00971  | B     | 8-4-97   | THREADFORM          | External .030 load flank x .864 T.P.F. x .125 pitch                             |
| M       | 00260  | E     | 8-4-97   | THREADFORM          | External .0394 height .864" T.P.F. 6 thread per inch                            |
| M       | 00052  | K     | 8-4-97   | THREADFORM          | External .0394 height 1.0205" T.P.F. 6 thread per inch                          |
| M       | 00837  | A     | 8-4-97   | THREADFORM          | External .0394 height 1.250" T.P.F. 6 threads per inch                          |
| M       | 04963  |       | 12/28/98 | THREADFORM          | External .040 load flank x .200 pitch, x 1.375 in/ft taper                      |
| M       | 05709  |       | 02/22/01 | THREADFORM          | External.040 load flank x .200 pitch, x 1.375 in/ft taper                       |
| M       | 04134  | A     | 8-4-97   | THREADFORM          | External .0420 load flank x .198 pitch 1.000 in/ft taper apex-e                 |
| M       | 02765  | E     | 8-4-97   | THREADFORM          | External .0420 load flank x .200 pitch, 1.000 in/ft taper                       |
| M       | 02765E | E     | 8-4-97   | THREADFORM          | External .0420 load flank x .200 pitch, 1.000 in/ft taper                       |
| M       | 01477  | A     | 8-4-97   | THREADFORM          | External .0423 load flank .200 pitch 1.250 in/ft taper                          |
| M       | 00929  | A     | 8-4-97   | THREADFORM          | External .050 height x 1.375 T.P.F. 5 threads per inch                          |
| M       | 05754  |       | 05/15/01 | THREADFORM          | External .050 load flank x .200 pitch, x 2.400 in/ft taper                      |
| M       | 02443  | C     | 06/25/01 | THREADFORM          | External .0508 load flank x .0638 stab flank x .2500 pitch                      |
| M       | 00224  | E     | 8-4-97   | THREADFORM          | External .056 load flank x .0643 stab flank x .200 pitch                        |
| M       | 04073  | C     | 8-4-97   | THREADFORM          | External .0600 load flank x .0729 stab flank x .248 pitch                       |
| M       | 02698  | C     | 8-4-97   | THREADFORM          | External .0600 load flank x .0730 stab flank x .250 pitch                       |
| M       | 06737  |       | 08/13/10 | THREADFORM          | External .0600 load flank x .0756 stab flank x .3333 pitch                      |
| M       | 07330  |       | 05/08/09 | THREADFORM          | EXTERNAL WEDGE .066 LOAD FLANK EIGHT X .092 STAB FLANK HEIGHT                   |
| M       | 07847  |       | 10/03/11 | THREADFORM          | External .0660 load flank x .0816 stab flank x .3333 pitch                      |
| M       | 02700  | D     | 8-4-97   | THREADFORM          | External .0680 load flank x .0888 stab flank x .250 pitch                       |
| M       | 02273  | C     | 06/27/01 | THREADFORM          | External .0700 load flank x .0856 stab flank x .3333 pitch                      |
| M       | 02273M |       | 03/10/09 | THREADFORM          | External 1.778 load flank x 2.174 stab flank x 8.466 pitch (metric)             |

| Dwg Int | Dwg #  | Rev # | Date     | Product Abreviation | Description  |
|---------|--------|-------|----------|---------------------|--|
| M       | 01485  | A     | 8-4-97   | THREADFORM          | External .0781 load flank x 1.212 in/ft taper x .3333 pitch                                |
| M       | 00378  | D     | 8-4-97   | THREADFORM          | External .0866 load flank x .1040 stab flank x .3333 pitch                                 |
| M       | 05538  | B     | 03/16/01 | THREADFORM          | External .0866 load flank x .1040 stab flank x 1.250 in/ft taper (3 pitch riser connector) |
| M       | 06115  |       | 09/17/02 | THREADFORM          | EXTERNAL .090 LOAD FLANK X .1134 STAB FLANK X .500 PITCH (SL DC)                           |
| M       | 00585M |       | 07/20/00 | THREADFORM          | External .762 load flank x .625 mm/cm x 3.175 pitch (metric)                               |
| M       | 02765M |       | 07/20/00 | THREADFORM          | External 1.067 load flank x 5.080 pitch, .833 mm/cm taper (metric)                         |
| M       | 02443M | A     | 06/26/01 | THREADFORM          | External 1.290 load flank x 1.621 stab flank x 6.350 pitch (metric)                        |
| M       | 06811  |       | 09/29/05 | THREADFORM          | EXTERNAL LIFT PLUG THREAD FORM: .0700 LOAD FLANK X .0856 STAB FLANK X .3333 PITCH          |
| M       | 06811M |       | 03/23/09 | THREADFORM          | EXTERNAL LIFT PLUG THREAD FORM: 1.778 LOAD FLANK X 2.174 STAB FLANK X 8.466 PITCH          |
| M       | 05356  | B     | 02/14/08 | THREADFORM          | EXTERNAL NU & EU 10 ROUND API  |
| M       | 08097  | F     | 08/16/19 | THREADFORM          | MODIFIED BUTTRESS EXTERNAL THREADFORM  |
| M       | 04566  | B     | 08/13/98 | THREADFORM          | External TS-HD .050 THD. HT. X 6 pitch   |
| M       | 04566M | A     | 08/13/98 | THREADFORM          | External TS-HD 1.27MM THD. HT. X 6 pitch   |
| M       | 04564  | B     | 8-13-98  | THREADFORM          | External TS-HP .0315 THD. HT. X 8 pitch  |
| M       | 04564M | A     | 08/13/98 | THREADFORM          | External TS-HP .80MM THD. HT. X 8 pitch  |
| M       | 07853  |       | 10/06/11 | THREADFORM          | External wedge .040 x .046 thread height; .290 S.F. x .308 L.F. lead                       |
| M       | 07564  |       | 10/12/10 | THREADFORM          | External wedge .044 x .054 thread height; .290 S.F. x .308 L.F. lead                       |
| M       | 07512  |       | 08/02/10 | THREADFORM          | External wedge .044 x .054 thread height; .292 S.F. x .308 L.F. lead                       |
| M       | 07562  |       | 10/12/10 | THREADFORM          | External wedge .044 x .056 thread height; .292 S.F. x .308 L.F. lead                       |
| M       | 07265  | B     | 01/07/11 | THREADFORM          | External wedge .044 x .056 thread height; .290 S.F. x .308 L.F. lead                       |
| M       | 07689  |       | 03/09/11 | THREADFORM          | External wedge .054 x .072 thread height; .350 S.F. x .368 L.F. lead                       |
| M       | 08153  |       | 05/10/13 | THREADFORM          | External wedge-lock Flush series   |
| M       | 07971  | P     | 07/03/18 | THREADFORM          | EXTERNAL WEDGE CONNECTION SERIES   |
| M       | 06059  |       | 07/25/02 | THREADFORM          | INTERNAL - 13 3/8" SEAL-LOCK BOSS-S TIMED WORKING MAKE-UP POSITIONER                       |
| M       | 06039  |       | 07/12/02 | THREADFORM          | INTERNAL - 2 1/16" - 4 1/2" SEAL-LOCK HT-S TIMED WORKING MAKEUP POSITIONERS                |
| M       | 06041  |       | 07/12/02 | THREADFORM          | INTERNAL - 5" - 7" SEAL-LOCK HT-S TIMED WORKING MAKEUP POSITIONERS                         |
| M       | 06057  |       | 07/25/02 | THREADFORM          | INTERNAL - 9 5/8" SEAL-LOCK BOSS-S TIMED WORKING MAKE-UP POSITIONER                        |
| M       | 02620  | A     | 8-4-97   | THREADFORM          | Internal .0330 load flank x .750 in/ft taper x .1250 pitch                                 |
| M       | 00970  | B     | 8-4-97   | THREADFORM          | Internal .0330 load flank x .864 T.P.F. x .125 pitch                                       |
| M       | 00586  | G     | 8-4-97   | THREADFORM          | Internal .0400 load flank x .750 T.P.F. x .125 pitch                                       |
| M       | 02548  | B     | 8-4-97   | THREADFORM          | Internal .0414 L.F. height 1.0205" T.P.F. 6 threads per inch                               |
| M       | 04964  |       | 12/28/98 | THREADFORM          | Internal .042 load flank x .200 pitch, x 1.375 in/ft taper                                 |
| M       | 02766  | C     | 8-4-97   | THREADFORM          | Internal .0430 load flank x .200 pitch, 1.000 in/ft taper                                  |
| M       | 00838  | A     | 8-4-97   | THREADFORM          | Internal .0434 height 1.250" T.P.F. 6 threads per inch                                     |
| M       | 01668  | A     | 8-4-97   | THREADFORM          | Internal .0468 load flank x .0572 stab flank x .2000 pitch                                 |
| M       | 00262  | F     | 8-4-97   | THREADFORM          | Internal .0494 height .864" T.P.F. 6 thread per inch                                       |
| M       | 00053  | M     | 8-4-97   | THREADFORM          | Internal .0494 height 1.0205" T.P.F. 6 thread per inch                                     |
| M       | 05755  |       | 05/15/01 | THREADFORM          | Internal .050 load flank x .200 pitch, x 2.400 in/ft taper                                 |
| M       | 04135  | A     | 8-4-97   | THREADFORM          | Internal .0520 load flank x .198 pitch x 1.000 in/ft taper                                 |

| Dwg Int | Dwg #  | Rev # | Date     | Product Abreviation | Description   |
|---------|--------|-------|----------|---------------------|---|
| M       | 03908  | D     | 8-4-97   | THREADFORM          | Internal .0520 load flank x .200 pitch, x 1.000 in/ft taper                                 |
| M       | 02444  | C     | 9-14-98  | THREADFORM          | Internal .0528 load flank x .0658 stab flank x .2500 pitch                                  |
| M       | 00930  | A     | 8-4-97   | THREADFORM          | Internal .053 height x 1.375 T.P.F. 5 threads per inch                                      |
| M       | 01666  | A     | 8-4-97   | THREADFORM          | Internal .0588 load flank x .0692 stab flank x .2000 pitch                                  |
| M       | 00225  | D     | 8-4-97   | THREADFORM          | Internal .059 load flank x .0673 stab flank x .200 pitch                                    |
| M       | 02699  | C     | 8-4-97   | THREADFORM          | Internal .0610 load flank x .0740 stab flank x .250 pitch                                   |
| M       | 02701  | D     | 8-14-97  | THREADFORM          | Internal .0690 load flank x .0898 stab flank x .250 pitch                                   |
| M       | 03913  | D     | 8-4-97   | THREADFORM          | Internal .0700 load flank x .0829 stab flank x .248 pitch                                   |
| M       | 02274  | D     | 9-14-98  | THREADFORM          | Internal .0720 load flank x .0876 stab flank x .3333 pitch                                  |
| M       | 00379  | D     | 8-4-97   | THREADFORM          | Internal .0896 load flank x .107 stab flank x .333 pitch                                    |
| M       | 05537  | B     | 03/16/01 | THREADFORM          | Internal .0896 load flank x .107 stab flank x .333 pitch (3 pitch riser connector)          |
| M       | 06114  |       | 09/17/02 | THREADFORM          | INTERNAL .090 LOAD FLANK X .1134 STAB FLANK X .500 PITCH (SL DC)                            |
| M       | 01674  | A     | 8-4-97   | THREADFORM          | Internal .0946 load flank x .1120 stab flank x .3333 pitch                                  |
| M       | 02620M |       | 07/20/00 | THREADFORM          | Internal .838 load flank x .625 mm/cm taper x 3.175 pitch (replaces M00586 Rev. E) (metric) |
| M       | 02766M |       | 07/20/00 | THREADFORM          | Internal 1.092 load flank x 5.080 pitch, .833 mm/cm taper (metric)                          |
| M       | 02444M |       | 07/18/00 | THREADFORM          | Internal 1.341 load flank x 1.671 stab flank x 6.350 pitch (metric)                         |
| M       | 02699M |       | 09/02/10 | THREADFORM          | Internal 1.550 load flank x 1.880 stab flank x 6.350 pitch (METRIC)                         |
| M       | 02274M |       | 03/10/09 | THREADFORM          | Internal 1.829 load flank x 2.225 stab flank x 8.466 pitch (metric)                         |
| M       | 05355  | A     | 02/14/08 | THREADFORM          | INTERNAL NU & EU 10 ROUND API   |
| M       | 04567  | B     | 08/13/98 | THREADFORM          | Internal TS-HD .050 THD. HT. X 6 pitch  |
| M       | 04567M | A     | 08/13/98 | THREADFORM          | Internal TS-HD 1.27 THD. HT. X 6 pitch  |
| M       | 04565  | B     | 08/13/98 | THREADFORM          | Internal TS-HP .0315 THD. HT. X 8 pitch   |
| M       | 04565M | A     | 08/13/98 | THREADFORM          | Internal TS-HP .80MM THD. HT. X 8 pitch   |
| M       | 07854  |       | 10/06/11 | THREADFORM          | Internal wedge .040 x .046 thread height; .290 S.F. x .308 L. F. lead                       |
| M       | 07565  |       | 10/12/10 | THREADFORM          | Internal wedge .044 x .054 thread height; .290 S.F. x .308 L. F. lead                       |
| M       | 07513  |       | 08/02/10 | THREADFORM          | Internal wedge .044 x .054 thread height; .292 S.F. x .308 L. F. lead                       |
| M       | 07266  | B     | 01/07/11 | THREADFORM          | Internal wedge .044 x .056 Thread height; .290 S.F. x .308 L. F. lead                       |
| M       | 07563  |       | 10/12/10 | THREADFORM          | Internal wedge .044 x .056 thread height; .292 S.F. x .308 L. F. lead                       |
| M       | 07690  |       | 03/09/11 | THREADFORM          | Internal wedge .054 x .072 Thread height; .350 S.F. x .368 L. F. lead                       |
| M       | 07331  |       | 05/08/09 | THREADFORM          | Internal wedge .066 load flank height X .092 stab flank height                              |
| M       | 08098  | F     | 08/16/19 | THREADFORM          | MODIFIED BUTTRESS INTERNAL THREADFORM   |
| M       | 08154  |       | 05/10/13 | THREADFORM          | Internal wedge-lock Flush series  |
| M       | 07976  | P     | 07/03/18 | THREADFORM          | INTERNAL WEDGE CONNECTION SERIES  |
| M       | 06488  |       | 01/20/04 | THREADFORM          | INTERNAL & EXTERNAL THREADFORM 4 PITCH SEAL-LOCK WASH PIPE                                  |
| M       | 06489  |       | 01/20/04 | THREADFORM          | INTERNAL & EXTERNAL THREADFORM 6 PITCH SEAL-LOCK WASH PIPE                                  |
| M       | 06490  |       | 01/20/04 | THREADFORM          | INTERNAL & EXTERNAL THREADFORM 8 PITCH SEAL-LOCK WASH PIPE                                  |
| M       | 07401  |       | 10/28/09 | TITANIUM            | 3 1/2" .170 WALL NUE PIN SWAGING  |
| X       | 07049  |       | 07/16/07 | TITANIUM            | 4 1/2" TEST PIN   |
| X       | 07205  | A     | 07/07/08 | TITANIUM            | 7 5/8" TEST PIN   |

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| Dwg Int | Dwg # | Rev # | Date     | Product Abreviation              | Description   |
|---------|-------|-------|----------|----------------------------------|---|
| A       | 03587 | I     | 12/28/10 | TKC 4040                         | 2 3/8" - 4 1/2" ACCESSORY BOX                                   |
| M       | 03583 | J     | 12/28/10 | TKC 4040                         | 2 3/8" - 4 1/2" COUPLING  |
| M       | 07294 | C     | 08/14/14 | TKC 4040 TPL                     | 2 3/8" - 4 1/2" COUPLING  |
| M       | 03586 | C     | 10/9/97  | TKC 4040                         | 2 3/8" - 4 1/2" END SEAL  |
| M       | 03585 | A     | 7/29/96  | TKC 4040                         | 2 3/8" - 4 1/2" NOSE SEAL                                       |
| I       | 07395 |       | 10/08/09 | TKC 4040                         | 2 7/8" pin & box gage setting dimension for MRP gage            |
| A       | 03794 | B     | 12/28/10 | TKC 4040                         | 3 1/2" SPECIAL CLEARANCE INGRAM CACTUS CRA TUBING HANGER        |
| I       | 07334 |       | 05/09/09 | TKC 4040                         | 3 1/2" GAGE SETTING DIM. FOR MRP GAGE                           |
| A       | 05724 | A     | 12/28/10 | TKC 4040                         | 4 1/2" BELL NIPPLE  |
| M       | 05375 | D     | 10/02/03 | TKC 4040 HO                      | 2 3/8" - 4 1/2" COUPLING  |
| M       | 05723 |       | 03/23/01 | TKC 4040 HO                      | 4 1/2" THREAD TECH/PAN CANADIAN                                 |
| A       | 06234 | I     | 08/30/10 | TKC 4040 HO, 4040 HO-I           | 2 3/8" - 4 1/2" ACCESSORY BOX                                   |
| G       | 05378 | B     | 07/22/03 | TKC 4040 HO, 4040 HO-I           | 2 3/8" - 4 1/2" COUPLING SETTING STANDARD                       |
| G       | 09354 | A     | 02/21/18 | TKC 4040 HO, 4040 HO-I           | 2 3/8" - 4 1/2" BOX SETTING STANDARD- EDM FRAME STYLE           |
| I       | 07477 |       | 01/16/10 | TKC 4040 HO, 4040 HO-I           | 2 7/8" GAGE SETTING DIMS FOR MRP GAGE                           |
| I       | 07108 |       | 12/13/07 | TKC 4040 HO, 4040 HO-I           | 3 1/2" GAGE SETTING DIM. FOR MRP GAGE                           |
| I       | 07104 | A     | 11/19/07 | TKC 4040 HO, 4040 HO-I           | 4 1/2" GAGE SETTING DIM. FOR ROD STYLE STANDARDS                |
| P       | 06336 | F     | 08/30/10 | TKC 4040 HO, 4040 HO-I, 4040 RTC | 2 3/8" - 4 1/2" ACCESSORY BLANKING DIMENSIONS                   |
| M       | 06235 | H     | 08/30/10 | TKC 4040 HO-I                    | 2 3/8" - 4 1/2" COUPLING  |
| A       | 08988 |       | 08/26/14 | TKC 4040 HO-I                    | 4 1/2" 11.60# VIT HANDLING PLUG                                 |
| A       | 08239 | A     | 02/25/14 | TKC 4040 HO-I                    | 5 1/2" 17# HANDLING PLUG  |
| M       | 06602 | B     | 11/09/11 | TKC 4040 HO-I                    | 5 1/2" COUPLING   |
| M       | 07442 |       | 03/22/10 | TKC 4040 HO-I                    | 6 5/8" COUPLING   |
| M       | 06758 | A     | 08/27/08 | TKC 4040 HO-I                    | 7" COUPLING   |
| M       | 09302 |       | 11/07/16 | TKC 4040 HO-I                    | 8 5/8" 36# PIN  |
| M       | 09303 |       | 11/07/16 | TKC 4040 HO-I                    | 8 5/8" 36# COUPLING   |
| G       | 09304 | A     | 12/05/16 | TKC 4040 HO-I                    | 8 5/8" 36# COUPLING SETTING STANDARD -EDM FRAME STYLE           |
| M       | 06999 |       | 03/07/07 | TKC 4040 HO-I                    | NC38 x 3 1/2" TKC 4040 HO-I DRIVE SUB                           |
| M       | 06990 | A     | 03/01/07 | TKC 4040 HO-I                    | NC50 BOX x 3 1/2" TKC 4040 HO-I PIN DRIVE SUB                   |
| A       | 09069 |       | 01/16/15 | TKC 4040 HO-I VIT                | 2 3/8" 4.60# HANDLING PLUG                                      |
| A       | 09118 |       | 06/02/15 | TKC 4040 HO-I VIT                | 3 1/2" 9.20# HANDLING PLUG                                      |
| A       | 05278 | E     | 11/09/11 | TKC 4040 HO-I, 4040 RTC & C4040  | 5 1/2" ACCESSORY BOX  |
| I       | 07105 | C     | 01/29/10 | TKC 4040 HO-I, 4040 RTC & C4040  | 5 1/2" COUPLING & ACC BOX GAGE SET DIMS FOR ROD STYLE STANDARDS |
| G       | 05276 | A     | 01/20/10 | TKC 4040 HO-I, 4040 RTC & C4040  | 5 1/2" COUPLING SETTING STANDARD - EDM FRAME STYLE              |
| P       | 05715 | D     | 11/09/11 | TKC 4040 HO-I, 4040 RTC & C4040  | 5" - 9 5/8" ACCESORY BLANKING DIMENSIONS                        |
| A       | 05910 | B     | 01/20/10 | TKC 4040 HO-I, 4040 RTC & C4040  | 5" ACCESSORY BOX  |
| G       | 05908 | B     | 12/28/10 | TKC 4040 HO-I, 4040 RTC & C4040  | 5" COUPLING SETTING STANDARD - EDM FRAME STYLE                  |
| A       | 07443 |       | 03/22/10 | TKC 4040 HO-I, 4040 RTC & C4040  | 6 5/8" ACCESSORY BOX  |
| G       | 07445 |       | 03/22/10 | TKC 4040 HO-I, 4040 RTC & C4040  | 6 5/8" COUPLING SETTING STANDARD - EDM FRAME STYLE              |

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|---------|-------|-------|----------|---------------------------------|---|
| A       | 05636 | C     | 01/20/10 | TKC 4040 HO-I, 4040 RTC & C4040 | 7" ACCESSORY BOX  |
| G       | 05638 | B     | 12/28/10 | TKC 4040 HO-I, 4040 RTC & C4040 | 7" COUPLING SETTING STANDARD - EDM FRAME STYLE                    |
| P       | 04713 |       | 4/16/98  | TKC 4040 IJMMS                  | 2 3/8" - 4 1/2" 4040 INTEGRAL MMS BLANKING DIMENSIONS             |
| M       | 04711 | B     | 06/11/03 | TKC 4040 IJMMS                  | 2 3/8" - 4 1/2" 4040 INTEGRAL MMS BOX                             |
| M       | 04712 |       | 4/16/98  | TKC 4040 IJMMS                  | 2 3/8" - 4 1/2" 4040 INTEGRAL MMS PIN                             |
| P       | 06594 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS ACCESSORY BLANKING DIMENSIONS                 |
| A       | 06591 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS ACCESSORY BOX                                 |
| M       | 06596 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS ACCESSORY CENTER SEAL RING                    |
| M       | 06595 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS CENTER SEAL RING                              |
| M       | 06590 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS COUPLING                                      |
| G       | 06598 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS COUPLING MARKING GAGE                         |
| G       | 06593 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS COUPLING SETTING STANDARD                     |
| M       | 06589 | A     | 08/23/17 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS PIN   |
| G       | 06597 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS PIN MARKING GAGE                              |
| G       | 06592 |       | 06/09/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS PIN SETTING STANDARD                          |
| M       | 06599 |       | 06/17/04 | TKC 4040 MMS                    | 2 1/6" NUE 4040 MMS SPECIAL CLEARANCE COUPLING O.D.               |
| P       | 03618 | D     | 11/07/17 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS ACCESSORY BLANKING DIMENSIONS        |
| A       | 03617 | E     | 12/19/05 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS ACCESSORY BOX                        |
| M       | 03787 | C     | 11/07/17 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS ACCESSORY CENTER SEAL RING           |
| M       | 03616 | E     | 11/07/17 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS CENTER SEAL RING                     |
| M       | 03614 | G     | 05/16/06 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS COUPLING                             |
| G       | 05141 | A     | 06/11/03 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS COUPLING MARKING GAGE                |
| G       | 05170 |       | 08/18/99 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS COUPLING SETTING STANDARD            |
| G       | 06877 |       | 04/20/06 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS COUPLING SETTING STD EDM FRAME STYLE |
| M       | 03615 | C     | 11/07/17 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS PIN                                  |
| G       | 05140 | B     | 06/11/03 | TKC 4040 MMS                    | 2 3/8" - 4 1/2" NUE 4040 MMS PIN MARKING GAGE                     |
| M       | 05441 |       | 05/05/00 | TKC 4040 MMS                    | 2 7/8" SPECIAL CLEARANCE COUPLING O.D.                            |
| P       | 05605 |       | 10/25/00 | TKC 4040 MMS                    | 5" ACCESSORY BLANKING DIMS  |
| A       | 05604 | C     | 03/31/10 | TKC 4040 MMS                    | 5" ACCESSORY BOX  |
| M       | 05606 |       | 10/25/00 | TKC 4040 MMS                    | 5" ACCESSORY CENTER SEAL RING                                     |
| M       | 05603 |       | 10/25/00 | TKC 4040 MMS                    | 5" CENTER SEAL RING   |
| M       | 05601 | C     | 03/31/10 | TKC 4040 MMS                    | 5" COUPLING   |
| G       | 05608 |       | 10/25/00 | TKC 4040 MMS                    | 5" COUPLING MARKING GAGE  |
| G       | 05609 |       | 10/25/00 | TKC 4040 MMS                    | 5" COUPLING SETTING STANDARD                                      |
| M       | 05602 | A     | 08/23/17 | TKC 4040 MMS                    | 5" PIN  |
| G       | 05607 |       | 10/25/00 | TKC 4040 MMS                    | 5" PIN MARKING GAGE   |
| P       | 06165 | A     | 03/10/05 | TKC 4040 MMS                    | 5 1/2" ACCESSORY BLANKING DIMENSIONS                              |
| A       | 06163 | C     | 03/31/10 | TKC 4040 MMS                    | 5 1/2" ACCESSORY BOX  |
| M       | 06164 |       | 11/05/02 | TKC 4040 MMS                    | 5 1/2" ACCESSORY CENTER SEAL RING                                 |

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|---------|-------|-------|----------|---------------------|--|
| M       | 06162 |       | 11/05/02 | TKC 4040 MMS        | 5 1/2" CENTER SEAL RING  |
| M       | 06161 | C     | 03/31/10 | TKC 4040 MMS        | 5 1/2" COUPLING  |
| G       | 06168 | A     | 03/10/05 | TKC 4040 MMS        | 5 1/2" COUPLING MARKING GAUGE  |
| G       | 06166 | A     | 03/10/05 | TKC 4040 MMS        | 5 1/2" COUPLING SETTING STANDARD - EDM FRAME STYLE                   |
| M       | 06160 | D     | 08/23/17 | TKC 4040 MMS        | 5 1/2" PIN   |
| G       | 06167 | A     | 03/10/05 | TKC 4040 MMS        | 5 1/2" PIN MARKING GAGE  |
| M       | 06577 |       | 04/22/04 | TKC 4040 MMS        | 7" ACC. CENTER SEAL RING   |
| P       | 06576 |       | 04/22/04 | TKC 4040 MMS        | 7" ACCESSORY BLANKING DIMENSIONS                                     |
| A       | 06574 | A     | 03/31/10 | TKC 4040 MMS        | 7" ACCESSORY BOX   |
| M       | 06337 | A     | 04/22/04 | TKC 4040 MMS        | 7" CENTER SEAL RING  |
| M       | 06573 | A     | 03/31/10 | TKC 4040 MMS        | 7" COUPLING  |
| G       | 06578 |       | 04/22/04 | TKC 4040 MMS        | 7" COUPLING MARKING GAGE   |
| G       | 06575 |       | 04/22/04 | TKC 4040 MMS        | 7" CPLG. SETTING STANDARD - EDM FRAME STYLE                          |
| M       | 06572 | A     | 08/23/17 | TKC 4040 MMS        | 7" PIN   |
| I       | 07405 |       | 11/05/09 | TKC 4040 MMS        | 7" PIN & BOX GAGE SET. DIMS FOR MRP GAGE SET-UP                      |
| G       | 06579 |       | 04/22/04 | TKC 4040 MMS        | 7" PIN MARKING GAGE  |
| M       | 07920 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" COUPLING  |
| M       | 07922 | A     | 08/23/17 | TKC 4040 MMS        | 8 5/8" PIN   |
| M       | 07923 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" CENTER SEAL RING  |
| A       | 07924 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" ACC BOX   |
| P       | 07925 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" ACC BLANKING DIMS   |
| M       | 07926 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" ACC CENTER SEAL RING  |
| G       | 07927 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" PIN SET. STD. - EDM FRAME STYLE                               |
| G       | 07928 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" COUPLING SET. STD. - EDM FRAME STYLE                          |
| G       | 07929 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" COUPLING MARKING GAGE   |
| G       | 07930 |       | 12/14/11 | TKC 4040 MMS        | 8 5/8" PIN MARKING GAGE  |
| P       | 07155 |       | 02/22/08 | TKC 4040 MMS        | PIN COATING SPECIFICATION  |
| G       | 05465 | C     | 01/29/10 | TKC 4040 RTC        | 2 3/8" - 4 1/2" COUPLING SETTING STANDARD (ROUND)                    |
| M       | 05303 | D     | 01/20/10 | TKC 4040 RTC        | 2 3/8" - 4 1/2" COUPLING   |
| A       | 07419 | B     | 01/03/11 | TKC 4040 RTC        | 2 3/8" - 4 1/2" ACCESSORY BOX  |
| A       | 07550 |       | 09/10/10 | TKC 4040 RTC        | 2 3/8" - 4 1/2" INTERNAL TOOL GUIDE                                  |
| A       | 07466 | A     | 04/27/10 | TKC 4040 RTC        | 4 1/2" IF x 4 1/2" 11.60# TKC 4040 RTC SLIP JOINT SAVER SUB, UPPER   |
| A       | 07467 | A     | 04/27/10 | TKC 4040 RTC        | 4 1/2" IF x 4 1/2" 11.60# TKC 4040 RTC SLIP JOINT SAVER SUB, LOWER   |
| A       | 07468 | A     | 04/27/10 | TKC 4040 RTC        | 4 1/2" IF BOX x 4 1/2" 11.60# TKC 4040 RTC SLIP JOINT SAVER SUB, PIN |
| M       | 07410 | A     | 01/20/10 | TKC 4040 RTC        | 5" COUPLING  |
| A       | 07776 |       | 06/14/11 | TKC 4040 RTC        | 5" 18# & ABOVE INTERNAL TOOL GUIDE                                   |
| M       | 07329 | B     | 11/14/14 | TKC 4040 RTC        | 5 1/2" COUPLING  |
| A       | 07462 | A     | 12/28/10 | TKC 4040 RTC        | 5 1/2" 17# AND ABOVE INTERNAL TOOL GUIDE                             |
| M       | 07831 |       | 08/17/11 | TKC 4040 RTC        | 5 1/2" 20# TKC 4040 BOX x 4 1/2" 13.50# API BUTTRESS PIN             |



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|---------|-------|-------|----------|--|---|
| M       | 07652 |       | 01/28/11 | TKC 4040 RTC   | 6 5/8" COUPLING   |
| M       | 07402 | A     | 01/20/10 | TKC 4040 RTC   | 7" COUPLING   |
| M       | 07612 |       | 01/05/11 | TKC 4040 RTC   | 9 5/8" COUPLING   |
| A       | 07600 |       | 12/29/10 | TKC 4040 RTC   | PIN MAKE-UP STENCIL                                     |
| M       | 07210 | A     | 06/17/08 | TKC 4040 TLP   | 2 7/8" COUPLING   |
| M       | 07294 | C     | 08/14/14 | TKC 4040 TPL   | 2 3/8" - 4 1/2" COUPLING (THERMAL PLASTIC LINING)       |
| G       | 05644 | A     | 01/05/11 | TKC 4040, 4040HO-I, 4040RTC, & C4040                       | 9 5/8" COUPLING SETTING STANDARD - EDM FRAME STYLE      |
| A       | 05643 | B     | 01/05/11 | TKC 4040, 4040HO-I, 4040RTC, & C4040                       | 9 5/8" ACCESSORY BOX                                    |
| P       | 03588 | G     | 08/30/10 | TKC 4040, 4040P, C4040                                     | 2 3/8" - 4 1/2" ACC BLANK DIMS                          |
| G       | 04246 | B     | 05/03/07 | TKC 4040, 4040P, C4040                                     | 2 3/8" - 4 1/2" NUE COUPLING SETTING STANDARD           |
| M       | 05376 | H     | 12/03/14 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I          | 2 3/8" - 4 1/2" PIN                                     |
| M       | 05907 | C     | 12/28/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040 HO-I         | 5" PIN  |
| M       | 05274 | F     | 11/09/11 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I          | 5 1/2" PIN  |
| I       | 07526 |       | 08/09/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I          | 5 1/2" Pin gage setting dimensions for MRP Gage         |
| M       | 07441 |       | 03/22/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I          | 6 5/8" PIN  |
| M       | 05635 | D     | 12/28/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I          | 7" PIN  |
| G       | 05639 | B     | 12/20/11 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I          | 7" PIN SETTING STANDARD - EDM FRAME STYLE               |
| M       | 05641 | A     | 01/05/11 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I          | 9 5/8" PIN  |
| G       | 09353 | A     | 08/07/18 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I, 4040MMS | 2 3/8" - 4 1/2" PIN SETTING STANDARD- EDM FRAME STYLE   |
| G       | 05379 | B     | 01/29/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I, 4040MMS | 2 3/8" - 4 1/2" PIN SETTING STANDARD (ROUND)            |
| G       | 05277 | A     | 01/29/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I, 4040MMS | 5 1/2" Pin Set. Std. - EDM Frame Style                  |
| G       | 05610 | A     | 01/29/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I, 4040MMS | 5" PIN SETTING STANDARD (ROUND)                         |
| G       | 05909 | A     | 01/29/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I, 4040MMS | 5" PIN SETTING STANDARD EDM FRAME STYLE                 |
| G       | 07444 |       | 03/22/10 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I, 4040MMS | 6 5/8" PIN SETTING STANDARD EDM FRAME STYLE             |
| G       | 05645 | A     | 01/05/11 | TKC 4040, 4040P, C4040, 4040RTC, 4040HO, 4040HO-I, 4040MMS | 9 5/8" PIN SETTING STANDARD - EDM FRAME STYLE           |
| A       | 03590 | H     | 12/28/10 | TKC 4040P  | 2 3/8" - 4 1/2" NUE 4040 TKC PLUS ACCESSORY BOX (DEUCE) |
| M       | 03589 | I     | 12/28/10 | TKC 4040P  | 2 3/8" - 4 1/2" NUE 4040 TKC PLUS COUPLING (DEUCE)      |
| M       | 03786 |       | 4/19/96  | TKC 4040P  | 4" 11.60# NUE 4040 TKC PLUS SPECIAL EXXON BEVEL (DEUCE) |
| P       | 06601 | A     | 11/09/11 | TKC 4040P  | 5 1/2" ACCESSORY BLANKING DIMENSIONS                    |
| A       | 03564 | C     | 02/08/12 | TKC BTC  | 4 1/2" - 20" ACCESSORY BOX                              |
| P       | 03565 | B     | 02/08/12 | TKC BTC  | 4 1/2" - 20" BOX ACCESSORY BLANKING DIMENSIONS          |
| M       | 03560 | C     | 02/08/12 | TKC BTC  | 4 1/2" - 20" COUPLING                                   |
| M       | 03562 | A     | 08/31/10 | TKC BTC  | 4 1/2" - 20" NOSE SEAL                                  |
| P       | 03566 | A     | 05/12/04 | TKC BTC  | 4 1/2" - 20" PIN ACCESSORY BLANKING DIMENSIONS          |
| G       | 04154 | A     | 02/16/01 | TKC BTC  | 4 1/2" - 20" COUPLING P.D. SETTING STANDARD             |
| M       | 03563 |       | 9/18/95  | TKC BTC  | 4 1/2" - 20" END SEAL                                   |
| M       | 03561 | F     | 05/11/17 | TKC BTC  | 4 1/2" - 20" PIN END FINISH                             |
| G       | 04153 |       | 2/13/97  | TKC BTC  | 4 1/2" - 20" PIN SETTING STANDARD                       |
| G       | 05701 |       | 02/12/01 | TKC BTC  | 7" ALL WEIGHTS COUPLING SET STD - EDM FRAME STYLE       |

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| G       | 05703 |       | 02/12/01 | TKC BTC             | 9 5/8" ALL WEIGHTS COUPLING SET STD - EDM FRAME STYLE          |
| M       | 04244 | E     | 12/28/10 | TKC C4040           | 2 3/8" - 4 1/2" COUPLING                                       |
| M       | 04245 | D     | 08/30/10 | TKC C4040           | 2 3/8" - 4 1/2" STEEL CENTER RING                              |
| M       | 04929 | A     | 03/06/01 | TKC C4040           | 3 1/2" 9.2# DROP-IN STEEL CENTER RING FOR FREEPORT             |
| M       | 04930 | A     | 03/06/01 | TKC C4040           | 3 1/2" 9.3# TEFLON RING FOR FREEPORT SULFUR                    |
| M       | 04928 | B     | 12/28/10 | TKC C4040           | 3 1/2" 9.3# W/ EXTERNAL SEAL FOR FREEPORT SULFUR               |
| M       | 05273 | A     | 06/11/03 | TKC C4040           | 5 1/2" Coupling  |
| M       | 05275 | A     | 11/09/11 | TKC C4040           | 5 1/2" Steel center ring                                       |
| M       | 05906 | A     | 06/11/03 | TKC C4040           | 5" COUPLING  |
| M       | 05905 |       | 02/06/02 | TKC C4040           | 5" STEEL CENTER RING   |
| M       | 05634 | A     | 06/11/03 | TKC C4040           | 7" COUPLING  |
| M       | 05637 |       | 12/19/00 | TKC C4040           | 7" DROP IN STEEL CENTER RING                                   |
| M       | 05640 | A     | 06/11/03 | TKC C4040           | 9 5/8" COUPLING  |
| M       | 05642 |       | 12/19/00 | TKC C4040           | 9 5/8" DROP IN STEEL CENTER RING                               |
| A       | 03642 | B     | 02/08/12 | TKC CBTC            | 4 1/2" - 20" ACCESSORY BOX                                     |
| P       | 03643 | A     | 05/17/04 | TKC CBTC            | 4 1/2" - 20" ACCESSORY BOX BLANKING DIMENSIONS                 |
| P       | 03644 | A     | 05/17/04 | TKC CBTC            | 4 1/2" - 20" PIN ACCESSORY BLANKING DIMENSIONS                 |
| M       | 03640 | D     | 05/11/17 | TKC CBTC            | 4 1/2" - 20" RECOMMENDED PIN END FINISH                        |
| M       | 03641 | E     | 05/17/04 | TKC CBTC            | 4 1/2" - 20" RING  |
| M       | 03639 | A     | 9/9/96   | TKC CBTC            | 4 1/2" - 20" COUPLING  |
| M       | 06344 | A     | 06/30/04 | TKC CBTC            | 9 5/8" 40# & 47# API BUTTRESS TKC CONVERTIBLE RING, NEXEN ONLY |
| A       | 08968 |       | 07/08/14 | TKC CBTC            | 20" 133# SAVER PLUG  |
| I       | 07474 |       | 05/28/10 | TKC CBTC            | 20" BOX GAGE SET. DIMS. FOR ROD STYLE STDS.                    |
| M       | 04658 |       | 2/27/98  | TKC CBTC            | SPECIAL O.D. FOR 7"  |
| P       | 03623 |       | 9/7/95   | TKC CEUE            | 2 3/8" - 4 1/2" ACCESSORY BLANKING DIMENSIONS                  |
| A       | 03622 | A     | 09/09/96 | TKC CEUE            | 2 3/8" - 4 1/2" ACCESSORY BOX                                  |
| M       | 03621 | D     | 01/24/01 | TKC CEUE            | 2 3/8" - 4 1/2" RING   |
| M       | 03619 | A     | 04/17/01 | TKC CEUE            | 2 3/8" - 4 1/2" COUPLING                                       |
| M       | 03620 | D     | 05/11/17 | TKC CEUE            | 2 3/8" - 4 1/2" RECOMMENDED PIN END FINISH                     |
| T       | 06653 |       | 04/05/91 | TKC CLTC            | 4 1/2" HYDRAULIC RING INSERTION TOOL END PLATE                 |
| T       | 06652 |       | 02/22/91 | TKC CLTC            | 4 1/2" HYDRAULIC RING INSERTION TOOL ASSEMBLY DRAWING          |
| T       | 06656 |       | 04/05/91 | TKC CLTC            | 4 1/2" HYDRAULIC RING INSERTION TOOL CYLINDER MOUNT            |
| T       | 06654 |       | 04/05/91 | TKC CLTC            | 4 1/2" HYDRAULIC RING INSERTION TOOL LARGE END PLATE           |
| T       | 06655 |       | 04/05/91 | TKC CLTC            | 4 1/2" HYDRAULIC RING INSERTION TOOL RING HOLDER               |
| T       | 06657 |       | 04/06/91 | TKC CLTC            | 4 1/2" HYDRAULIC RING INSERTION TOOL TIE ROD FOR               |
| T       | 06658 |       | 04/06/91 | TKC CLTC            | 4 1/2" HYDRAULIC RING INSERTION TOOL TIE ROD SPACER FOR        |
| A       | 03637 | B     | 05/17/04 | TKC CLTC            | 4 1/2" - 20" ACCESSORY BOX                                     |
| M       | 03636 | E     | 05/17/04 | TKC CLTC            | 4 1/2" - 20" RING  |
| P       | 03638 | A     | 05/17/04 | TKC CLTC            | 4 1/2" - 20" ACCESSORY BLANKING DIMENSIONS                     |

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| M       | 03634 | A     | 08/10/00 | TKC CLTC            | 4 1/2" - 20" COUPLING  |
| M       | 03635 | F     | 05/11/17 | TKC CLTC            | 4 1/2" - 20" PIN END FINISH  |
| M       | 06267 |       | 11/30/93 | TKC CLTC            | 7 5/8" 26.40# CEMENT LINED RING (CONV. PER STAUDT)                   |
| M       | 06269 |       | 01/26/94 | TKC CLTC            | 7 5/8" 26.40# CEMENT LINED RING, 1" WIDE (CONV. PER STAUDT)          |
| M       | 06270 |       | 01/26/94 | TKC CLTC            | 7 5/8" 26.40# CEMENT LINED TEFLON RING (1" RING) (CONV. PER STAUDT)  |
| M       | 06268 |       | 11/30/93 | TKC CLTC            | 7 5/8" 26.40# CEMENT LINED TEFLON RING (CONV. PER STAUDT)            |
| M       | 03624 |       | 9/5/95   | TKC CNUE            | 2 3/8" - 4 1/2" 8/10 RND COUPLING                                    |
| M       | 03625 | C     | 04/18/01 | TKC CNUE            | 2 3/8" - 4 1/2" 8/10 RND RECOMMENDED PIN END FINISH                  |
| P       | 03628 |       | 9/19/95  | TKC CNUE            | 2 3/8" - 4 1/2" 8/10 RND ACCESSORY BLANKING DIMENSIONS               |
| A       | 03627 |       | 9/19/95  | TKC CNUE            | 2 3/8" - 4 1/2" 8/10 RND ACCESSORY BOX                               |
| M       | 03626 | C     | 01/24/01 | TKC CNUE            | 2 3/8" - 4 1/2" 8/10 RND RING  |
| M       | 03630 | D     | 05/11/17 | TKC CSTC            | 4 1/2" - 20" RECOMMENDED FOR PIN END FINISH                          |
| P       | 03633 |       | 9/19/95  | TKC CSTC            | 4 1/2" - 20" ACCESSORY BLANKING DIMENSIONS                           |
| A       | 03632 | A     | 08/10/00 | TKC CSTC            | 4 1/2" - 20" ACCESSORY BOX   |
| M       | 03629 | A     | 08/10/00 | TKC CSTC            | 4 1/2" - 20" COUPLING  |
| M       | 03631 | C     | 01/24/01 | TKC CSTC            | 4 1/2" - 20" RING  |
| M       | 05087 |       | 5/17/99  | TKC CSTC            | 5 1/2" 15.5# FREEPORT RING   |
| M       | 05088 |       | 5/17/99  | TKC CSTC            | 5 1/2" 15.5# FREEPORT TEFLON RING                                    |
| P       | 03541 | A     | 02/17/11 | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD ACCESSORY BLANKING DIMS                      |
| G       | 04116 |       | 1/22/97  | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD SPECIAL CLEARANCE SPACER                     |
| A       | 03540 | B     | 02/17/11 | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD ACCESSORY BOX                                |
| M       | 03536 | B     | 02/17/11 | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD COUPLING                                     |
| G       | 04115 | A     | 2/4/97   | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD COUPLING P.D. SETTING STANDARD               |
| M       | 03539 | A     | 7/3/96   | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD END SEAL                                     |
| M       | 03538 | A     | 7/3/96   | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD NOSE SEAL                                    |
| M       | 03537 | D     | 05/11/17 | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD PIN  |
| G       | 04114 |       | 1/22/97  | TKC EUE             | 2 3/8" - 4 1/2" EUE 8RD PIN SETTING STANDARD                         |
| M       | 04345 |       | 8/11/97  | TKC EUE             | 3 1/2" 9.30# EUE 8RD CONVERSION (FROM 3 1/2" 9.30# 2-STEP PIN CONN.) |
| M       | 04343 |       | 8/7/97   | TKC EUE             | 3 1/2" 9.30# EUE 8RD CONVERSION (FROM 3 1/2" 9.30# 2-STEP PIN CONN.) |
| G       | 04252 |       | 5/21/97  | TKC FJ150           | 1" (1.315) - 2 1/16 (2.063) BOX P.D. SETTING STANDARD                |
| G       | 04253 |       | 5/21/97  | TKC FJ150           | 1" (1.315) - 2 1/16 (2.063) PIN P.D. SETTING STANDARD                |
| M       | 03829 | B     | 10/27/05 | TKC FJ150           | 1" (1.315) - 2 1/16" (2.063) BOX CONNECTOR                           |
| M       | 03828 |       | 5/14/96  | TKC FJ150           | 1" (1.315) - 2 1/16" (2.063) PIN CONNECTOR                           |
| M       | 05563 |       | 09/22/00 | TKC FJ150           | 1.56 - 2.41 SCHLUMBERGER PUSH PIPE BOX CONNECTOR                     |
| G       | 05565 |       | 09/22/00 | TKC FJ150           | 1.56 - 2.41 SCHLUMBERGER PUSH PIPE BOX P.D. SETTING STANDARD         |
| M       | 05562 |       | 09/22/00 | TKC FJ150           | 1.56 - 2.41 SCHLUMBERGER PUSH PIPE PIN CONNECTOR                     |
| G       | 05564 |       | 09/22/00 | TKC FJ150           | 1.56 - 2.41 SCHLUMBERGER PUSH PIPE PIN P.D. SETTING STANDARD         |
| I       | 07156 |       | 02/22/08 | TKC FJ150           | 2.2" SCHLUMBERGER PIN X BOX GAGE SET. DIMS. FOR ROD STYLE STDS.      |
| M       | 05946 | A     | 05/22/02 | TKC FJ150           | 2.20" SCHLUMBERGER BOX   |

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|---------|-------|-------|----------|---------------------|--|
| G       | 05948 | A     | 05/22/02 | TKC FJ150           | 2.20" SCHLUMBERGER BOX P.D. SETTING STANDARD                               |
| M       | 05945 | B     | 05/22/02 | TKC FJ150           | 2.20" SCHLUMBERGER PIN   |
| G       | 05947 | A     | 05/22/02 | TKC FJ150           | 2.20" SCHLUMBERGER PIN P.D. SETTING STANDARD                               |
| A       | 06557 |       | 03/25/04 | TKC FJ150           | 2 3/8" LIFT PLUG ALL WEIGHTS   |
| I       | 07273 |       | 02/05/09 | TKC FJ150           | 2 3/8" 4.60# PIN & BOX GAGE SETTING DIMS. FOR ROD STYLE STDS.              |
| I       | 07117 |       | 12/26/07 | TKC FJ150           | 2 3/8" 5.80# FJ-150 PIN & BOX GAGE SET. DIMS. FOR ROD STYLE STDS.          |
| P       | 04573 | C     | 01/04/12 | TKC FJ150           | 2 3/8" - 4 1/2" ACCESSORY BLANKING DIMENSIONS                              |
| M       | 03920 | C     | 11/16/05 | TKC FJ150           | 2 3/8" - 4 1/2" BOX CONNECTOR  |
| G       | 04024 | B     | 07/14/05 | TKC FJ150           | 2 3/8" - 4 1/2" BOX P.D. SETTING STANDARD                                  |
| M       | 03921 | D     | 07/14/05 | TKC FJ150           | 2 3/8" - 4 1/2" PIN CONNECTOR  |
| G       | 04025 | B     | 07/14/05 | TKC FJ150           | 2 3/8" - 4 1/2" PIN P.D. SETTING STANDARD                                  |
| A       | 06558 |       | 03/25/04 | TKC FJ150           | 2 7/8" LIFT PLUG ALL WEIGHTS   |
| A       | 05409 | A     | 03/19/04 | TKC FJ150           | 3 1/2" LIFT PLUG (ALL WEIGHTS)   |
| A       | 06559 |       | 03/25/04 | TKC FJ150           | 4" LIFT PLUG ALL WEIGHTS   |
| I       | 07511 |       | 07/30/10 | TKC FJ150           | 4" 9.50# PIN & BOX GAGE SETTING DIMENSIONS FOR MRP GAGE SETUP              |
| M       | 05061 |       | 4/20/99  | TKC FJ150           | 4" 11# CONCENTRIC COUPLING BLANK   |
| A       | 06560 |       | 03/25/04 | TKC FJ150           | 4 1/2" LIFT PLUG ALL WEIGHTS   |
| I       | 07106 |       | 11/30/07 | TKC FJ150           | 4 1/2" 11.60# GAGE SET. DIMS. FOR MRP GAGE SETUP PIN & BOX                 |
| I       | 07306 |       | 03/31/09 | TKC FJ150           | 4 1/2" 15.10# GAGE SET. DIMS. FOR MRP GAGE SETUP PIN & BOX                 |
| P       | 04917 |       | 10/27/98 | TKC FJ150           | 5" ACCESSORY BLANKING DIMENSIONS   |
| M       | 04214 | B     | 10/27/05 | TKC FJ150           | 5" ALL WEIGHTS BOX CONNECTORS  |
| M       | 04215 | A     | 5/11/98  | TKC FJ150           | 5" ALL WEIGHTS PIN CONNECTORS  |
| I       | 04776 |       | 6/26/98  | TKC FJ150           | 5" BOX SETTING STANDARD - EDM FRAME STLYE                                  |
| I       | 04775 |       | 6/26/98  | TKC FJ150           | 5" PIN SETTING STANDARD - EDM FRAME STYLE                                  |
| A       | 05853 | A     | 03/19/01 | TKC FJ150           | 5", ALL WEIGHTS, LIFT PLUG   |
| I       | 04541 | A     | 05/28/09 | TKC FJ150           | 5 1/2" 14 - 23# PIN & BOX GAGE SET. DIM. FOR ROD STYLE STDS                |
| P       | 04918 |       | 10/27/98 | TKC FJ150           | 5 1/2" ACCESSORY BLANKING DIMENSIONS                                       |
| M       | 04209 | B     | 10/27/05 | TKC FJ150           | 5 1/2" ALL WEIGHTS BOX CONNECTOR   |
| M       | 04210 | A     | 5/11/98  | TKC FJ150           | 5 1/2" ALL WEIGHTS PIN CONNECTOR   |
| I       | 04778 |       | 6/26/98  | TKC FJ150           | 5 1/2" BOX SETTING STANDARD - EDM FRAME STYLE                              |
| A       | 05281 | A     | 03/19/04 | TKC FJ150           | 5 1/2" LIFT PLUG, ALL WEIGHTS  |
| I       | 04777 |       | 6/26/98  | TKC FJ150           | 5 1/2" PIN SETTING STANDARD - EDM FRAME STYLE                              |
| P       | 04919 |       | 10/27/98 | TKC FJ150           | 6 5/8" ACCESSORY BLANKING DIMENSIONS                                       |
| M       | 04861 | A     | 10/27/05 | TKC FJ150           | 6 5/8" ALL WEIGHTS BOX CONNECTORS  |
| M       | 04862 |       | 9/3/98   | TKC FJ150           | 6 5/8" ALL WEIGHTS PIN CONNECTORS  |
| G       | 04864 |       | 9/3/98   | TKC FJ150           | 6 5/8" BOX SETTING STANDARD - EDM FRAME STYLE                              |
| A       | 05911 | A     | 02/06/02 | TKC FJ150           | 6 5/8" LIFT PLUG ALL WEIGHTS   |
| G       | 04863 |       | 9/3/98   | TKC FJ150           | 6 5/8" PIN SETTING STANDARD - EDM FRAME STYLE                              |
| M       | 05913 |       | 02/05/02 | TKC FJ150           | 6 5/8" 24# X 3 1/2" SLIP CONNECTOR, SPECIAL END FINISH, USF/JOHNSON SCREEN |

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|---------|-------|-------|----------|---------------------|---|
| A       | 05912 | A     | 10/27/05 | TKC FJ150           | 6 5/8" 24# BOX CONNECTOR, USF/JOHNSON SCREEN                                    |
| G       | 05952 |       | 03/21/02 | TKC FJ150           | 6 5/8" 24# PIN GAGE SETTING STANDARD SPACER                                     |
| P       | 04920 |       | 10/27/98 | TKC FJ150           | 7" ACCESSORY BLANKING DIMENSIONS  |
| M       | 04767 | B     | 10/27/05 | TKC FJ150           | 7" ALL WEIGHTS BOX CONNECTORS   |
| A       | 05522 | A     | 03/19/04 | TKC FJ150           | 7" ALL WEIGHTS LIFT PLUG  |
| M       | 04766 | A     | 11/9/00  | TKC FJ150           | 7" ALL WEIGHTS PIN CONNECTORS   |
| I       | 04773 |       | 6/25/98  | TKC FJ150           | 7" BOX SETTING STANDARD - EDM FRAME STLYE                                       |
| I       | 04772 |       | 6/25/98  | TKC FJ150           | 7" PIN SETTING STANDARD - EDM FRAME STYLE                                       |
| M       | 06130 | C     | 10/07/05 | TKC FJ150           | 7" 20# BOX (HALLIBURTON)  |
| M       | 06131 | A     | 10/25/02 | TKC FJ150           | 7" 20# PIN (HALLIBURTON)  |
| M       | 05226 | A     | 11/01/05 | TKC FJ150           | 7" 23# BOX CONNECTOR, USF/JOHNSON SCREEN  |
| M       | 05060 |       | 4/20/99  | TKC FJ150           | 7" 23# CONCENTRIC COUPLING BLANK  |
| G       | 05116 |       | 6/30/99  | TKC FJ150           | 7" 23# PIN GAGE SETTING STANDARD SPACER   |
| M       | 05227 |       | 09/16/99 | TKC FJ150           | 7" 23# X 4" SLIP CONNECTOR, SPECIAL END FINISH, USF/JOHNSON SCREEN              |
| A       | 04945 |       | 12/1/98  | TKC FJ150           | 7" 23.00 LB/FT LIFT SUB FOR (JOHNSON SCREEN)                                    |
| I       | 07340 |       | 05/27/09 | TKC FJ150           | 7" 26# PIN & BOX GAGE SETTING DIMS. FOR MRP GAGE SETUP                          |
| I       | 07195 |       | 05/29/08 | TKC FJ150+E3367     | 7" 23# PIN & BOX GAGE SETTING DIMS. FOR MRP GAGE SETUP                          |
| M       | 05058 |       | 4/16/99  | TKC FJ150           | 7" 23# - 4" 11# CONCENTRIC COUPLING SPACER,                                     |
| M       | 05062 |       | 4/20/99  | TKC FJ150           | 7" 23# - 4" 11# CONCENTRIC COUPLING WELD ASSEMBLY,                              |
| M       | 05057 |       | 4/16/99  | TKC FJ150           | 7" 23# - 4" 11# CONCENTRIC COUPLING   |
| M       | 05059 |       | 4/16/99  | TKC FJ150           | 7" 23# - 4" 11# CONCENTRIC PIN  |
| P       | 04921 |       | 10/27/98 | TKC FJ150           | 7 5/8" ACCESSORY BLANKING DIMENSIONS  |
| M       | 04769 | B     | 10/27/05 | TKC FJ150           | 7 5/8" ALL WEIGHTS BOX CONNECTORS   |
| M       | 04768 |       | 6/25/98  | TKC FJ150           | 7 5/8" ALL WEIGHTS PIN CONNECTORS   |
| I       | 04780 |       | 6/26/98  | TKC FJ150           | 7 5/8" BOX SETTING STANDARD - EDM FRAME STYLE                                   |
| A       | 06561 |       | 03/25/04 | TKC FJ150           | 7 5/8" LIFT PLUG ALL WEIGHTS  |
| I       | 04779 |       | 6/26/98  | TKC FJ150           | 7 5/8" PIN SETTING STANDARD - EDM FRAME STYLE                                   |
| M       | 04934 |       | 11/20/98 | TKC FJ150           | 7 5/8" 24# SPECIAL PIN END BORE DETAIL  |
| M       | 06171 | A     | 10/27/05 | TKC FJ150           | 7 5/8" 26.40# FJ-150 BOX CONNECTOR, USF/JOHNSON SCREEN                          |
| M       | 06170 | A     | 06/02/03 | TKC FJ150           | 7 5/8" 26.40# FJ-150 X 4" SLIP CONNECTOR, SPECIAL END FINISH USF/JOHNSON SCREEN |
| P       | 04984 |       | 1/19/99  | TKC FJ150           | 8 5/8" ACCESSORY BLANKING DIMENSIONS  |
| M       | 04981 | A     | 10/27/05 | TKC FJ150           | 8 5/8" ALL WEIGHTS BOX CONNECTOR  |
| M       | 04980 | A     | 03/30/04 | TKC FJ150           | 8 5/8" ALL WEIGHTS PIN CONNECTOR  |
| G       | 04983 |       | 1/19/99  | TKC FJ150           | 8 5/8" BOX SETTING STANDARD - EDM FRAME STLYE                                   |
| A       | 06562 |       | 03/25/04 | TKC FJ150           | 8 5/8" LIFT PLUG ALL WEIGHTS  |
| G       | 04982 |       | 1/19/99  | TKC FJ150           | 8 5/8" PIN SETTING STANDARD - EDM FRAME STYLE                                   |
| P       | 05393 |       | 03/15/00 | TKC FJ150           | 9 5/8" ACCESSORY BLANKING DIMENSIONS  |
| G       | 05392 |       | 03/15/00 | TKC FJ150           | 9 5/8" BOX SETTING STANDARD - EDM FRAME STYLE                                   |
| M       | 05390 | A     | 10/27/05 | TKC FJ150           | 9 5/8" BOX, ALL WEIGHTS   |

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| A       | 06563 |       | 03/25/04 | TKC FJ150           | 9 5/8" LIFT PLUG ALL WEIGHTS                                       |
| M       | 05389 |       | 03/15/00 | TKC FJ150           | 9 5/8" PIN   |
| G       | 05391 |       | 03/15/00 | TKC FJ150           | 9 5/8" PIN SETTING STANDARD - EDM FRAME STYLE                      |
| A       | 07255 |       | 11/17/08 | TKC FJ150           | 9 5/8" 36# FJ-150 PIN x NC-50 (4 1/2" IF) BOX, SAVER SUB           |
| A       | 07180 | A     | 04/22/08 | TKC FJ150           | 9 5/8" 40# LIFT PLUG, X-LONG                                       |
| A       | 07184 |       | 04/16/08 | TKC FJ150           | 9 5/8" 40# FJ-150 PIN x NC-50 (4 1/2" IF) BOX SAVER SUB            |
| M       | 07439 |       | 03/17/10 | TKC FJ4040          | 2 3/8" - 5 1/2" PIN  |
| M       | 07440 |       | 03/17/10 | TKC FJ4040          | 2 3/8" - 5 1/2" BOX  |
| A       | 07458 |       | 03/25/10 | TKC FJ4040          | 2 3/8" - 5 1/2" LIFT PLUG  |
| P       | 07459 |       | 03/25/10 | TKC FJ4040          | 2 3/8" - 5 1/2" ACCESSORY BLANKING DIMS.                           |
| G       | 07456 |       | 03/25/10 | TKC FJ4040          | 2 3/8" - 5 1/2" PIN SET. STD. - EDM FRAME STYLE                    |
| G       | 07457 |       | 03/25/10 | TKC FJ4040          | 2 3/8" - 5 1/2" BOX SET. STD. - EDM FRAME STYLE                    |
| M       | 06933 |       | 11/09/06 | TKC FJ4040          | 4 3/4" X .500" WALL BOX  |
| G       | 06935 |       | 11/09/06 | TKC FJ4040          | 4 3/4" X .500" WALL BOX SETTING STANDARD - EDM FRAME STYLE         |
| M       | 06932 |       | 11/09/06 | TKC FJ4040          | 4 3/4" X .500" WALL PIN  |
| G       | 06934 |       | 11/09/06 | TKC FJ4040          | 4 3/4" X .500" WALL PIN SETTING STANDARD - EDM FRAME STYLE         |
| P       | 06940 |       | 11/09/06 | TKC FJ4040          | 4 3/4" - 6 3/4" BLANKING DIMENSIONS                                |
| M       | 06937 |       | 11/09/06 | TKC FJ4040          | 6 3/4" X .688" BOX   |
| M       | 06936 |       | 11/09/06 | TKC FJ4040          | 6 3/4" X .688" PIN   |
| G       | 06939 |       | 11/09/06 | TKC FJ4040          | 6 3/4" X .688" WALL BOX SETTING STANDARD - EDM FRAME STYLE         |
| G       | 06938 |       | 11/09/06 | TKC FJ4040          | 6 3/4" X .688" WALL PIN SETTING STANDARD - EDM FRAME STYLE         |
| P       | 05420 |       | 04/20/00 | TKC FJ4040MMS       | 2 3/8" - 4 1/2" ACCESSORY BLANKING DIMENSIONS                      |
| M       | 04049 | G     | 09/14/15 | TKC FJ4040MMS       | 2 3/8" - 4 1/2" BOX  |
| G       | 05418 |       | 04/20/00 | TKC FJ4040MMS       | 2 3/8" - 4 1/2" BOX P.D. SETTING STANDARD                          |
| A       | 06544 | A     | 02/23/04 | TKC FJ4040MMS       | 2 3/8" - 4 1/2" LIFT PLUG  |
| M       | 04050 | E     | 09/11/15 | TKC FJ4040MMS       | 2 3/8" - 4 1/2" PIN END  |
| G       | 05419 |       | 04/20/00 | TKC FJ4040MMS       | 2 3/8" - 4 1/2" PIN P.D. SETTING STANDARD                          |
| M       | 04051 | B     | 04/20/00 | TKC FJ4040MMS       | 2 3/8" - 4/12" TEFLON SEAL RING                                    |
| I       | 07237 |       | 09/18/08 | TKC FJ4040MMS       | 4 1/2" 11.60# PIN & BOX GAGE SETTING DIMENSIONS FOR MRP GAGE SETUP |
| M       | 07109 |       | 12/18/07 | TKC FJ4040MMS       | 5" 15# BOX   |
| M       | 07110 |       | 12/18/07 | TKC FJ4040MMS       | 5" 15# PIN   |
| M       | 07111 |       | 12/18/07 | TKC FJ4040MMS       | 5" 15# SEAL RING, TEFLON   |
| G       | 07112 |       | 12/18/07 | TKC FJ4040MMS       | 5" 15# BOX SET. STD. - EDM FRAME STYLE                             |
| G       | 07113 |       | 12/18/07 | TKC FJ4040MMS       | 5" 15# PIN SET. STD. - EDM FRAME STYLE                             |
| P       | 07114 |       | 12/18/07 | TKC FJ4040MMS       | 5" 15# ACC. BLANK. DIMS.   |
| I       | 07115 |       | 12/18/07 | TKC FJ4040MMS       | 5" 15# PIN & BOX GAGE SETTING DIMENSIONS FOR MRP GAGES             |
| A       | 06611 | B     | 12/18/07 | TKC FJ4040MMS       | 5" - 7" LIFT PLUG  |
| P       | 06423 |       | 11/03/03 | TKC FJ4040MMS       | 5 1/2" 15.50# ACCESSORY BLANKING DIMENSIONS                        |
| M       | 06418 | D     | 09/14/15 | TKC FJ4040MMS       | 5 1/2" 15.50# BOX  |

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|---------|-------|-------|----------|---------------------|--|
| G       | 06421 |       | 11/03/03 | TKC FJ4040MMS       | 5 1/2" 15.50# BOX SETTING STANDARD - EDM FRAME STYLE               |
| I       | 06424 |       | 11/03/03 | TKC FJ4040MMS       | 5 1/2" 15.50# PIN & BOX GAGE SET. DIM. FOR ROD STYLE STDS          |
| M       | 06419 | B     | 09/14/15 | TKC FJ4040MMS       | 5 1/2" 15.50# PIN END  |
| G       | 06422 |       | 11/03/03 | TKC FJ4040MMS       | 5 1/2" 15.50# PIN SETTING STANDARD - EDM FRAME STYLE               |
| M       | 06420 |       | 11/03/03 | TKC FJ4040MMS       | 5 1/2" 15.50# SEAL RING, TEFLON                                    |
| G       | 07126 |       | 01/23/08 | TKC FJ4040MMS       | 5 1/2" 15.50# SOFT BOX THREAD SET. STD. - ROUND STYLE              |
| G       | 07129 |       | 01/25/08 | TKC FJ4040MMS       | 5 1/2" 15.50# SOFT PIN THREAD SET. STD. - ROUND STYLE              |
| M       | 07787 |       | 06/17/11 | TKC FJ4040MMS       | 5 1/2" 17# BOX   |
| M       | 07788 |       | 06/17/11 | TKC FJ4040MMS       | 5 1/2" 17# PIN   |
| M       | 07789 |       | 06/17/11 | TKC FJ4040MMS       | 5 1/2" 17# SEAL RING, TEFLON                                       |
| G       | 07790 |       | 06/17/11 | TKC FJ4040MMS       | 5 1/2" 17# BOX SETTING STANDARD - EDM FRAME STYLE                  |
| G       | 07791 |       | 06/17/11 | TKC FJ4040MMS       | 5 1/2" 17# PIN SETTING STANDARD - EDM FRAME STYLE                  |
| P       | 07792 |       | 06/17/11 | TKC FJ4040MMS       | 5 1/2" 17# ACCESSORY BLANK. DIMS                                   |
| P       | 05430 |       | 04/25/00 | TKC FJ4040MMS       | 7" 23# ACCESSORY BLANKING DIMENSIONS                               |
| M       | 05425 | B     | 10/07/05 | TKC FJ4040MMS       | 7" 23# BOX   |
| G       | 05428 |       | 04/25/00 | TKC FJ4040MMS       | 7" 23# BOX SETTING STANDARD - EDM FRAME STYLE                      |
| I       | 05439 |       | 05/02/00 | TKC FJ4040MMS       | 7" 23# GAGE SETTING DIMENSIONS FOR ROD STYLE STANDARDS (PIN & BOX) |
| M       | 05426 | A     | 01/08/04 | TKC FJ4040MMS       | 7" 23# PIN END   |
| G       | 05429 |       | 04/25/00 | TKC FJ4040MMS       | 7" 23# PIN SETTING STANDARD - EDM FRAME STYLE                      |
| M       | 05427 |       | 04/25/00 | TKC FJ4040MMS       | 7" 23# TEFLON SEAL RING  |
| M       | 03699 |       | 12/29/95 | TKC FS150           | 1.135" - 2.063" NUE COUPLING CONNECTORS                            |
| G       | 04234 |       | 4/30/97  | TKC FS150           | 1.315" - 2.063" COUPLING SETTING STANDARD                          |
| M       | 03700 | A     | 3/10/98  | TKC FS150           | 1.315" - 2.063" PIN  |
| A       | 03702 |       | 12/29/95 | TKC FS150           | 1.315" - 2.063" NUE ACCESSORY BOX                                  |
| M       | 03701 |       | 12/29/95 | TKC FS150           | 1.315" - 2.063" NUE CONVERTIBLE RING                               |
| M       | 04216 | B     | 3/10/98  | TKC FS150           | 1.315" - 2.063" NUE INTEGRAL COUPLING CONNECTOR                    |
| G       | 04235 |       | 4/30/97  | TKC FS150           | 1.315" - 2.063" PIN SETTING STANDARD                               |
| P       | 03703 |       | 12/29/95 | TKC FS150           | 1.315" - 2.063" NUE ACCESSORY BLANKING DIMENSIONS                  |
| G       | 03977 |       | 8/27/96  | TKC FS150           | 2 3/8" - 4 1/2" COUPLING SETTING STANDARD                          |
| A       | 03657 | A     | 3/10/98  | TKC FS150           | 2 3/8" - 4 1/2" NUE ACCESSORY BOX                                  |
| P       | 03658 |       | 12/27/95 | TKC FS150           | 2 3/8" - 4 1/2" NUE BLANKING DIMENSIONS                            |
| M       | 03656 | A     | 9/24/97  | TKC FS150           | 2 3/8" - 4 1/2" NUE CONVERTIBLE RING                               |
| M       | 03655 | A     | 3/10/98  | TKC FS150           | 2 3/8" - 4 1/2" NUE COUPLING CONNECTOR                             |
| M       | 03535 | A     | 3/10/98  | TKC FS150           | 2 3/8" - 4 1/2" PIN  |
| G       | 03978 | A     | 11/16/05 | TKC FS150           | 2 3/8" - 4 1/2" PIN SETTING STANDARD                               |
| M       | 05077 | A     | 5/11/99  | TKC FS150           | 4" NUE SPECIAL PITCH DIA. AND SHOULDER DEPTH                       |
| M       | 05075 |       | 4/30/99  | TKC FS150           | 4" 11# COMCENTRIC COUPLING BLANK                                   |
| P       | 05068 |       | 4/29/99  | TKC FS150           | 7" ACCESSORY BLANKING DIMENSIONS                                   |
| A       | 05066 |       | 4/29/99  | TKC FS150           | 7" ACCESSORY BOX   |

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|---------|-------|-------|----------|---------------------|--|
| M       | 05064 |       | 4/29/99  | TKC FS150           | 7" COUPLING CONNECTOR  |
| M       | 05065 |       | 4/29/99  | TKC FS150           | 7" PIN   |
| M       | 05067 |       | 4/29/99  | TKC FS150           | 7" STEEL CENTER RING   |
| M       | 05074 |       | 4/30/99  | TKC FS150           | 7" 23# CONCENTRIC COUPLING BLANK                                     |
| M       | 05071 | A     | 5/11/99  | TKC FS150           | 7" 23# - 4" 11# CONCENTRIC COUPLING                                  |
| M       | 05072 |       | 4/29/99  | TKC FS150           | 7" 23# - 4" 11# CONCENTRIC COUPLING SPACER                           |
| M       | 05076 |       | 4/30/99  | TKC FS150           | 7" 23# - 4" 11# CONCENTRIC COUPLING WELD ASSEMBLY                    |
| M       | 05073 |       | 4/30/99  | TKC FS150           | 7" 23# - 4" 11# CONCENTRIC PIN                                       |
| M       | 05098 |       | 6/2/99   | TKC FS150           | 7" 23# - 4" 11# CONCENTRIC PIN BLANKING                              |
| G       | 05079 |       | 5/3/99   | TKC FS150           | 7" - 4" CONCENTRIC PIN EDM SETTING STANDARD                          |
| G       | 05078 |       | 5/3/99   | TKC FS150           | 7" - 4" CONCENTRIC COUPLING EDM SETTING STANDARD                     |
| M       | 07758 |       | 05/13/11 | TKC IJ-4040         | 4 1/2" COUPLING FOR THERMOPLASTIC LINER                              |
| G       | 07771 |       | 05/18/11 | TKC IJ-4040         | 4 1/2" COUPLING SETTING STANDARD FOR THERMOPLASTIC LINER             |
| M       | 07759 |       | 05/13/11 | TKC IJ-4040         | 4 1/2" 12.75# PIN FOR THERMOPLASTIC LINER                            |
| A       | 03558 | A     | 05/17/04 | TKC LTC             | 4 1/2" - 20" ACCESSORY BOX   |
| M       | 03557 |       | 9/11/95  | TKC LTC             | 4 1/2" - 20" END SEAL  |
| M       | 03556 | A     | 6/11/96  | TKC LTC             | 4 1/2" - 20" NOSE SEAL   |
| M       | 03555 | E     | 05/11/17 | TKC LTC             | 4 1/2" - 20" PIN END FINISH  |
| P       | 03559 | A     | 05/17/04 | TKC LTC             | 4 1/2" - 20" ACCESSORY BLANKING DIMENSIONS                           |
| M       | 03554 | B     | 05/17/04 | TKC LTC             | 4 1/2" - 20" COUPLING  |
| G       | 04137 |       | 2/3/97   | TKC LTC             | 4 1/2" - 20" COUPLING P.D. SETTING STANDARD                          |
| G       | 04139 |       | 2/3/97   | TKC LTC             | 4 1/2" - 20" MMS SPACER  |
| G       | 04136 |       | 2/3/97   | TKC LTC             | 4 1/2" - 20" PIN SETTING STANDARD                                    |
| G       | 04138 |       | 2/3/97   | TKC LTC             | 4 1/2" - 20" SPECIAL CLEARANCE SPACER                                |
| G       | 05481 |       | 06/19/00 | TKC LTC             | 5 1/2" ALL WEIGHTS, PIN SETTING STANDARD - EDM STYLE                 |
| G       | 05480 |       | 05/19/00 | TKC LTC             | 5 1/2" ALL WEIGHTS, STD. O.D. CPLG. BOX SETTING STANDARD - EDM STYLE |
| G       | 05483 |       | 06/19/00 | TKC LTC             | 7" ALL WEIGHTS, PIN SETTING STANDARD - EDM STYLE                     |
| G       | 05482 |       | 05/19/00 | TKC LTC             | 7" ALL WEIGHTS, STD. O.D. CPLG. BOX SETTING STANDARD - EDM STYLE     |
| I       | 06760 |       | 06/22/05 | TKC LTC             | 7 5/8" TKC LTC 8 ROUND COUPLING & PIN MIC TRAC SETTING DIMENSIONS    |
| A       | 06002 |       | 05/30/02 | TKC MMS             | 4 1/2" DRIFT (TOOLING)   |
| A       | 05943 |       | 03/12/02 | TKC MMS             | 5 1/2" DRIFT (TOOLING)   |
| I       | 07222 |       | 09/03/8  | TKC MMS             | 5 1/2" PIN & BOX GAGE SETTING DIMS. FOR MRP GAGE SETUP               |
| I       | 07250 |       | 11/05/08 | TKC MMS             | 6 5/8" PIN & BOX GAGE SETTING DIMS. FOR MRP GAGE SETUP               |
| A       | 07509 |       | 07/29/10 | TKC MMS             | 7" 23# DRIFT FOR TK-99   |
| A       | 05942 |       | 03/12/02 | TKC MMS             | CASING FIELD DRIFT SINKER BAR (TOOLING)                              |
| G       | 06110 |       | 06/28/96 | TKC MMS             | MMS MARKING GAGE CALIBRATION   |
| A       | 06873 | A     | 12/13/07 | TKC MMS             | MMS PIN MARKING DRILL BIT HOLDER                                     |
| A       | 04880 |       | 9/15/98  | TKC MMS             | TUBING AND CASING FIELD DRIFT SINKER BAR                             |
| A       | 07260 | A     | 03/24/09 | TKC MMS             | NUE/EUE MMS TUBING DRIFT   |



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|---------|-------|-------|----------|---------------------|--|
| G       | 05972 |       | 04/26/02 | TKC MMS EUE         | 2 3/8" MMS EUE 8 RND COUPLING MARKING PLUG GAGE                    |
| G       | 05973 |       | 04/26/02 | TKC MMS EUE         | 2 3/8" MMS EUE 8 RND MARKING RING GAGE                             |
| M       | 04949 |       | 12/3/98  | TKC MMS EUE         | 2 3/8" - 3 1/2" MMS EUE 8 RND CENTER SEAL RING, TUBOSCOPE FGL      |
| M       | 04948 | A     | 01/07/02 | TKC MMS EUE         | 2 3/8" - 3 1/2" MMS EUE 8 RND COUPLING, TUBOSCOPE FGL              |
| G       | 04278 | A     | 6/27/97  | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND (MO3591X) GROOVE WIDTH DO/NO GAUGE   |
| P       | 03596 |       | 10/4/95  | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND ACCESSORY BLANKING DIMENSIONS        |
| A       | 03594 | C     | 01/07/02 | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND ACCESSORY BOX                        |
| A       | 03595 | A     | 8/13/97  | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND ACCESSORY SEAL RING                  |
| M       | 03593 | C     | 8/13/97  | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND CENTER SEAL RING                     |
| M       | 03591 | E     | 01/07/02 | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND COUPLING                             |
| M       | 03592 | C     | 08/23/17 | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND PIN                                  |
| G       | 04117 |       | 1/22/97  | TKC MMS EUE         | 2 3/8" - 4 1/2" MMS EUE 8 RND SPACER                               |
| G       | 05970 |       | 04/26/02 | TKC MMS EUE         | 2 7/8" MMS EUE 8 RND COUPLING MARKING PLUG GAGE                    |
| G       | 05971 |       | 04/26/02 | TKC MMS EUE         | 2 7/8" MMS EUE 8 RND MARKING RING GAGE                             |
| G       | 05968 |       | 04/26/02 | TKC MMS EUE         | 3 1/2" MMS EUE 8 RND COUPLING MARKING PLUG GAGE                    |
| G       | 05969 |       | 04/26/02 | TKC MMS EUE         | 3 1/2" MMS EUE 8 RND MARKING RING GAGE                             |
| M       | 05903 | A     | 02/08/02 | TKC MMS EUE         | 3 1/2" 4.300" MMS EUE 8 RND SPECIAL CLEARANCE O.D.                 |
| D       | 45106 |       | 3/18/93  | TKC MMS EUE         | 4 1/2" MMS EUE 8 RND PIN MARKING GAUGE                             |
| M       | 05787 |       | 07/02/01 | TKC MMS FGL         | 4" 15.50# LTC SPECIAL MMS RING FOR USE WITH TUBOSCOPE FGL PIPE     |
| M       | 04473 | A     | 01/07/02 | TKC MMS FGL         | 4 1/2" - 9 5/8" LTC 8 RND COUPLING                                 |
| M       | 05789 |       | 07/02/01 | TKC MMS FGL         | 4 1/2" 12.60# LTC SPECIAL MMS RING FOR USE WITH TUBOSCOPE FGL PIPE |
| M       | 04474 |       | 10/16/97 | TKC MMS FGL         | 5 1/2" 15.5# LTC SPECIAL MMS RING FOR USE WITH TUBOSCOPE FGL PIPE  |
| M       | 05788 |       | 07/02/01 | TKC MMS FGL         | 7" 29# LTC SPECIAL MMS RING FOR USE WITH TUBOSCOPE FGL PIPE        |
| G       | 05794 |       | 07/17/01 | TKC MMS FGL         | SPACER PAD FOR EDM STYLE BOX SETTING STANDARD (TUBOSCOPE FGL)      |
| A       | 03606 | D     | 01/07/02 | TKC MMS LTC         | 4 1/2" - 9 5/8" ACCESSORY BOX                                      |
| M       | 03603 | D     | 01/07/02 | TKC MMS LTC         | 4 1/2" - 9 5/8" COUPLING   |
| M       | 03604 | C     | 08/23/17 | TKC MMS LTC         | 4 1/2" - 9 5/8" PIN  |
| P       | 03608 | A     | 7/3/96   | TKC MMS LTC         | 4 1/2" - 9 5/8" ACCESSORY BLANKING DIMENSIONS                      |
| A       | 03607 |       | 11/14/95 | TKC MMS LTC         | 4 1/2" - 9 5/8" ACCESSORY SEAL RING                                |
| G       | 03907 |       | 6/27/96  | TKC MMS LTC         | 4 1/2" - 9 5/8" MRP GAGE SET BAR STANDARD                          |
| M       | 03605 | C     | 09/13/19 | TKC MMS LTC         | 4.500" - 9.625" CENTER SEAL RING                                   |
| G       | 05784 |       | 06/19/01 | TKC MMS LTC         | 4 1/2" BOX MARKING GAUGE   |
| G       | 05783 |       | 06/19/01 | TKC MMS LTC         | 4 1/2" PIN MARKING GAUGE   |
| M       | 06001 |       | 05/29/02 | TKC MMS LTC         | 4 1/2" PIN MARKING GAUGE THICK FILM SHIM                           |
| M       | 04962 | A     | 01/07/02 | TKC MMS LTC         | 5" 18# T-95 S.C. COUPLING FOR SEVON OIL                            |
| G       | 04971 |       | 1/7/99   | TKC MMS LTC         | 5" PIN MARKING GAUGE   |
| M       | 05397 |       | 03/22/00 | TKC MMS LTC         | 5" SPECIAL CLEARANCE O.D.  |
| G       | 04611 |       | 1/21/98  | TKC MMS LTC         | 5 1/2" PIN MARKING GAUGE   |
| G       | 04643 |       | 2/25/98  | TKC MMS LTC         | 5 1/2" COUPLING MARKING GAUGE                                      |

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|---------|-------|-------|----------|-----------------------|--|
| M       | 05915 |       | 02/15/02 | TKC MMS LTC           | 5 1/2" PIN MARKING GAGE THICK FILM SHIM                |
| G       | 07232 |       | 09/08/08 | TKC MMS LTC           | 6 5/8" COUPLING MARKING GAGE                           |
| G       | 07231 |       | 09/08/08 | TKC MMS LTC           | 6 5/8" PIN MARKING GAGE                                |
| G       | 04610 | A     | 1/28/98  | TKC MMS LTC           | 7" PIN MARKING GAUGE                                   |
| G       | 04657 |       | 2/25/98  | TKC MMS LTC           | 7" COUPLING MARKING GAUGE                              |
| M       | 05305 |       | 01/12/00 | TKC MMS LTC           | 7" PIN MARKING GAGE THICK FILM SHIM                    |
| G       | 05733 |       | 04/20/01 | TKC MMS LTC           | 7 5/8" COUPLING MARKING GAGE                           |
| G       | 05734 |       | 04/20/01 | TKC MMS LTC           | 7 5/8" PIN MARKING GAGE                                |
| G       | 05745 |       | 05/01/01 | TKC MMS LTC           | 9 5/8" COUPLING MARKING GAGE                           |
| G       | 05744 |       | 05/01/01 | TKC MMS LTC           | 9 5/8" PIN MARKING GAGE                                |
| M       | 05955 |       | 04/01/02 | TKC MMS LTC           | 9 5/8" PIN MARKING GAGE THICK FILM SHIM                |
| P       | 05040 |       | 4/7/99   | TKC MMS LTC           | PIN COATING SPECIFICATION                              |
| G       | 04877 | A     | 07/17/01 | TKC MMS LTC           | SPACER PAD FOR EDM STYLE BOX SETTING STANDARD          |
| M       | 04849 |       | 8/18/98  | TKC MMS NUE           | 2 3/8" - 3 1/2" NUE 10 RD CENTER SEAL RING             |
| M       | 04847 | A     | 01/07/02 | TKC MMS NUE           | 2 3/8" - 3 1/2" NUE 10 RD COUPLING                     |
| M       | 04848 | A     | 08/23/17 | TKC MMS NUE           | 2 3/8" - 3 1/2" NUE 10 RD PIN                          |
| G       | 04523 |       | 11/25/97 | TKC MMS RICE DUO LINE | 2 3/8" - 4 1/2" 8 ROUND EUE SPACER                     |
| A       | 04519 | B     | 07/08/09 | TKC MMS RICE DUO LINE | 2 3/8" - 4 1/2" EUE 8 RND ACCESSORY BOX                |
| M       | 04520 | A     | 07/08/09 | TKC MMS RICE DUO LINE | 2 3/8" - 4 1/2" EUE 8 RND ACCESSORY SEAL RING          |
| M       | 03917 | C     | 03/21/13 | TKC MMS RICE DUO LINE | 2 3/8" - 4 1/2" EUE 8 RND CENTER SEAL RING             |
| M       | 03916 | B     | 07/08/09 | TKC MMS RICE DUO LINE | 2 3/8" - 4 1/2" EUE 8 RND COUPLING                     |
| M       | 03870 | B     | 05/11/17 | TKC MMS RICE DUO LINE | 2 3/8" - 4 1/2" EUE 8 RND PIN                          |
| G       | 05653 |       | 01/09/01 | TKC MMS STC           | 4 1/2" COUPLING MARKING GAUGE                          |
| G       | 05652 |       | 01/09/01 | TKC MMS STC           | 4 1/2" PIN MARKING GAUGE                               |
| M       | 03598 | D     | 08/23/17 | TKC MMS STC           | 4 1/2" - 10 3/4" PIN                                   |
| P       | 03602 | C     | 03/30/15 | TKC MMS STC           | 4 1/2" - 10 3/4" ACCESSORY BLANKING DIMENSIONS         |
| A       | 03601 | A     | 02/26/15 | TKC MMS STC           | 4 1/2" - 10 3/4" ACCESSORY SEAL RING                   |
| M       | 03599 | C     | 02/26/15 | TKC MMS STC           | 4 1/2" - 10 3/4" CENTER SEAL RING                      |
| A       | 03600 | D     | 02/26/15 | TKC MMS STC           | 4 1/2" - 10 3/4" ACCESSORY BOX                         |
| M       | 03597 | D     | 02/26/15 | TKC MMS STC           | 4 1/2" - 10 3/4" COUPLING                              |
| G       | 03909 | A     | 02/26/15 | TKC MMS STC           | 4 1/2" - 10 3/4" MRP GAGE SET BAR STANDARD             |
| G       | 09075 |       | 02/26/15 | TLC MMS STC           | 10 3/4" COUPLING MARKING GAGE                          |
| G       | 09076 |       | 02/26/15 | TLC MMS STC           | 10 3/4" PIN MARKING GAGE                               |
| M       | 03543 | D     | 05/11/17 | TKC NUE               | 2 3/8" - 4 1/2" 10/8 RND PIN                           |
| P       | 03547 |       | 09/13/95 | TKC NUE               | 2 3/8" - 4 1/2" 10/8 RND ACCESSORY BLANKING DIMENSIONS |
| M       | 03545 | B     | 8/9/96   | TKC NUE               | 2 3/8" - 4 1/2" 10/8 RND END SEAL                      |
| A       | 03546 | A     | 8/9/96   | TKC NUE               | 2 3/8" - 4 1/2" 10/8 RND ACCESSORY BOX                 |
| M       | 03542 | A     | 8/9/96   | TKC NUE               | 2 3/8" - 4 1/2" 10/8 RND COUPLING                      |
| M       | 03544 | B     | 08/09/96 | TKC NUE               | 2 3/8" - 4 1/2" 10/8 RND NOSE SEAL                     |

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|---------|-------|-------|----------|-----------------------------------|---|
| G       | 05704 |       | 02/13/01 | TKC P, TKC CBTC                   | 7" ALL WEIGHTS COUPLING SET STD - EDM FRAME STYLE     |
| G       | 05705 |       | 02/13/01 | TKC P, TKC CBTC                   | 9 5/8" ALL WEIGHTS COUPLING SET STD - EDM FRAME STYLE |
| A       | 03580 | C     | 02/08/12 | TKC PBTC                          | 4 1/2" - 20" ACCESSORY BOX                            |
| P       | 03581 | C     | 02/08/12 | TKC PBTC                          | 4 1/2" - 20" ACCESSORY BOX BLANKING DIMENSIONS        |
| M       | 03579 | D     | 02/08/12 | TKC PBTC                          | 4 1/2" - 20" COUPLING                                 |
| P       | 03582 | B     | 05/17/04 | TKC PBTC                          | 4 1/2" - 20" PIN ACCESSORY BLANKING DIMENSIONS        |
| A       | 03568 | A     | 08/19/09 | TKC PEUE                          | 2 3/8" - 4 1/2" ACCESSORY BOX                         |
| P       | 03569 | A     | 03/07/11 | TKC PEUE                          | 2 3/8" - 4 1/2" ACCESSORY BLANKING DIMENSIONS         |
| M       | 03567 | B     | 03/07/11 | TKC PEUE                          | 2 3/8" - 4 1/2" COUPLING                              |
| P       | 03578 | B     | 03/07/11 | TKC PLTC                          | 4 1/2" - 20" ACCESSORY BLANKING DIMENSIONS            |
| A       | 03577 | A     | 05/18/04 | TKC PLTC                          | 4 1/2" - 20" ACCESSORY BOX                            |
| M       | 03576 | B     | 05/18/04 | TKC PLTC                          | 4 1/2" - 20" COUPLING                                 |
| P       | 03572 |       | 9/13/95  | TKC PNUE                          | 2 3/8" - 4 1/2" ACCESSORY BLANKING DIMENSIONS         |
| A       | 03571 |       | 9/11/95  | TKC PNUE                          | 2 3/8" - 4 1/2" ACCESSORY BOX                         |
| M       | 03570 |       | 9/12/95  | TKC PNUE                          | 2 3/8" - 4 1/2" COUPLING                              |
| A       | 03574 |       | 9/14/95  | TKC PSTC                          | 4 1/2" - 20" CASING ACCESSORY BOX (DEUCE)             |
| M       | 03573 |       | 9/14/95  | TKC PSTC                          | 4 1/2" - 20" CASING COUPLING (DEUCE)                  |
| P       | 03575 |       | 12/21/95 | TKC PSTC                          | 4 1/2" - 20" ACCESSORY BLANKING DIMENSIONS (DEUCE)    |
| M       | 03548 |       | 9/14/95  | TKC STC                           | 4 1/2" - 20" CASING COUPLING                          |
| M       | 03550 |       | 9/14/95  | TKC STC                           | 4 1/2" - 20" NOSE SEAL                                |
| M       | 03549 | D     | 05/11/17 | TKC STC                           | 4 1/2" - 20" PIN END FINISH                           |
| P       | 03553 |       | 9/14/95  | TKC STC                           | 4 1/2" - 20" ACCESSORY BLANKING DIMENSIONS            |
| A       | 03552 |       | 9/14/95  | TKC STC                           | 4 1/2" - 20" CASING ACCESSORY BOX                     |
| M       | 03551 |       | 9/14/95  | TKC STC                           | 10 3/4" - 18 5/8" END SEAL                            |
| P       | 03612 |       | 10/25/95 | TKC TS-8                          | 2 3/8" - 4 1/2" ACCESSORY BLANKING DIMENSIONS         |
| A       | 03611 | C     | 02/09/10 | TKC TS-8                          | 2 3/8" - 4 1/2" EUE 8 ROUND ACCESSORY BOX             |
| M       | 03609 | C     | 02/09/10 | TKC TS-8                          | 2 3/8" - 4 1/2" EUE 8 ROUND COUPLING                  |
| M       | 03610 | B     | 05/11/17 | TKC TS-8                          | 2 3/8" - 4 1/2" PIN                                   |
| P       | 03613 |       | 10/25/95 | TKC TS-8                          | 2 3/8" - 4 1/2" UPSET SPECIFICATIONS                  |
| I       | 07128 |       | 01/24/08 | TKC, TKC P, TKC CONV LTC 8RD      | 5" ACC. BOX GAGE SET. DIMS. FOR MRP GAGES             |
| I       | 07127 |       | 01/24/08 | TKC, TKC P, TKC CONV LTC 8RD      | 4 1/2" ACC. BOX GAGE SET. DIMS. FOR MRP GAGES         |
| G       | 04762 | B     | 07/17/01 | TKC, TKC P, TKC C, TKC MMS LTC    | 4 1/2 20" CASING BOX SET STD-EDM FRAME STLYE          |
| G       | 05700 |       | 02/12/01 | TKC BTC, TKC P BTC, TKC CONV. BTC | 7" ALL WEIGHTS PIN SET STD - EDM FRAME STYLE          |
| G       | 05702 |       | 02/12/01 | TKC BTC, TKC P BTC, TKC CONV. BTC | 9 5/8" ALL WEIGHTS PIN SET STD - EDM FRAME STYLE      |
| M       | 09422 | D     | 07/26/18 | TL BTC BUTTRESS                   | 4 1/2" - 7" PIN NOSE DETAIL                           |
| M       | 09616 |       | 07/31/18 | TL BTC BUTTRESS                   | 7 5/8" - 13 3/8" PIN NOSE DETAIL                      |
| M       | 09424 | F     | 11/15/18 | TL BTC                            | 4 1/2" - 6 5/8" COUPLING                              |
| M       | 09553 | B     | 11/15/18 | TL BTC                            | 7" COUPLING   |
| M       | 09617 | A     | 11/15/18 | TL BTC                            | 7 5/8" - 10 3/4" COUPLING                             |

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| M       | 09622 | A     | 11/15/18 | TL BTC              | 11 3/4" - 13 3/8" COUPLING                             |
| M       | 09423 | F     | 11/15/18 | TL BTC-S            | 4 1/2" - 6.625" COUPLING                               |
| M       | 09618 | A     | 11/15/18 | TL BTC-S            | 7" COUPLING  |
| M       | 09620 | A     | 11/15/18 | TL BTC-S            | 7 5/8" - 10 3/4" COUPLING                              |
| M       | 09623 | A     | 11/15/18 | TL BTC-S            | 11 3/4" - 13 3/8" COUPLING                             |
| G       | 09550 | A     | 11/05/18 | TL BTC / TL BTC-S   | 4 1/2" - 6 5/8" BOX SET. STD. - EDM FRAME STYLE        |
| G       | 09619 |       | 07/31/18 | TL BTC / TL BTC-S   | 7" BOX SET. STD. - EDM FRAME STYLE                     |
| G       | 09621 |       | 07/31/18 | TL BTC / TL BTC-S   | 7 5/8" - 10 3/4" BOX SET. STD. - EDM FRAME STYLE       |
| G       | 09624 |       | 07/31/18 | TL BTC / TL BTC-S   | 11 3/4" - 13 3/8" BOX SET. STD. - EDM FRAME STYLE      |
| M       | 09781 | B     | 08/23/19 | TL FJ               | 7.625" 29.70# PIN                                      |
| M       | 09782 | B     | 08/23/19 | TL FJ               | 7.625" 29.70# BOX                                      |
| G       | 09825 |       | 08/22/19 | TL FJ               | 7.625" 29.70# PIN SETTING STD -FRAME STYLE             |
| G       | 09826 |       | 08/22/19 | TL FJ               | 7.625" 29.70# BOX SETTING STD -FRAME STYLE             |
| M       | 09491 | D     | 07/25/19 | TLW                 | 4.500" 12.60# - 13.50# PIN                             |
| M       | 09492 | E     | 07/25/19 | TLW                 | 4.500" 12.60# - 13.50# BOX                             |
| G       | 09493 | A     | 07/06/18 | TLW                 | 4 1/2" 12.60# - 13.50# PIN SET STD - EDM FRAME STYLE   |
| G       | 09494 | A     | 07/06/18 | TLW                 | 4 1/2" 12.60# - 13.50# BOX SET STD - EDM FRAME STYLE   |
| A       | 09496 | C     | 07/08/19 | TLW                 | 4.500" 12.60# - 13.50# HANDLING PLUG                   |
| T       | 09497 | C     | 07/16/19 | TLW                 | 4.500" 12.60# BOX EXPANSION MANDREL                    |
| T       | 09500 | C     | 07/16/19 | TLW                 | 4.500" 13.50# BOX EXPANSION MANDREL                    |
| M       | 09581 | B     | 07/25/19 | TLW                 | 4.500" 15.10# - 16.60# PIN                             |
| M       | 09582 | B     | 07/25/19 | TLW                 | 4.500" 15.10# - 16.60# BOX                             |
| G       | 09583 |       | 07/26/18 | TLW                 | 4 1/2" 15.10# - 16.60# PIN SET. STD. - EDM FRAME STYLE |
| G       | 09584 |       | 07/26/18 | TLW                 | 4 1/2" 15.10# - 16.60# BOX SET. STD. - EDM FRAME STYLE |
| A       | 09585 | A     | 07/08/19 | TLW                 | 4.500" 15.10# - 16.60# HANDLING PLUG                   |
| T       | 09586 | C     | 07/16/19 | TLW                 | 4.500" 15.10# BOX EXPANSION MANDREL                    |
| T       | 09587 | B     | 07/16/19 | TLW                 | 4.500" 16.60# BOX EXPANSION MANDREL                    |
| M       | 09526 | D     | 07/25/19 | TLW                 | 5.000" 18.00# - 20.30# PIN                             |
| M       | 09527 | D     | 07/25/19 | TLW                 | 5.000" 18.00# - 20.30# BOX                             |
| G       | 09528 | A     | 07/06/18 | TLW                 | 5" 18# - 20.30# PIN SET. STD. - EDM FRAME STYLE        |
| G       | 09529 | A     | 07/06/18 | TLW                 | 5" 18# - 20.30# BOX SET. STD. - EDM FRAME STYLE        |
| A       | 09530 | B     | 07/01/19 | TLW                 | 5.000" 18.00# - 20.30# HANDLING PLUG                   |
| T       | 09531 | B     | 07/16/19 | TLW                 | 5.000" 18# BOX EXPANSION MANDREL                       |
| T       | 09532 | B     | 07/16/19 | TLW                 | 5.000" 20.30# BOX EXPANSION MANDREL                    |
| M       | 09533 | B     | 07/25/19 | TLW                 | 5.500" 17.00# PIN                                      |
| M       | 09534 | C     | 07/25/19 | TLW                 | 5.500" 17.00# BOX                                      |
| G       | 09535 |       | 06/25/18 | TLW                 | 5 1/2" 17# PIN SETTING STANDARD - EDM FRAME STYLE      |
| G       | 09536 |       | 06/25/18 | TLW                 | 5 1/2" 17# BOX SETTING STANDARD - EDM FRAME STYLE      |
| A       | 09537 | A     | 07/01/19 | TLW                 | 5.500" 17.00# HANDLING PLUG                            |

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|---------|--------|-------|----------|---------------------|--|
| T       | 09538  | B     | 07/16/19 | TLW                 | 5.500" 17.00# BOX EXPANSION MANDREL  |
| M       | 09648  | A     | 07/23/19 | TLW                 | 5.500" 20.00# SC BOX CONNECTOR   |
| T       | 09652  | A     | 07/17/19 | TLW                 | 5.500" 20.00# BOX EXPANSION MANDREL (SPECIAL CLEARANCE)                    |
| M       | 09361  | I     | 07/23/19 | TLW                 | 5.500" 20.00# - 23.00# PIN CONNECTOR                                       |
| M       | 09362  | J     | 07/23/19 | TLW                 | 5.500" 20.00# - 23.00# BOX CONNECTOR                                       |
| G       | 09428  | D     | 07/06/18 | TLW                 | 5 1/2" 20# - 23# PIN SETTING STANDARD - EDM FRAME STYLE                    |
| G       | 09429  | E     | 07/06/18 | TLW                 | 5 1/2" 20# - 23# BOX SETTING STANDARD - EDM FRAME STYLE                    |
| A       | 09430  | D     | 06/24/19 | TLW                 | 5.500" 20.00# - 23.00# HANDLING PLUG                                       |
| T       | 09373  | G     | 07/16/19 | TLW                 | 5.500" 20.00# BOX EXPANSION MANDREL  |
| T       | 09525  | D     | 07/16/19 | TLW                 | 5.500" 23.00# BOX EXPANSION MANDREL  |
| M       | 09655  | B     | 07/25/19 | TLW                 | 5.500" 26.00## PIN   |
| M       | 09656  | B     | 07/25/19 | TLW                 | 5.500" 26.00## BOX   |
| G       | 09657  |       | 10/01/18 | TLW                 | 5 1/2" 26# PIN SETTING STANDARD - EDM FRAME STYLE                          |
| G       | 09658  |       | 10/01/18 | TLW                 | 5 1/2" 26# BOX SETTING STANDARD - EDM FRAME STYLE                          |
| A       | 09659  | A     | 07/01/19 | TLW                 | 5.500" 26.00# HANDLING PLUG  |
| T       | 09660  | A     | 07/17/19 | TLW                 | 5.500" 26.00# BOX EXPANSION MANDREL  |
| M       | 09556  | C     | 07/25/19 | TLW                 | 7.625" 29.70# - 33.70# PIN CONNECTOR                                       |
| M       | 09557  | D     | 07/25/19 | TLW                 | 7.625" 29.70# - 33.70# BOX CONNECTOR                                       |
| G       | 09558  | B     | 07/06/18 | TLW                 | 7 5/8" 29.70# - 33.70# PIN SET. STD. - EDM FRAME STYLE                     |
| G       | 09559  | B     | 07/06/18 | TLW                 | 7 5/8" 29.70# - 33.70# BOX SET. STD. - EDM FRAME STYLE                     |
| A       | 09560  | B     | 06/28/19 | TLW                 | 7.625" 29.70# - 33.70# HANDLING PLUG                                       |
| T       | 09561  | C     | 07/16/19 | TLW                 | 7.625" 29.70# BOX EXPANSION MANDREL  |
| T       | 09562  | C     | 07/16/19 | TLW                 | 7.625" 33.70# BOX EXPANSION MANDREL  |
| M       | 09541  | D     | 07/23/19 | TLW                 | 8.625" 32.00# PIN CONNECTOR  |
| M       | 09542  | E     | 07/23/19 | TLW                 | 8.625" 32.00# BOX CONNECTOR  |
| G       | 09543  | B     | 07/06/18 | TLW                 | 8 5/8" 32# PIN SET. STD. - EDM FRAME STYLE                                 |
| G       | 09544  | B     | 07/06/18 | TLW                 | 8 5/8" 32# BOX SET. STD. - EDM FRAME STYLE                                 |
| A       | 09545  | C     | 06/24/19 | TLW                 | 8.625" 32.00# HANDLING PLUG  |
| T       | 09546  | D     | 07/16/19 | TLW                 | 8.625" 32.00# BOX EXPANSION MANDREL  |
| T       | 09730  | B     | 02/13/19 | TLW                 | 8.625" 32# 4.500" IF X 8.625" RETRIEVAL SWAGE TOOL                         |
| G       | 04581  | B     | 04/12/01 | TSHD                | 2 3/8" BOX SETTING STANDARD  |
| G       | 04583  |       | 01/08/98 | TSHD                | 2 3/8" BOX SETTING STANDARD BASE PLATE (6 PITCH)                           |
| G       | 04578  | A     | 03/26/01 | TSHD                | 2 3/8" PIN SETING STANDARD (6 PITCH)                                       |
| A       | 07240  |       | 10/16/08 | TSHD                | 2 3/8" API REG BOX B.F.F. x 2 3/8" 5.95# TS-HD BOX CROSSOVER SUB FOR BAKER |
| M       | 04267M | G     | 09/10/10 | TSHD                | 2 3/8" - 4 1/2" BOX CONNECTOR - METRIC                                     |
| M       | 04266  | H     | 06/05/06 | TSHD                | 2 3/8" - 4 1/2" PIN  |
| P       | 04782  | E     | 09/10/10 | TSHD                | 2 3/8" - 4 1/2" ACC. BLANK. DIM.   |
| M       | 04267  | G     | 09/10/10 | TSHD                | 2 3/8" - 4 1/2" BOX CONNECTOR  |
| G       | 06450  | B     | 06/05/06 | TSHD                | 2 3/8" - 4 1/2" BOX TIMING GAGE  |

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|---------|--------|-------|----------|---------------------|--|
| A       | 06620  | C     | 04/03/17 | TSHD                | 2 3/8" - 4 1/2" INTERNAL TOOL GUIDE                                    |
| M       | 04266M | H     | 06/05/06 | TSHD                | 2 3/8" - 4 1/2" PIN CONNECTOR - METRIC                                 |
| G       | 06451  | A     | 06/05/06 | TSHD                | 2 3/8" - 4 1/2" PIN TIMING GAGE  |
| M       | 04266L |       | 04/25/08 | TSHD                | 2 3/8" - 4 1/2" PIN - LEFT HAND  |
| M       | 04267L | A     | 09/10/10 | TSHD                | 2 3/8" - 4 1/2" BOX - LEFT HAND  |
| G       | 04588  | B     | 04/12/01 | TSHD                | 2 7/8" BOX SETTING STANDARD (6 PITCH)                                  |
| G       | 04589  |       | 01/08/98 | TSHD                | 2 7/8" BOX SETTING STANDARD BASE PLATE (6 PITCH)                       |
| G       | 04585  | A     | 01/8/98  | TSHD                | 2 7/8" PIN SETTING STANDARD (6 PITCH)                                  |
| G       | 04594  | B     | 04/12/01 | TSHD                | 3 1/2" BOX SETTING STANDARD (6 PITCH)                                  |
| G       | 04595  |       | 01/08/98 | TSHD                | 3 1/2" BOX SETTING STANDARD BASE PLATE (6 PITCH)                       |
| G       | 04591  | A     | 01/08/98 | TSHD                | 3 1/2" PIN SETTING STANDARD (6 PITCH)                                  |
| A       | 07359  | A     | 04/03/17 | TSHD                | 3 1/2" 12.95# HANDLING PLUG  |
| G       | 04641  | B     | 04/12/01 | TSHD                | 4" BOX SETTING STANDARD (6 PITCH)                                      |
| G       | 04642  |       | 03/02/98 | TSHD                | 4" BOX SETTING STANDARD BASE PLATE (6 PITCH)                           |
| G       | 04640  | A     | 03/26/01 | TSHD                | 4" PIN SETTING STANDARD (6 PITCH)                                      |
| G       | 04600  | B     | 04/12/01 | TSHD                | 4 1/2" BOX SETTING STANDARD (6 PITCH)                                  |
| G       | 04601  |       | 01/08/98 | TSHD                | 4 1/2" BOX SETTING STANDARD BASE PLATE (6 PITCH)                       |
| G       | 04597  | A     | 03/26/01 | TSHD                | 4 1/2" PIN SETTING STANDARD 6 PITCH                                    |
| M       | 05517  | C     | 09/10/10 | TSHD SB             | 2 3/8" - 4 1/2" BOX (SMOOTH BORE)                                      |
| M       | 05516  | G     | 08/18/08 | TSHD SB             | 2 3/8" - 4 1/2" PIN (SMOOTH BORE)                                      |
| M       | 05521  | B     | 04/17/03 | TSHD SB-SR          | 2 3/8" - 4 1/2" BOX (SMOOTH BORE) FOR PLASTIC COATED APPLICATIONS      |
| P       | 05527  |       | 08/01/00 | TSHD SB-SR          | 2 3/8" - 4 1/2" PRESSURE SEAL RING (SMOOTH BORE)                       |
| A       | 04841  |       | 07/25/18 | TSHD - SR           | 4 1/2" BOX BLASTING AND COATING MASKS                                  |
| G       | 04954  | B     | 02/27/04 | TSHD, TSHDSR        | 2 3/8" BOX FLAT SETTING STANDARD (6 PITCH)                             |
| G       | 04958  | B     | 02/27/03 | TSHD, TSHDSR        | 2 7/8" BOX FLAT SETTING STANDARD (6 PITCH)                             |
| G       | 04966  | B     | 02/27/04 | TSHD, TSHDSR        | 3 1/2" BOX FLAT SETTING STANDARD (6 PITCH)                             |
| G       | 04967  | B     | 02/27/04 | TSHD, TSHDSR        | 4" BOX FLAT SETTING STANDARD (6 PITCH)                                 |
| G       | 04977  | B     | 02/27/04 | TSHD, TSHDSR        | 4 1/2" BOX FLAT SETTING STANDARD (6 PITCH)                             |
| M       | 06600  | A     | 01/30/06 | TSHD, TSHP          | 3/4" TO 4 1/2" PIN AND BOX SPECIAL CLEARANCE DIMENSIONS                |
| M       | 06600M | A     | 07/19/07 | TSHD, TSHP          | 3/4" TO 4 1/2" PIN AND BOX SPECIAL CLEARANCE DIMENSIONS - METRIC       |
| M       | 04836  | F     | 04/17/03 | TSHDSR              | 2 3/8" - 4 1/2" BOX CONNECTOR FOR PLASTIC COATED APPLICATIONS          |
| M       | 04836M | F     | 04/17/03 | TSHDSR              | 2 3/8" - 4 1/2" BOX CONNECTOR FOR PLASTIC COATED APPLICATIONS - METRIC |
| P       | 04837  | B     | 01/15/13 | TSHDSR, TSHPSR      | PLASTIC COATING SPEC. FOR TSHP-SR & TSHD-SR TUBING                     |
| G       | 05095  | A     | 04/03/01 | TSHP                | 3/4" (1.050" O.D.) (8 PITCH) BOX FLAT SETTING STANDARD                 |
| G       | 04626  | A     | 04/12/01 | TSHP                | 3/4" (1.050" O.D.) (8 PITCH) BOX SETTING STANDARD                      |
| G       | 04627  |       | 03/02/98 | TSHP                | 3/4" (1.050" OD) BOX SETTING STANDARD BASE PLATE                       |
| G       | 04625  | B     | 03/26/01 | TSHP                | 3/4" (1.050" OD) PIN SETTING STANDARD (8 PITCH)                        |
| M       | 04268  | C     | 09/16/04 | TSHP                | 3/4 - 2 1/16" PIN  |
| P       | 04783  | C     | 09/10/10 | TSHP                | 3/4" - 2 1/16" ACC. BLANK. DIM.  |

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|---------|--------|-------|----------|---------------------|--|
| A       | 06619  | C     | 04/03/17 | TSHP                | 3/4" - 2 1/16" INTERNAL TOOL GUIDE                           |
| M       | 04269  | D     | 09/10/10 | TSHP                | 3/4" - 2-1/16" BOX CONNECTOR                                 |
| M       | 04269M | D     | 09/10/10 | TSHP                | 3/4" - 2-1/16" BOX CONNETOR - METRIC                         |
| M       | 04268M | C     | 09/16/04 | TSHP                | 3/4" - 2-1/16" PIN CONNECTOR - METRIC                        |
| G       | 04653  | A     | 04/12/01 | TSHP                | 1" (1.315" OD) BOX SETTING STANDARD (8 PITCH)                |
| G       | 04654  |       | 03/02/98 | TSHP                | 1" (1.315" OD) BOX SETTING STANDARD BASE PLATE (8 PITCH)     |
| G       | 04652  | B     | 03/26/01 | TSHP                | 1" (1.315" OD) PIN SETTING STANDARD (8 PITCH)                |
| G       | 05094  | A     | 04/03/01 | TSHP                | 1" (1.315") (8 PITCH) BOX FLAT SETTING STANDARD              |
| G       | 05093  | A     | 04/03/01 | TSHP                | 1 1/4" (1.660" O.D.) (8 PITCH) BOX FLAT SETTING STANDARD     |
| G       | 04629  | A     | 04/12/01 | TSHP                | 1 1/4" (1.660" OD) BOX SETTING STANDARD (8 PITCH)            |
| G       | 04630  |       | 03/02/98 | TSHP                | 1 1/4" (1.660" OD) BOX SETTING STANDARD BASE PLATE (8 PITCH) |
| G       | 04628  | B     | 03/26/01 | TSHP                | 1 1/4" (1.660" OD) PIN SETTING STANDARD (8 PITCH)            |
| G       | 05092  | A     | 04/03/01 | TSHP                | 1 1/2" (1.900" O.D.) (8 PITCH) BOX FLAT SETTING STANDARD     |
| G       | 04633  |       | 03/02/98 | TSHP                | 1 1/2" (1.900" OD) BOX SETTING STANDARD BASE PLATE (8 PITCH) |
| G       | 04632  | A     | 04/12/01 | TSHP                | 1 1/2" (1.900" OD) BOX SETTING STANDARD (8 PITCH)            |
| G       | 04631  | B     | 03/26/01 | TSHP                | 1 1/2" (1.900" OD) PIN SETTING STANDARD (8 PITCH)            |
| G       | 05091  | A     | 04/03/01 | TSHP                | 2 1/16" (8 PITCH) BOX FLAT SETTING STANDARD                  |
| G       | 04635  | A     | 04/12/01 | TSHP                | 2 1/16" BOX SETTING STANDARD (8 PITCH)                       |
| G       | 04636  |       | 03/02/98 | TSHP                | 2 1/16" BOX SETTING STANDARD BASE PLATE (8 PITCH)            |
| G       | 04634  | B     | 03/26/01 | TSHP                | 2 1/16" PIN SETTING STANDARD (8 PITCH)                       |
| G       | 04582  | A     | 04/12/01 | TSHP                | 2 3/8" BOX SETTING STANDARD 8 PITCH                          |
| G       | 04580  |       | 01/08/98 | TSHP                | 2 3/8" BOX SETTING STANDARD BASE PLATE 8 PITCH               |
| G       | 04576  | B     | 03/26/01 | TSHP                | 2 3/8" PIN SETTING STANDARD 8 PITCH                          |
| P       | 04784  | D     | 09/10/10 | TSHP                | 2 3/8" - 4 1/2" ACC. BLANK. DIM.                             |
| M       | 04264  | E     | 09/10/10 | TSHP                | 2 3/8" - 4 1/2" BOX  |
| M       | 04264M | E     | 09/10/10 | TSHP                | 2 3/8" - 4 1/2" BOX CONNECTOR - METRIC                       |
| A       | 06614  | D     | 04/03/17 | TSHP                | 2 3/8" - 4 1/2" INTERNAL TOOL GUIDE                          |
| M       | 04265  | G     | 05/23/13 | TSHP                | 2 3/8" - 4 1/2" PIN  |
| M       | 04265M | F     | 01/30/06 | TSHP                | 2 3/8" - 4 1/2" PIN CONNECTOR - METRIC                       |
| G       | 04586  | A     | 04/12/01 | TSHP                | 2 7/8" BOX SETTING STANDARD 8 PITCH                          |
| G       | 04587  |       | 01/08/98 | TSHP                | 2 7/8" BOX SETTING STANDARD BASE PLATE 8 PITCH               |
| G       | 04584  | B     | 03/26/01 | TSHP                | 2 7/8" PIN SETTING STANDARD 8 PITCH                          |
| A       | 07358  | A     | 04/03/17 | TSHP                | 2 7/8" 6.50# HANDLING PLUG                                   |
| G       | 04593  |       | 01/08/98 | TSHP                | 3 1/2" BOX SETTING STANDARD BASE PLATE 8 PITCH               |
| G       | 04592  | A     | 04/12/01 | TSHP                | 3 1/2" BOX SETTING STANDARD (8 PITCH)                        |
| G       | 04590  | B     | 03/26/01 | TSHP                | 3 1/2" PIN SETTING STANDARD (8 PITCH)                        |
| A       | 07845  |       | 09/29/11 | TSHP                | 3 1/2" SPECIAL HANDLING PLUG                                 |
| A       | 07343  | A     | 04/03/17 | TSHP                | 3 1/2" 9.30# HANDLING PLUG                                   |
| G       | 04638  | A     | 04/12/01 | TSHP                | 4" BOX SETTING STANDARD (8 PITCH)                            |

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|---------|--------|-------|----------|---------------------|---|
| G       | 04639  |       | 01/8/98  | TSHP                | 4" BOX SETTING STANDARD BASE PLATE (8 PITCH)                      |
| G       | 04637  | B     | 03/26/01 | TSHP                | 4" PIN SETTING STANDARD (8 PITCH)                                 |
| I       | 07107  |       | 12/05/07 | TSHP                | 4" PIN & BOX GAGE SETTING DIMENSIONS                              |
| G       | 04598  | A     | 04/12/01 | TSHP                | 4 1/2" BOX SETTING STANDARD 8 PITCH                               |
| G       | 04599  |       | 01/08/98 | TSHP                | 4 1/2" BOX SETTING STANDARD BASE PLATE (8 PITCH)                  |
| G       | 04596  | B     | 03/26/01 | TSHP                | 4 1/2" PIN SETTING STANDARD 8 PITCH                               |
| M       | 05515  | D     | 09/10/10 | TSHP SB             | 2 3/8" - 4 1/2" BOX (SMOOTH BORE)                                 |
| M       | 05514  | F     | 01/30/06 | TSHP SB             | 2 3/8" - 4 1/2" PIN (SMOOTH BORE)                                 |
| M       | 05520  | A     | 03/19/01 | TSHP SB-SR          | 2 3/8" - 4 1/2" BOX (SMOOTH BORE) FOR PLASTIC COATED APPLICATIONS |
| P       | 05526  |       | 08/01/00 | TSHP SB-SR          | 2 3/8" - 4 1/2" PRESSURE SEAL RING (SMOOTH BORE)                  |
| G       | 04926  | A     | 04/03/01 | TSHP, TSHPSR        | 2 3/8" BOX FLAT SETTING STANDARD (8 PITCH)                        |
| G       | 04927  | A     | 04/03/01 | TSHP, TSHPSR        | 2 7/8" BOX FLAT SETTING STANDARD (8 PITCH)                        |
| G       | 04931  | A     | 04/03/01 | TSHP, TSHPSR        | 3 1/2" BOX FLAT SETTING STANDARD (8 PITCH)                        |
| G       | 04932  | A     | 04/03/01 | TSHP, TSHPSR        | 4" BOX FLAT SETTING STANDARD (8 PITCH)                            |
| G       | 04940  | A     | 04/03/01 | TSHP, TSHPSR        | 4 1/2" BOX FLAT SETTING STANDARD (8 PITCH)                        |
| M       | 04835  | G     | 01/10/13 | TSHPSR              | 2 1/16" - 4 1/2" BOX CONNECTOR FOR PLASTIC COATED APPLICATIONS    |
| A       | 04839  | C     | 03/12/14 | TSHPSR              | 2 1/16" - 4 1/2" BOX BLASTING AND COATING MASKS                   |
| M       | 04835M | F     | 01/31/13 | TSHPSR              | 2 3/8" - 4 1/2" BOX CONNECTOR FOR PLASTIC COATED APPLICATIONS     |
| A       | 08106  | B     | 03/12/14 | TSHPSR              | 2 1/16" - 4 1/2" MANUAL BOX COATING MASK                          |
| M       | 01572  | A     | 07/29/08 | UPSET/ SWAGING      | 2 3/8" SL LI-6 Pin swaging / boring dimensions                    |
| M       | 01474  | A     | 4-19-89  | UPSET/ SWAGING      | 2 3/8" - 2 7/8" Pin dimensions for HD lock-it                     |
| P       | 01103  |       | 7-19-88  | UPSET/ SWAGING      | 2 3/8" - 3 1/2" Pins- TC NU-lock, TC NU-lock PR, & TC NU-lock PC  |
| M       | 01108  | A     | 5-18-89  | UPSET/ SWAGING      | 2 3/8" - 3 1/2" Pins- TC NU-lock, TC NU-lock PR, & TC NU-lock PC  |
| M       | 03213  |       | 7-22-94  | UPSET/ SWAGING      | 2 7/8" Flush seal-lock pin, all applicable weights                |
| T       | 01523  |       | 4-19-89  | UPSET/ SWAGING      | 2 7/8" HD lock-it swage die profile for axial swage press         |
| M       | 01483  |       | 3-27-89  | UPSET/ SWAGING      | 3 1/2" Flush seal-lock pin, all applicable weights                |
| M       | 00787  | A     | 8-29-88  | UPSET/ SWAGING      | 4" Flush seal-lock pin end  |
| M       | 00942  |       | 7-5-88   | UPSET/ SWAGING      | 4 1/2" Flush seal-lock pin, all applicable weights                |
| M       | 00710  | A     | 12/10/02 | UPSET/ SWAGING      | 5" flush seal-lock forming pin end, all weights                   |
| T       | 00777  |       | 2-18-88  | UPSET/ SWAGING      | 5" OD Flush seal-lock product line                                |
| P       | 00514  |       | 4-28-87  | UPSET/ SWAGING      | 5" - 9 5/8" I-J NU-lock casing forging dimensions O.D.            |
| M       | 00827  | B     | 5-26-98  | UPSET/ SWAGING      | 5 1/2" Flush seal-lock pin, all applicable weights                |
| T       | 00870  |       | 3-22-88  | UPSET/ SWAGING      | 5 1/2" OD Flush seal-lock product line                            |
| M       | 03252  |       | 8-18-94  | UPSET/ SWAGING      | 6 5/8" Flush seal-lock pin, all applicable weights                |
| M       | 01526  | B     | 09/14/10 | UPSET/ SWAGING      | 7" 23# Pin & bored dimensions for seal-lock & HC                  |
| M       | 01780  |       | 11-6-89  | UPSET/ SWAGING      | 7" Flush seal-lock pin, all applicable weights                    |
| T       | 01527  |       | 4-20-89  | UPSET/ SWAGING      | 7" Seal-lock & SLHC swage die profile for axial swage press       |
| M       | 02539  |       | 1-29-92  | UPSET/ SWAGING      | 7 3/4" Flush seal-lock pin, all applicable weights                |
| M       | 00998  |       | 4-28-89  | UPSET/ SWAGING      | 7 5/8" Flush seal-lock pin, all applicable weights                |



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|---------|-------|-------|----------|-------------------------|--|
| M       | 02115 | A     | 05/05/16 | UPSET/ SWAGING          | 8 1/8" (.438" WALL) 35.99# SEAL-LOCK FLUSH PIN SWAGING                             |
| M       | 04395 | A     | 05/09/16 | UPSET/ SWAGING          | 8 5/8" Flush seal-lock pin, all applicable weights                                 |
| M       | 04160 |       | 2-19-97  | UPSET/ SWAGING          | 9 5/8" 36 - 43.50# Seal-lock apex forming pin connector                            |
| M       | 04344 |       | 8-7-97   | UPSET/ SWAGING          | 9 5/8" 53.50# Forming boss pin connector   |
| M       | 02382 |       | 11-19-91 | UPSET/ SWAGING          | 9 5/8" Flush seal-lock forming pin connector- all weights                          |
| M       | 00978 | A     | 05/05/99 | UPSET/ SWAGING          | 10 3/4" Flush seal-lock Pin Swaging, all applicable weights                        |
| M       | 03953 |       | 7-24-96  | UPSET/ SWAGING          | 10 3/4" x .430 Flush seal-lock pin wall titanium                                   |
| M       | 01447 |       | 2-14-89  | UPSET/ SWAGING          | 11 3/4" Flush seal-lock pin, all applicable weights                                |
| T       | 01914 | A     | 3-5-90   | UPSET/ SWAGING          | 11 3/4" Flush seal-lock swage die profile for axial swage press                    |
| M       | 04465 |       | 10-6-97  | UPSET/ SWAGING          | 11 7/8" Flush seal-lock pin, all applicable weights                                |
| M       | 03242 | A     | 03/06/15 | UPSET/ SWAGING          | 13 3/8" SL FLUSH pin, all applicable weights                                       |
| M       | 04415 |       | 8-28-97  | UPSET/ SWAGING          | 13 5/8" Flush seal-lock pin, all applicable weights                                |
| P       | 00448 | F     | 08/25/09 | UPSET/ SWAGING          | Upset Specifications for TS-HP, TS-HD, SL-XP, AND I-J Nu-lock pin & box connectors |
| T       | 09186 | A     | 05/02/16 | UPSET/ SWAGING          | SWAGE DIE FOR SWAGE ASSEMBLY   |
| T       | 09187 | B     | 05/11/16 | UPSET/ SWAGING          | ARBOR FOR SWAGE ASSEMBLY   |
| T       | 09188 | A     | 05/11/16 | UPSET/ SWAGING          | ANGLE FOR SWAGE ASSEMBLY   |
| G       | 09164 | G     | 07/03/18 | WEDGE CONNECTION SERIES | LOCKUP INDICATOR GAGE SETTING STANDARD   |
| G       | 09372 | A     | 10/05/17 | WEDGE CONNECTION SERIES | LEAD STANDARD -0016  |
| T       | 09425 | A     | 11/05/18 | WEDGE CONNECTION SERIES | 9 7/8" 61.80# - 64.10# PIN SWAGING DIE   |
| T       | 09426 | A     | 11/05/18 | WEDGE CONNECTION SERIES | 9 7/8" 61.80# - 64.10# BOX EXPANSION MANDREL                                       |
| T       | 09469 | A     | 03/22/19 | WEDGE CONNECTION SERIES | 10.125" 75.90# - 79.29# & 10.175" 79.26# PIN SWAGING DIE                           |
| T       | 09470 | A     | 03/22/19 | WEDGE CONNECTION SERIES | 10.125" 75.90# - 79.29# & 10.175" 79.26# BOX EXPANSION MANDREL                     |
| T       | 09679 |       | 03/26/19 | WEDGE CONNECTION SERIES | 10.750" 84.80# PIN SWAGING DIE   |
| T       | 09680 |       | 03/28/19 | WEDGE CONNECTION SERIES | 10.750" 84.80# BOX EXPANSION MANDREL   |
| T       | 09794 |       | 05/14/19 | WEDGE CONNECTION SERIES | 11.875" 70.26# PIN SWAGING DIE   |
| T       | 09795 | A     | 05/30/19 | WEDGE CONNECTION SERIES | 11.875" 70.26# BOX EXPANSION MANDREL   |
| P       | 09459 |       | 11/16/17 | WEDGE CONNECTION SERIES | 13 7/8" - 14" PIN SWAGING DIE  |
| T       | 09460 |       | 11/16/17 | WEDGE CONNECTION SERIES | 13 7/8" - 14" BOX EXPANSION MANDREL  |
| T       | 09775 |       | 08/28/19 | WEDGE CONNECTION SERIES | 14.150" 126.82# PIN SWAGING DIE  |
| T       | 09776 |       | 08/28/19 | WEDGE CONNECTION SERIES | 14.150" 126.82# BOX EXPANSION MANDREL  |
| T       | 09610 |       | 06/24/19 | WEDGE CONNECTION SERIES | 16.000" 107.60# PIN SWAGING DIE  |
| T       | 09611 |       | 06/24/19 | WEDGE CONNECTION SERIES | 16.000" 107.60# BOX EXPANSION MANDREL  |
| T       | 09746 |       | 03/22/19 | WEDGE CONNECTION SERIES | 16.040" 109.61# & 16.080" 109.90# PIN SWAGING DIE                                  |
| T       | 09747 |       | 03/22/19 | WEDGE CONNECTION SERIES | 16.040" 109.61# & 16.080" 109.90# BOX EXPANSION MANDREL                            |
| T       | 09573 |       | 08/26/19 | WEDGE CONNECTION SERIES | 16.150" 119.23# PIN SWAGING DIE  |
| T       | 09574 |       | 08/26/19 | WEDGE CONNECTION SERIES | 16.150" 119.23# BOX EXPANSION MANDREL  |
| T       | 09571 |       | 05/22/18 | WEDGE CONNECTION SERIES | 16.150" 126.91# PIN SWAGING DIE  |
| T       | 09572 |       | 05/22/18 | WEDGE CONNECTION SERIES | 16.150" 126.91# BOX EXPANSION MANDREL  |
| T       | 09563 |       | 07/12/18 | WEDGE CONNECTION SERIES | 16 1/4" 136.04# PIN SWAGING DIE  |

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|---------|-------|-------|----------|-------------------------|--|
| T       | 09564 |       | 07/12/18 | WEDGE CONNECTION SERIES | 16 1/4" 136.04# BOX EXPANSION MANDREL                        |
| T       | 09565 |       | 07/12/18 | WEDGE CONNECTION SERIES | 16.200" 131.70# PIN SWAGING DIE                              |
| T       | 09566 |       | 07/12/18 | WEDGE CONNECTION SERIES | 16.200" 131.70# BOX EXPANSION MANDREL                        |
| P       | 09345 | B     | 12/05/17 | WEDGE CONNECTION SERIES | 17 7/8 & 18 PIN SWAGING DIE                                  |
| T       | 09346 | B     | 12/05/17 | WEDGE CONNECTION SERIES | 17 7/8 & 18 BOX EXPANSION MANDREL                            |
| M       | 09394 | B     | 01/18/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# PIN  |
| M       | 09395 | C     | 04/05/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# BOX  |
| G       | 09453 | A     | 01/18/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# PIN SET. STD. - EDM FRAME STYLE              |
| G       | 09454 | A     | 01/18/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# BOX SET. STD. - EDM FRAME STYLE              |
| M       | 09455 | A     | 01/18/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# PIN FORMING                                  |
| M       | 09456 | A     | 01/18/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# BOX FORMING                                  |
| M       | 09744 |       | 02/07/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# WITH SPECIAL CLEARANCE 18.125 OD BOX         |
| M       | 09745 |       | 02/07/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# WITH SPECIAL CLEARANCE 18.125 OD BOX FORMING |
| A       | 09761 |       | 04/08/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# HANDLING PLUG                                |
| T       | 09780 |       | 04/29/19 | WEDGE LOCK FLUSH        | 18.000" 116.09# 6 5/8" FH X 18.000" RETRIEVAL SWAGE TOOL     |
| F       | 09710 |       | 03/22/19 | WEDGE LOCK SF           | ALL PRODUCT LIST   |
| X       | 08280 | B     | 09/03/15 | WEDGE LOCK SF           | 5 1/2" (.361" WALL) 20# PIN                                  |
| X       | 08281 | B     | 09/03/15 | WEDGE LOCK SF           | 5 1/2" (.361" WALL) 20# BOX                                  |
| X       | 08217 |       | 11/05/13 | WEDGE LOCK SF           | 7" 38# PIN FORMING   |
| X       | 08218 |       | 11/05/13 | WEDGE LOCK SF           | 7" 38# BOX FORMING   |
| X       | 08211 | A     | 09/10/15 | WEDGE LOCK SF           | 7" (.540" WALL) 38# PIN                                      |
| X       | 08212 | A     | 09/10/15 | WEDGE LOCK SF           | 7" (.540" WALL) 38# BOX                                      |
| X       | 08213 | A     | 09/10/15 | WEDGE LOCK SF           | 7" (.540" WALL) 38# PIN SET. STD. - EDM FRAME STYLE          |
| X       | 08214 | A     | 09/10/15 | WEDGE LOCK SF           | 7" (.540" WALL) 38# BOX SET. STD. - EDM FRAME STYLE          |
| X       | 08215 |       | 09/14/15 | WEDGE LOCK SF           | 7" (.540" WALL) 38# ACCESSORY BLANKING DIMENSIONS            |
| X       | 08219 |       | 09/14/15 | WEDEG LOCK SF           | 7" (.540" WALL) 38# HANDLING PLUG                            |
| M       | 08568 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# PIN                               |
| M       | 08569 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# BOX                               |
| G       | 08570 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# PIN SET. STD. - EDM FRAME STYLE   |
| G       | 08571 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# BOX SET. STD. - EDM FRAME STYLE   |
| P       | 08572 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# ACCESSORY BLANKING DIMENSIONS     |
| M       | 08574 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# PIN FORMING                       |
| M       | 08575 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# BOX FORMING                       |
| A       | 08576 |       | 07/31/15 | WEDGE LOCK SF           | 7 5/8" (.375" WALL) 29.70# HANDLING PLUG                     |
| G       | 07983 | E     | 07/14/16 | WEDGE LOCK SF           | 7 5/8" (.500" WALL) 39# PIN SET. STD. - EDM FRAME STYLE      |
| G       | 07984 | E     | 07/14/16 | WEDGE LOCK SF           | 7 5/8" (.500" WALL) 39# BOX SET. STD. - EDM FRAME STYLE      |
| M       | 08002 | F     | 07/14/16 | WEDGE LOCK SF           | 7 5/8" (.500" WALL) 39# PIN                                  |
| M       | 08003 | F     | 07/14/16 | WEDGE LOCK SF           | 7 5/8" (.500" WALL) 39# BOX                                  |
| A       | 07989 | E     | 07/14/16 | WEDGE LOCK SF           | 7 5/8" (.500" WALL) 39# HANDLING PLUG                        |

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|---------|-------|-------|----------|---------------------|---|
| M       | 07988 | C     | 07/14/16 | WEDGE LOCK SF       | 7 5/8" (.500" WALL) 39# BOX FORMING   |
| M       | 07987 | C     | 07/14/16 | WEDGE LOCK SF       | 7 5/8" (.500" WALL) 39# PIN FORMING   |
| M       | 08159 | D     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# PIN  |
| M       | 08160 | D     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# BOX  |
| G       | 08161 | C     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# PIN SET. STD. - EDM FRAME STYLE                        |
| G       | 08162 | C     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# BOX SET. STD. - EDM FRAME STYLE                        |
| P       | 08163 | A     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# ACCESSORY BLANKING DIMENSIONS                          |
| M       | 08165 | B     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# PIN FORMING  |
| M       | 08166 | A     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# BOX FORMING  |
| A       | 08167 | D     | 07/14/16 | WEDGE LOCK SF       | 9 5/8" (.545" WALL) 53.50# HANDLING PLUG  |
| M       | 08171 | E     | 03/05/18 | WEDGE LOCK SF       | 9 7/8" 61.80# - 64.10# PIN  |
| M       | 08172 | E     | 03/05/18 | WEDGE LOCK SF       | 9 7/8" 61.80# - 64.10# BOX  |
| G       | 08173 | C     | 03/05/18 | WEDGE LOCK SF       | 9 7/8" 61.80# - 64.10# PIN SET. STD. - EDM FRAME STYLE                            |
| G       | 08174 | C     | 03/05/18 | WEDGE LOCK SF       | 9 7/8" 61.80# - 64.10# BOX SET. STD. - EDM FRAME STYLE                            |
| M       | 08177 | B     | 03/05/18 | WEDGE LOCK SF       | 9 7/8" 61.80# - 64.10# PIN FORMING  |
| M       | 08178 | B     | 03/05/18 | WEDGE LOCK SF       | 9 7/8" 61.80# - 64.10# BOX FORMING  |
| A       | 08179 | E     | 03/05/18 | WEDGE LOCK SF       | 9 7/8" 61.80# - 64.10# HANDLING PLUG  |
| T       | 09653 |       | 09/10/18 | WEDGE LOCK SF       | 9.875" 61.80# 6 5/8" FULL HOLE X 16.040" RETRIEVAL SWAGE TOOL                     |
| M       | 09365 | B     | 03/22/19 | WEDGE LOCK SF       | 10.125" 75.90# - 79.29# & 10.175" 79.26# PIN                                      |
| M       | 09366 | B     | 03/22/19 | WEDGE LOCK SF       | 10.125" 75.90# - 79.29# & 10.175" 79.26# BOX                                      |
| G       | 09006 | C     | 03/22/19 | WEDGE LOCK SF       | 10.125" 75.90# - 79.29# & 10.175" 79.26# PIN SET. STD. - EDM FRAME STYLE          |
| G       | 09007 | C     | 03/22/19 | WEDGE LOCK SF       | 10.125" 75.90# - 79.29# & 10.175" 79.26# BOX SET. STD. - EDM FRAME STYLE          |
| M       | 09008 | C     | 03/22/19 | WEDGE LOCK SF       | 10.125" 75.90# - 79.29# & 10.175" 79.26# PIN FORMING                              |
| M       | 09009 | C     | 03/22/19 | WEDGE LOCK SF       | 10.125" 75.90# - 79.29# & 10.175" 79.26# BOX FORMING                              |
| A       | 09010 | F     | 03/22/19 | WEDGE LOCK SF       | 10.125" 75.90# - 79.29# & 10.175" 79.26# HANDLING PLUG                            |
| M       | 08394 |       | 07/08/14 | WEDGE LOCK SF       | 10 3/4" 60.70# & 65.70# PIN FORMING   |
| M       | 08395 |       | 07/08/14 | WEDGE LOCK SF       | 10 3/4" 60.70# & 65.70# BOX FORMING   |
| M       | 08389 | A     | 08/21/14 | WEDGE LOCK SF       | 10 3/4" (.545" WALL) 60.70# & (.595" WALL) 65.70# BOX                             |
| M       | 08388 |       | 07/08/14 | WEDGE LOCK SF       | 10 3/4" (.545" WALL) 60.70# & (.595" WALL) 65.70# PIN                             |
| G       | 08390 |       | 07/08/14 | WEDGE LOCK SF       | 10 3/4" (.545" WALL) 60.70# & (.595" WALL) 65.70# PIN SET. STD. - EDM FRAME STYLE |
| G       | 08391 |       | 07/08/14 | WEDGE LOCK SF       | 10 3/4" (.545" WALL) 60.70# & (.595" WALL) 65.70# BOX SET. STD. - EDM FRAME STYLE |
| M       | 09672 | A     | 01/22/19 | WEDGE-LOCK SF       | 10.750" 84.80# PIN  |
| M       | 09673 | A     | 01/22/19 | WEDGE-LOCK SF       | 10.750" 84.80# BOX  |
| G       | 09674 |       | 03/26/19 | WEDGE-LOCK SF       | 10.750" 84.80# PIN SET. STD. - FRAME STYLE  |
| G       | 09675 |       | 03/26/19 | WEDGE-LOCK SF       | 10.750" 84.80# BOX SET. STD. - FRAME STYLE  |
| M       | 09676 | A     | 01/22/19 | WEDGE-LOCK SF       | 10.750" 84.80# PIN FORMING  |
| M       | 09677 | A     | 01/22/19 | WEDGE-LOCK SF       | 10.750" 84.80# BOX FORMING  |
| A       | 09678 |       | 03/26/19 | WEDGE-LOCK SF       | 10.750" 84.80# HANDLING PLUG  |
| M       | 08421 |       | 04/07/14 | WEDGE LOCK SF       | 11 3/4" 65# PIN FORMING   |

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|---------|-------|-------|----------|---------------------|---|
| M       | 08422 |       | 04/07/14 | WEDGE LOCK SF       | 11 3/4" 65# BOX FORMING                                       |
| M       | 08415 | A     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.534" WALL) 65# PIN                                  |
| M       | 08416 | B     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.534" WALL) 65# BOX                                  |
| G       | 08417 | A     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.534" WALL) 65# PIN SET. STD. - EDM FRAME STYLE      |
| G       | 08418 | A     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.534" WALL) 65# BOX SET. STD. - EDM FRAME STYLE      |
| P       | 08419 |       | 09/09/15 | WEDGE LOCK SF       | 11 3/4" (.534" WALL) 65# ACCESSORY BLANKING DIMENSIONS        |
| A       | 08423 | C     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.534" WALL) 65# HANDLING PLUG                        |
| M       | 08439 | A     | 08/20/14 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# PIN FORMING                       |
| M       | 08440 | A     | 08/20/14 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# BOX FORMING                       |
| M       | 08433 | B     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# PIN                               |
| M       | 08434 | B     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# BOX                               |
| G       | 08435 | B     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# PIN SET. STD. - EDM FRAME STYLE   |
| G       | 08436 | B     | 08/31/15 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# BOX SET. STD. - EDM FRAME STYLE   |
| P       | 08437 |       | 09/10/15 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# ACCESSORY BLANKING DIMENSIONS     |
| A       | 08441 |       | 09/10/15 | WEDGE LOCK SF       | 11 3/4" (.797" WALL) 93.23# HANDLING PLUG                     |
| M       | 09787 |       | 05/14/19 | WEDGE LOCK SF       | 11.875" 70.26# PIN  |
| M       | 09788 |       | 05/14/19 | WEDGE LOCK SF       | 11.875" 70.26# BOX  |
| G       | 09789 |       | 05/14/19 | WEDGE LOCK SF       | 11.875" 70.26# PIN SET. STD. -FRAME STYLE                     |
| G       | 09790 |       | 05/14/09 | WEDGE LOCK SF       | 11.875" 70.26# BOX SET. STD. -FRAME STYLE                     |
| M       | 09791 |       | 05/14/19 | WEDGE LOCK SF       | 11.875" 70.26# PIN FORMING                                    |
| M       | 09792 |       | 05/14/19 | WEDGE LOCK SF       | 11.875" 70.26# BOX FORMING                                    |
| A       | 09793 |       | 05/14/19 | WEDGE LOCK SF       | 11.875" 70.26# HANDLING PLUG                                  |
| M       | 08475 |       | 04/07/14 | WEDGE LOCK SF       | 13 5/8" 88.20# PIN FORMING                                    |
| M       | 08476 |       | 04/07/14 | WEDGE LOCK SF       | 13 5/8" 88.20# BOX FORMING                                    |
| M       | 08469 |       | 04/07/14 | WEDGE LOCK SF       | 13 5/8" (.625" WALL) 88.20# PIN                               |
| M       | 08470 | A     | 04/07/14 | WEDGE LOCK SF       | 13 5/8" (.625" WALL) 88.20# BOX                               |
| G       | 08471 |       | 04/07/14 | WEDGE LOCK SF       | 13 5/8" (.625" WALL) 88.20# PIN SET. STD. - EDM FRAME STYLE   |
| G       | 08472 | A     | 08/19/14 | WEDGE LOCK SF       | 13 5/8" (.625" WALL) 88.20# BOX SET. STD. - EDM FRAME STYLE   |
| M       | 09279 | H     | 10/05/18 | WEDGE LOCK SF       | 13 7/8" 105.89# - 14" 115.53# PIN                             |
| M       | 09280 | G     | 10/05/18 | WEDGE LOCK SF       | 13 7/8" 105.89# - 14" 115.53# BOX                             |
| G       | 09281 | D     | 03/29/19 | WEDGE LOCK SF       | 13.875" 105.89# - 14.000" 115.53# PIN SET. STD. - FRAME STYLE |
| G       | 09282 | D     | 10/05/18 | WEDGE LOCK SF       | 13 7/8" 105.89# - 14" 115.53# BOX SET. STD. - EMD FRAME STYLE |
| M       | 09283 | C     | 10/05/18 | WEDGE LOCK SF       | 13 7/8" 105.89# - 14" 115.53# PIN FORMING                     |
| M       | 09284 | C     | 10/05/18 | WEDGE LOCK SF       | 13 7/8" 105.89# - 14" 115.53# BOX FORMING                     |
| A       | 09285 | A     | 10/05/18 | WEDGE LOCK SF       | 13 7/8" 105.89# - 14" 115.53# HANDLING PLUG                   |
| T       | 09728 |       | 01/07/18 | WEDGE LOCK SF       | 14.000" 115.53# / 6 5/8" FH X 14.000" RETRIEVAL SWAGE TOOL    |
| T       | 09729 |       | 01/07/18 | WEDEG LOCK SF       | 14.150" 126.82# / 6 5/8" FH X 14.150" RETRIEVAL SWAGE TOOL    |
| M       | 08514 | B     | 08/29/19 | WEDGE LOCK SF       | 14.150" 126.82# PIN   |
| M       | 08515 | B     | 08/29/19 | WEDGE LOCK SF       | 14.150" 126.82# BOX   |

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|---------|-------|-------|----------|---------------------|---|
| G       | 08516 | B     | 01/09/00 | WEDGE LOCK SF       | 14.150" 126.82# PIN SET. STD. - EDM FRAME STYLE                   |
| G       | 08517 | B     | 08/29/19 | WEDGE LOCK SF       | 14.150" 126.82# BOX SET. STD. - EDM FRAME STYLE                   |
| M       | 08520 | B     | 08/29/19 | WEDGE LOCK SF       | 14.150" 126.82# PIN FORMING                                       |
| M       | 08521 | B     | 08/29/19 | WEDGE LOCK SF       | 14.150" 126.82# BOX FORMING                                       |
| A       | 08522 | B     | 08/29/19 | WEDGE LOCK SF       | 14.150" ) 126.82# HANDLING PLUG                                   |
| M       | 08529 |       | 04/07/14 | WEDGE LOCK SF       | 16" 97# PIN FORMING   |
| M       | 08530 |       | 04/07/14 | WEDGE LOCK SF       | 16" 97# BOX FORMING   |
| M       | 08523 | A     | 08/28/15 | WEDGE LOCK SF       | 16" (.575" WALL) 97# PIN  |
| M       | 08524 | B     | 08/28/15 | WEDGE LOCK SF       | 16" (.575" WALL) 97# BOX  |
| G       | 08525 | A     | 08/28/15 | WEDGE LOCK SF       | 16" (.575" WALL) 97# PIN SET. STD. - EDM FRAME STYLE              |
| G       | 08526 | A     | 08/28/15 | WEDGE LOCK SF       | 16" (.575" WALL) 97# BOX SET. STD. - EDM FRAME STYLE              |
| P       | 08527 | A     | 04/30/15 | WEDGE LOCK SF       | 16" (.575" WALL) 97# ACCESSORY BLANKING DIMENSION                 |
| A       | 08531 |       | 09/10/15 | WEDGE LOCK SF       | 16" (.575" WALL) 97# HANDLING PLUG                                |
| M       | 08041 | G     | 06/28/19 | WEDGE LOCK SF       | 16.000" 107.60 PIN CONNECTOR                                      |
| M       | 08042 | H     | 06/28/19 | WEDGE LOCK SF       | 16.000" 107.60 BOX CONNECTOR                                      |
| G       | 08043 | F     | 06/28/19 | WEDGE LOCK SF       | 16.000" 107.60 PIN SET. STD. - EDM FRAME STYLE                    |
| G       | 08044 | F     | 06/28/19 | WEDGE LOCK SF       | 16.000" 107.60 BOX SET. STD. - EDM FRAME STYLE                    |
| A       | 08049 | E     | 06/28/19 | WEDGE LOCK SF       | 16.000" 107.60 HANDLING PLUG                                      |
| M       | 08047 | E     | 06/28/19 | WEDGE LOCK SF       | 16.000" 107.60 PIN FORMING  |
| M       | 08048 | D     | 06/28/19 | WEDGE LOCK SF       | 16.000" 107.60 BOX FORMING  |
| M       | 09033 | D     | 03/22/19 | WEDGE LOCK SF       | 16.040" 109.61# & 16.080" 109.90# PIN                             |
| M       | 09034 | D     | 03/22/19 | WEDGE LOCK SF       | 16.040" 109.61# & 16.080" 109.90# BOX                             |
| G       | 09035 | D     | 03/22/19 | WEDGE LOCK SF       | 16.040" 109.61# & 16.080" 109.90# PIN SET. STD. - EDM FRAME STYLE |
| G       | 09036 | D     | 03/22/19 | WEDGE LOCK SF       | 16.040" 109.61# & 16.080" 109.90# BOX SET. STD - EDM FRAME STYLE  |
| M       | 09037 | D     | 03/22/19 | WEDGE LOCK SF       | 16.040" 109.61# & 16.080" 109.90# PIN FORMING                     |
| M       | 09038 | C     | 03/22/19 | WEDGE LOCK SF       | 16.040" 109.61# & 16.080" 109.90# BOX FORMING                     |
| A       | 09039 | D     | 03/22/19 | WEDGE LOCK SF       | 16.040" 109.61# & 16.080" 109.90# HANDLING PLUG                   |
| T       | 09275 |       | 08/02/16 | WEDGE LOCK SF       | 16.040" 109.61# 6 5/8" FULL HOLE X 16.040" RETRIEVAL SWAGE TOOL   |
| M       | 08548 |       | 04/07/14 | WEDGE LOCK SF       | 16.100" 103.39# BOX FORMING                                       |
| M       | 08547 |       | 04/07/14 | WEDGE LOCK SF       | 16.100" 103.39# PIN FORMING                                       |
| M       | 08541 | A     | 08/27/15 | WEDGE LOCK SF       | 16.100" (.625" WALL) 103.39# PIN                                  |
| M       | 08542 | B     | 08/27/15 | WEDGE LOCK SF       | 16.100" (.625" WALL) 103.39# BOX                                  |
| G       | 08543 | A     | 08/27/15 | WEDGE LOCK SF       | 16.100" (.625" WALL) 103.39# PIN SET. STD. - EDM FRAME STYLE      |
| G       | 08544 | A     | 08/27/15 | WEDGE LOCK SF       | 16.100" (.625" WALL) 103.39# BOX SET. STD. - EDM FRAME STYLE      |
| P       | 08545 |       | 08/27/15 | WEDGE LOCK SF       | 16.100" (.625" WALL) 103.39# ACCESSORY BLANKING DIMENSIONS        |
| A       | 08549 |       | 08/27/15 | WEDGE LOCK SF       | 16.100" (.625" WALL) 103.39# HANDLING PLUG                        |
| M       | 08556 | C     | 08/29/19 | WEDGE LOCK SF       | 16.150" 119.23# PIN FORMING                                       |
| M       | 08557 | B     | 08/29/19 | WEDGE LOCK SF       | 16.150" 119.23# BOX FORMING                                       |
| M       | 08550 | C     | 08/29/19 | WEDGE LOCK SF       | 16.150" 119.23# PIN   |

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|---------|-------|-------|----------|-------------------------|---|
| M       | 08551 | C     | 08/29/19 | WEDGE LOCK SF           | 16.150" 119.23# BOX   |
| G       | 08552 | C     | 08/09/19 | WEDGE LOCK SF           | 16.150" 119.23# PIN SETTING STD. -FRAME STYLE   |
| G       | 08553 | C     | 08/29/19 | WEDGE LOCK SF           | 16.150" 119.23# BOX SETTING STD. -FRAME STYLE   |
| A       | 08558 | C     | 08/29/19 | WEDGE LOCK SF           | 16.150" 119.23# HANDLING PLUG   |
| T       | 09254 | B     | 08/09/16 | WEDGE LOCK SF           | 16.150" 119.23# 6 5/8" FULL HOLE X 16.150" RETRIEVAL SWAGE TOOL                             |
| M       | 08565 | D     | 05/22/18 | WEDGE LOCK SF           | 16.150" 126.91# PIN FORMING   |
| M       | 08566 | C     | 05/22/18 | WEDGE LOCK SF           | 16.150" 126.91# BOX FORMING   |
| M       | 08559 | G     | 05/22/18 | WEDGE LOCK SF           | 16.150" 126.91# PIN   |
| M       | 08560 | E     | 10/01/18 | WEDGE LOCK SF           | 16.150" 126.91# BOX   |
| G       | 08561 | B     | 05/22/18 | WEDGE LOCK SF           | 16.150" 126.91# PIN SET. STD. - EDM FRAME STYLE   |
| G       | 08562 | B     | 05/22/18 | WEDGE LOCK SF           | 16.150" 126.91# BOX SET. STD. - EDM FRAME STYLE   |
| A       | 08567 | E     | 05/22/18 | WEDGE LOCK SF           | 16.150" 126.91# HANDLING PLUG   |
| T       | 09255 | B     | 08/09/16 | WEDGE LOCK SF           | 16.150" 126.91# 6 5/8" FULL HOLE X 16.150" RETRIEVAL SWAGE TOOL                             |
| M       | 09081 | D     | 05/08/18 | WEDGE LOCK SF           | 16.200" 131.70# PIN   |
| M       | 09082 | F     | 10/01/18 | WEDGE LOCK SF           | 16.200" 131.70# BOX   |
| M       | 09083 | C     | 05/08/18 | WEDGE LOCK SF           | 16.200" 131.70# PIN FORMING   |
| M       | 09084 | B     | 05/08/18 | WEDGE LOCK SF           | 16.200" 131.70# BOX FORMING   |
| A       | 09058 | E     | 05/25/18 | WEDGE LOCK SF           | 16.200" 131.70# & 16 1/4" 136.04# HANDLING PLUG   |
| G       | 09054 | C     | 05/25/18 | WEDGE LOCK SF           | 16.200" 131.70# & 16 1/4" 136.04 PIN SET. STD. - EDM FRAME STYLE                            |
| G       | 09055 | C     | 05/25/18 | WEDGE LOCK SF           | 16.200" 131.70# & 16 1/4" 136.04 BOX SET. STD. - EDM FRAME STYLE                            |
| T       | 09253 | B     | 08/09/16 | WEDGE LOCK SF           | 16.250" 136.04# & 16.200" 131.70# 6 5/8" FULL HOLE X 16.250" / 16.200" RETRIEVAL SWAGE TOOL |
| M       | 09050 | G     | 10/01/18 | WEDGE LOCK SF           | 16.250" 136.04 BOX  |
| M       | 09052 | E     | 05/25/18 | WEDGE LOCK SF           | 16 1/4" 136.04 PIN  |
| M       | 09056 | C     | 05/25/18 | WEDGE LOCK SF           | 16 1/4" 136.04 PIN FORMING  |
| M       | 09057 | B     | 05/25/18 | WEDGE LOCK SF           | 16 1/4" 136.04 BOX FORMING  |
| X       | 09170 | A     | 08/17/15 | WEDGE LOCK SF           | 16 1/4" (.825" WALL) 136.04# OUTBOARD TEST PIN  |
| E       | 09383 | A     | 06/01/17 | WEDGE ELASTOMERIC       | 9 7/8" - 10 1/8" WEDGE PIN ELASTOMERIC END CAP  |
| E       | 09384 | A     | 06/01/17 | WEDGE ELASTOMERIC       | 9 7/8" - 10 1/8" WEDGE BOX ELASTOMERIC END CAP  |
| E       | 09355 | C     | 06/12/17 | WEDGE ELASTOMERIC       | 13 7/8" - 14.150" WEDGE PIN ELASTOMERIC END CAP   |
| E       | 09356 | C     | 06/12/17 | WEDGE ELASTOMERIC       | 13 7/8" - 14.150" WEDGE BOX ELASTOMERIC END CAP   |
| E       | 09363 | B     | 06/12/17 | WEDGE ELASTOMERIC       | 17 7/8" - 18" WEDGE PIN ELASTOMERIC END CAP   |
| E       | 09364 | B     | 06/12/17 | WEDGE ELASTOMERIC       | 17 7/8" - 18" WEDGE BOX ELASTOMERIC END CAP   |
| P       | 09385 |       | 04/27/17 | WEDGE ELASTOMERIC       | ELASTOMERIC O-RING SEAL FOR END CAP   |
| G       | 07297 |       | 03/26/09 | WIDTH GAGE              | EXTERNAL THREAD WIDTH GAGE: .0420 LOAD FLANK x .0560 STAB FLANK                             |
| G       | 07298 |       | 03/26/09 | WIDTH GAGE              | INTERNAL THREAD WIDTH GAGE: .0420 LOAD FLANK x .0560 STAB FLANK                             |
| P       | 09661 |       | 09/14/18 | AMERIPORT TEST FACILITY | 4.500" 13.50# - 17# END CAP   |
| P       | 09748 |       | 03/12/19 | AMERIPORT TEST FACILITY | 5.500" - 7.000" END CAP   |
| P       | 09505 | A     | 02/27/18 | AMERIPORT TEST FACILITY | 6 5/8" END CAP  |
| P       | 09169 |       | 09/14/15 | AMERIPORT TEST FACILITY | 13 3/8" - 14.150" END CAP   |

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|---------|-------|-------|----------|-------------------------|--|
| P       | 09177 |       | 09/29/15 | AMERIPORT TEST FACILITY | 14.150" 126.82# END CAP                |
| P       | 09185 |       | 12/08/15 | AMERIPORT TEST FACILITY | 9.625" 53.50# END CAP                  |
| P       | 09359 | B     | 11/30/18 | AMERIPORT TEST FACILITY | 9 7/8" - 10 1/8" END CAP               |
| P       | 09260 | A     | 05/29/18 | AMERIPORT TEST FACILITY | 10.750" 85.30# END CAP                 |
| P       | 09357 | A     | 05/05/17 | AMERIPORT TEST FACILITY | 13 7/8 - 14.150" END CAP               |
| P       | 09278 |       | 08/10/16 | AMERIPORT TEST FACILITY | 16.150" 126.91# WEDGE-LOCK SF, END CAP |
| P       | 09263 |       | 06/01/16 | AMERIPORT TEST FACILITY | 16.250" 136.04# END CAP                |
| P       | 09360 | A     | 04/17/19 | AMERIPORT TEST FACILITY | 17.875" - 18.000" END CAP              |
| P       | 09797 |       | 07/03/19 | AMERIPORT TEST FACILITY | 7.625" END CAP                         |
|         |       |       |          |                         |  |
|         |       |       |          |                         |  |
|         |       |       |          |                         |  |