

# HANDLING TOOLS



# Drill Pipe Slips



## Varco Style SDS, SDML, SDXL Drill Pipe Slips

The SD style drill pipe slip has a unique full wrap around grip and insert design to prevent damage to the drill pipe. The slips dove tail slots are designed to hold the inserts securely in place. Slip inserts can be easily changed to accommodate different pipe sizes. **Three sizes available: short, medium and long.**

| SDS                                |        |        |        |         |        |        |
|------------------------------------|--------|--------|--------|---------|--------|--------|
| Body Size                          | 3-1/2" |        |        | 4-1/2"  |        |        |
| Pipe Size                          | 2-3/8" | 2-7/8" | 3-1/2" | 3-1/2"  | 4"     | 4-1/2" |
| Part Number                        | 3901-P | 3903-P | 3905-P | 3907-P  | 3909-P | 3911-P |
| Insert                             | 2160-P | 2161-P | 2162-P | 2163-P  | 2164-P | 2165-P |
| Insert Qty                         | 24     |        |        | 36      |        |        |
| Retaining Ring c/w Hex Nut & Bolt  |        |        |        | 3738-P  |        |        |
| Right & Left Handle (Flex)         |        |        |        | 3765F-P |        |        |
| Center Handle (Flex)               |        |        |        | 3766F-P |        |        |
| Handle Pin c/w Washer & Cotter Pin |        |        |        | 3769-P  |        |        |
| Hinge Pin c/w Cotter Pin           |        |        |        | 2190-P  |        |        |

| SDML                               |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Body Size                          | 3-1/2"  |         |         | 4-1/2"  |         |         | 5"      |         |         | 5-1/2"  |         |         |
| Pipe Size                          | 2-3/8"  | 2-7/8"  | 3-1/2"  | 3-1/2"  | 4"      | 4-1/2"  | 4"      | 4-1/2"  | 5"      | 4-1/2"  | 5"      | 5-1/2"  |
| Part Number                        | 15524-P | 15523-P | 15522-P | 15563-P | 15564-P | 15565-P | 15567-P | 15568-P | 15569-P | 15571-P | 15572-P | 15573-P |
| Insert                             | 2160-P  | 2161-P  | 2162-P  | 2163-P  | 2164-P  | 2165-P  | 2168-P  | 2166-P  | 2167-P  | 2168-P  | 2169-P  | 2170-P  |
| Insert Qty                         | 30      |         |         | 45      |         |         | 45      |         |         | 45      |         |         |
| Retaining Ring c/w Hex Nut & Bolt  | 3748-P  |         |         | 3739-P  |         |         | 3741-P  |         |         | 3740-P  |         |         |
| Right & Left Handle (Flex)         | 3765F-P |         |         |         |         |         |         |         |         |         |         |         |
| Center Handle (Flex)               | 3766F-P |         |         |         |         |         |         |         |         |         |         |         |
| Handle Pin c/w Washer & Cotter Pin | 3769-P  |         |         |         |         |         |         |         |         |         |         |         |
| Hinge Pin c/w Cotter Pin           | 2192-P  |         |         |         |         |         |         |         |         |         |         |         |
| Insert Retaining Screw c/w Washer  | 3745-P  |         |         |         |         |         |         |         |         |         |         |         |

| SDXL                               |         |         |         |         |         |         |         |         |         |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Body Size                          | 4-1/2"  |         |         | 5"      |         |         | 5-1/2"  |         |         |
| Pipe Size                          | 3-1/2"  | 4"      | 4-1/2"  | 4"      | 4-1/2"  | 5"      | 4-1/2"  | 5"      | 5-1/2"  |
| Part Number                        | 15515-P | 15514-P | 15513-P | 15518-P | 15517-P | 15516-P | 15521-P | 15520-P | 15519-P |
| Insert                             | 2163-P  | 2164-P  | 2165-P  | 2168-P  | 2166-P  | 2167-P  | 2168-P  | 2169-P  | 2170-P  |
| Insert Qty                         | 54      |         |         | 54      |         |         | 54      |         |         |
| Retaining Ring c/w Hex Nut & Bolt  | 3739-P  |         |         | 3741-P  |         |         | 3740-P  |         |         |
| Right & Left Handle (Flex)         | 3765F-P |         |         |         |         |         |         |         |         |
| Center Handle (Flex)               | 3766F-P |         |         |         |         |         |         |         |         |
| Handle Pin c/w Washer & Cotter Pin | 3769-P  |         |         |         |         |         |         |         |         |
| Hinge Pin c/w Cotter Pin           | 2192-P  |         |         |         |         |         |         |         |         |
| Insert Retaining Screw c/w Washer  | 3745-P  |         |         |         |         |         |         |         |         |

# Drill Collar Slips

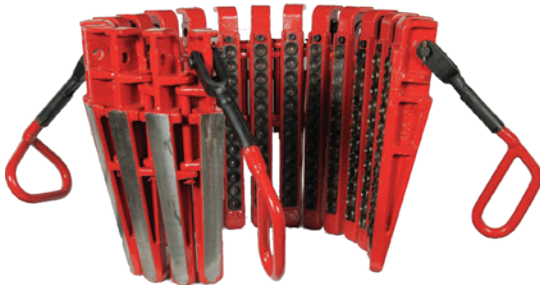


## Varco Style DCS Drill Collar Slips

DCS style slips use button style inserts to maximize grip on the drill collar. Slip sizes can be easily changed by adding or removing segments or by changing button sizes. They use a full wrap around design for positive, fast slip settings.

**Three sizes available: short, medium and long.**

| Drill Collar Slips                 |        |            |            |            |                |            |             |                 |              |          |
|------------------------------------|--------|------------|------------|------------|----------------|------------|-------------|-----------------|--------------|----------|
| OD Size                            | DCS-S  |            | DCS-R      |            | DCS-L          |            |             |                 |              |          |
|                                    | 3"- 4" | 4"- 4-7/8" | 4-1/2"- 6" | 5-1/2"- 7" | 6-3/4"- 8-1/4" | 8"- 9-1/2" | 8-1/2"- 10" | 9-1/4"- 11-1/4" | 11"- 12-3/4" | 12"- 14" |
| Slip                               | 2572-P | 2573-P     | 2552-P     | 2550-P     | 2503-P         | 2507-P     | 2530-P      | 2508-P          | 2534-P       | 2536-P   |
| Circular Buttons                   | 2628-P | 2620-P     | 2628-P     | 2620-P     | 2630-P         | 2630-P     | 2627-P      | 2630-P          | 2625-P       | 2630-P   |
| Qty Per Slip                       | 49     |            | 63         |            | 88             | 96         | 104         | 112             | 136          | 136      |
| Hinge Pin w/ Cotter Pin            | 2525-P |            |            |            | 2520-P         |            |             |                 |              |          |
| Handle Pin c/w Washer & Cotter Pin |        |            |            |            |                | 3769-P     |             |                 |              |          |
| Right & Left Handle (Flex)         |        |            |            |            |                | 3765F-P    |             |                 |              |          |
| Center Handle (Flex)               |        |            |            |            |                | 3766F-P    |             |                 |              |          |

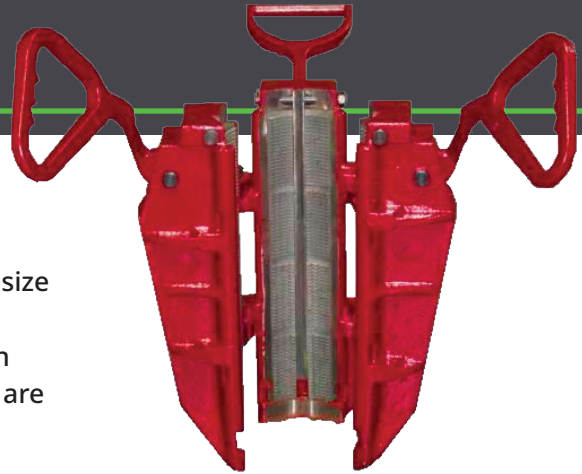


## Varco Style CMSXL Casing Slips

The CMSXL style are full wrap around grip style slips designed to meet heavy casing loads. They use button type inserts for maximum grip and range in sizes from 6-5/8"– 30" O.D. casing.

| Casing Slips CMSXL                 |         |        |        |        |        |         |         |         |        |         |        |        |        |        |
|------------------------------------|---------|--------|--------|--------|--------|---------|---------|---------|--------|---------|--------|--------|--------|--------|
| Casing Size                        | 6-5/8"  | 7"     | 7-5/8" | 8-5/8" | 9-5/8" | 10-3/4" | 11-3/4" | 13-3/8" | 16"    | 18-5/8" | 20"    | 24"    | 26"    | 30"    |
| Slip                               | 5315-P  | 5301-P | 5303-P | 5305-P | 5307-P | 5309-P  | 5311-P  | 5313-P  | 5325-P | 5333-P  | 5329-P | 5331-P | 5346-P | 5342-P |
| Circular Buttons                   | 2628-P  | 2619-P | 2630-P | 2630-P | 2630-P | 2630-P  | 2627-P  | 2630-P  | 2631-P | 2626-P  | 2631-P | 2631-P | 2631-P | 2631-P |
| Qty Per Slip                       | 144     | 144    | 144    | 156    | 168    | 180     | 204     | 216     | 252    | 300     | 312    | 360    | 396    | 444    |
| Right End Segment                  | 5320-P  |        |        |        |        |         |         |         |        |         |        |        |        |        |
| Left End Segment                   | 5321-P  |        |        |        |        |         |         |         |        |         |        |        |        |        |
| Intermediate Segment               | 5322-P  |        |        |        |        |         |         |         |        |         |        |        |        |        |
| Hinge Pin w/ Cotter Pin            | 2525-P  |        |        |        |        |         |         |         |        |         |        |        |        |        |
| Handle Pin c/w Washer & Cotter Pin | 3769-P  |        |        |        |        |         |         |         |        |         |        |        |        |        |
| Right & Left Handle (Flex)         | 3765F-P |        |        |        |        |         |         |         |        |         |        |        |        |        |
| Center Handle (Flex)               | 3766F-P |        |        |        |        |         |         |         |        |         |        |        |        |        |

# Woolley Style Slips



## Woolley B Type Style Pipe Slips

We carry two sizes of Type B slips: short and long, to handle all size pipe. Woolley B style clamps have a unique torque transfer slot preventing excess wear and pressure. Inserts are designed with fat backs so the load is transferred to the slip body. Slip inserts are easily replaced with removal of one retaining pin.

### Woolley Type B Slips

| Body Size | Type B Short 4-1/2" |                  |                |
|-----------|---------------------|------------------|----------------|
| Pipe Size | 3-1/2"              | 4"               | 4-1/2"         |
| Slip      | 738-144-0100-B-P    | 738-144-0100-A-P | 738-144-0100-P |
| Insert    | 757-044-0134-P      | 757-044-0140-P   | 757-044-0144-P |

| Body Size | Type B Long 4-1/2" |                  |                |
|-----------|--------------------|------------------|----------------|
| Pipe Size | 3-1/2"             | 4"               | 4-1/2"         |
| Slip      | 738-244-0100-B-P   | 738-244-0100-A-P | 738-244-0100-P |
| Insert    | 757-044-0134-P     | 757-044-0140-P   | 757-044-0144-P |

| Body Size            | Type B Short & Type B Long |
|----------------------|----------------------------|
| Left Handle (Flex)   | 737-000-0100F-P            |
| Right Handle (Flex)  | 737-000-0300F-P            |
| Center Handle (Flex) | 737-000-0200F-P            |
| Handle Pin           | 737-000-0400-P             |
| Hinge Pin            | 737-000-0500-P             |
| Insert Retainer Pin  | 737-000-0600-P             |
| Cotter Pin           | 117-005-0400-P             |

## Woolley A Type Style Drill Collar Slips

The Woolley A style slip with trussed style segments provides maximum support. They use three piece inserts which levels easily for complete gripping action.

### Woolley Type A Drill Collar Slips

| Part Number     | Description                      |
|-----------------|----------------------------------|
| 709-420-0100-P  | Slip 4-1/4" - 5-3/4"             |
| 709-540-0100-P  | Slip 5-1/2" - 7"                 |
| 709-660-0100-P  | Slip 6-3/4" - 8-1/4"             |
| 707-000-0200F-P | Handle (flex)                    |
| 707-000-0100-P  | Hinge Pin                        |
| 707-000-0300-P  | Handle Retainer                  |
| 117-005-0400-P  | Cotter Pin f/ Handle & Hinge Pin |
| 707-000-0600-P  | Insert Retainer                  |
| 117-005-0200-P  | Cotter Pin f/ Insert Retainer    |



# Safety Clamps

## Type T and C Style Safety Clamps

The Type T and C style safety clamps are designed to hold flush joint tubular or other slick tools safely and prevent the dropping of strings into the well. The T and C sizes range from 1-1/8" - 15-5/8" with the ease of adding or removing of links.

| Safety Clamps |                   |
|---------------|-------------------|
| Type T        |                   |
| Part Number   | Range             |
| 7624-5044-P   | 1-1/8" - 2"       |
| 7624-5045-P   | 2-1/8" - 3-1/4"   |
| 7624-5046-P   | 3-1/4" - 4-1/2"   |
| Type C        |                   |
| Part Number   | Range             |
| 7624-5007-P   | 3-3/4" - 4-5/8"   |
| 7624-5008-P   | 4-1/2" - 5-5/8"   |
| 7624-5009-P   | 5-1/2" - 6-5/8"   |
| 7624-5010-P   | 6-1/2" - 7-5/8"   |
| 7624-5011-P   | 7-1/2" - 8-5/8"   |
| 7624-5012-P   | 8-1/2" - 9-5/8"   |
| 7624-5013-P   | 9-1/2" - 10-5/8"  |
| 7624-5014-P   | 10-1/2" - 11-5/8" |
| 7624-5015-P   | 11-1/2" - 12-5/8" |
| 7624-5016-P   | 12-1/2" - 13-5/8" |
| 7624-5017-P   | 13-1/2" - 14-5/8" |
| 7624-5018-P   | 14-1/2" - 15-5/8" |



| Type C & T Safety Clamp Parts |               |              |
|-------------------------------|---------------|--------------|
| Description                   | Type C Parts  | Type T Parts |
| Link Assembly Complete        | 7624-A-7-P    | 7624-B-7-P   |
| Intermediate Link             | 7624-A-1-P    | 7624-A-18-P  |
| Slip w/ Cotter Pin            | 7624-A-4-P    | 7624-A-21-P  |
| Slip Spring                   | 7624-E-5-P    | 7624-B-21-P  |
| Link Pin w/ Cotter Pin        | 7624-C-5-P    |              |
| End Link (Screw Side)         | 7624-A-3-P    | 7624-A-20-P  |
| End Link (Pivot Block Side)   | 7624-A-24-P   | 7624-A-19-P  |
| End Link Pin w/ Chain         | 7624-F-5-P    |              |
| Screw                         | 7624-A-5-P    |              |
| Nut                           | 7624-B-5-P    |              |
| Wrench                        | 7624-A-25-P   |              |
| Pivot Block                   | 7624-A-5000-P |              |
| Pivot Block Pin               | 7624-D-5-P    |              |
| Handle                        | 7624-A-6-P    |              |
| Handle Link Pin w/ Cotter     | 7624-G-5-P    |              |
| Safety Clamp Box              | 7624-A-36-P   | 7624-A-9-P   |



# Safety Clamps

## Varco MP Style Safety Clamps

The MP style clamp catches tubular from 2-7/8" – 30-1/2" to safeguard against dropping string with the adjustment of the tool.

The head's forged, heat treated steel contraction gives this tool long life and dependability. The clamp can also be inserted and fitted with hold down lugs for snubbing operations.



| MP Style Safety Clamps |                   |             |
|------------------------|-------------------|-------------|
| Style                  | Size Range        | Part Number |
| MP-S                   | 2-7/8" - 4-1/8"   | 33030-P     |
|                        | 4" - 5"           | 33031-P     |
| MP-R                   | 4-1/2" - 5-5/8"   | 33011-P     |
|                        | 5-1/2" - 7"       | 33012-P     |
|                        | 6-3/4" - 8-1/4"   | 33013-P     |
|                        | 8" - 9-1/4"       | 33014-P     |
|                        | 9-1/4" - 10-1/2"  | 33015-P     |
| MP-M                   | 10-1/2" - 11-1/2" | 33016-P     |
|                        | 11-1/2" - 12-1/2" | 33017-P     |
|                        | 12-1/2" - 13-5/8" | 33018-P     |
|                        | 13-5/8" - 14-3/4" | 33019-P     |
|                        | 14-3/4" - 15-7/8" | 33020-P     |
| MP-L                   | 15-7/8" - 17"     | 33021-P     |
|                        | 17" - 18-1/2"     | 33022-P     |
|                        | 18-1/8" - 19-3/8" | 33023-P     |
| MP-XL                  | 19-3/8" - 20-3/8" | 33024-P     |
|                        | 20-3/8" - 21-1/2" | 33025-P     |
|                        | 21" - 22-5/8"     | 33032-P     |
|                        | 22-5/8" - 23-3/4" | 33033-P     |
|                        | 23-3/4" - 24-7/8" | 33034-P     |
|                        | 24-7/8" - 26"     | 33035-P     |
|                        | 26" - 27-1/8"     | 33036-P     |
|                        | 29-3/8" - 30-1/2" | 33039-P     |

| MP Style Safety Clamp Parts |                                   |
|-----------------------------|-----------------------------------|
| Part Number                 | Description                       |
| 3335-P                      | Link Assembly Complete (S Only)   |
| 3319-P                      | Link Assembly Complete (R, M & L) |
| 3306-P                      | Link w/ Cotter Pin                |
| 3307-P                      | Pin w/ Cotter Pin                 |
| 3325-P                      | Die Carrier Assembly (S Only)     |
| 3324-P                      | Die Carrier Assembly (R, M & L)   |
| 3309-P                      | Die Carrier                       |
| 3311-P                      | Spring                            |
| 51604-18-P                  | Roll Pin                          |
| 51405-28-P                  | Cotter Pin                        |
| 3318-P                      | Side Link Bar                     |
| 3304-P                      | Link Latch (S, R, M & L)          |
| 3321-P                      | Link Latch (XL Only)              |
| 3308-P                      | Screw Pin w/ Cotter Pin           |
| 3315-P                      | Screw Pin Bushing                 |
| 51405-10-P                  | Cotter Pin                        |
| 3302-P                      | Screw                             |
| 2714-P                      | Thrust Washer                     |
| 3303-P                      | Makeup Nut                        |
| 3305-P                      | Handle                            |
| 3320-P                      | Wrench                            |
| 3331-P                      | Box                               |

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