

# DRIVE CHUCKS & SUB-SAVERS FOR VERMEER NAVIGATOR® & DITCH WITCH JET TRAC®

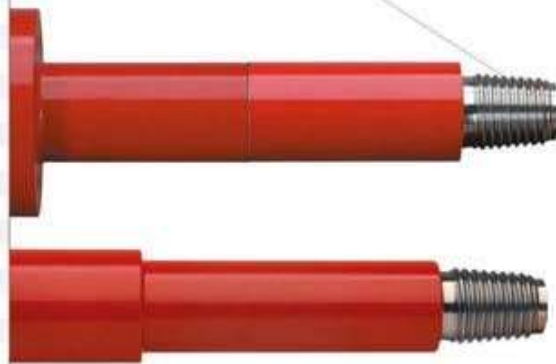
Changing out worn sub-savers and drive chucks is an inexpensive and easy way to get the maximum life out of your drill rod. If they are allowed to wear too much, a drill rod's threads will start to deform to the shape of the worn sub-saver threads. When attaching the drill rod to the sub-saver or chuck, be sure to torque it up to the correct pressure.



**Pro Driller Tip:**  
Don't forget the Auntie C's thread lube! See page 63

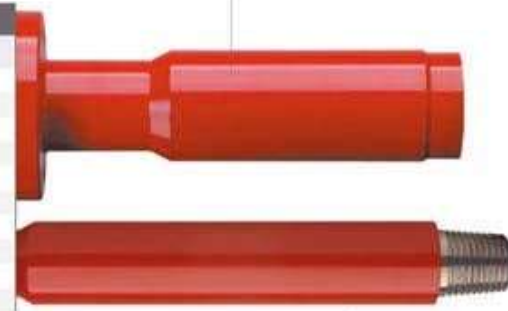
CNC-machined for a perfect match with your drill rod

| Drive Chucks For Vermeer® Drill Rigs |                  |                     |                  |
|--------------------------------------|------------------|---------------------|------------------|
| Drill Rig Model                      | Drill Rod Thread | Drive Flange Part # | Sub-saver Part # |
| D7x11a, D10x14, D10x15               | FS200            | VF-31M-FO-V         | VS-31M-31F-4.0   |
| D7x11 S2, D9x13 S2                   | FS200            |                     | VS-31M-32F-8.0   |
| D16x20, D18x22, D20x22               | FS250            | VF-32M-FO-V         | VS-32M-32F-4.0   |
| D16x20S2                             | FS250            |                     | VS-32M-40F-10.1  |
| D18x22, D20x22, D18x20               | FS400            |                     | VS-30M-30F-6.5   |
| D20X22 S2                            | FS400            |                     | VS-30M-40F-10.1  |
| D23X30                               | FS600            |                     | VS-40M-40F-10.1  |
| D24X40 S2                            | FS600            | VF-40M-FO           | VS-40M-40F-9.5   |
| D24X40 S3                            | FS600            |                     | VS-40M-40F-10.1  |
| D24X40A S/N 1-382                    | FS600            | VF-40M-FO           | VS-40M-40F-5.5   |
| D24X40A S/N 383+                     | FS600            | VF-40M-FO           | VS-40M-40F-7.0   |
| D40X40                               | FS600            | VF-40M-FO           | VS-40M-40F-8.5   |
| D36X50 S2                            | FS650            | VF-46M-FO           | VS-46M-46F-7.9   |
| D40X55 S3                            | FS650            |                     | VS-46M-46F-8.9   |
| D36X50, D36X50 S2                    | FS700            |                     | VS-41M-41F-8.5   |
| D40X55 S3                            | FS700            | VF-41M-FO           | VS-41M-41F-9.5   |
| D50X100A, D80X100 S2                 | FS800            | VF-80F-FO           | VS-80M-80F-7.0   |
| D80X100A                             | FS800            | VF-80F-FO           | VS-80M-80F-10.5  |
| D50X100A                             | FS900            |                     | VS-50M-50F-5.8   |
| D60X90 S2, D60X90 S3                 | FS900            |                     | VS-50M-50F-8.7   |
| D100X120, D100X120 S2, D100X140      | FS1000           |                     | VS-82M-82F-7.0   |



Completely heat-treated alloy for maximum durability

| Drive Chucks For Ditch Witch® Rigs |                  |                     |                  |
|------------------------------------|------------------|---------------------|------------------|
| Drill Rig Model                    | Drill Rod Thread | Drive Flange Part # | Sub-saver Part # |
| JT5                                | 1.10-5           | DF-04F              |                  |
| JT520 V2                           | 1.21-6           | DF-05F2             |                  |
| JT920, JT921 - fine thread         | 1.41-6           | DF-01AF             |                  |
| JT922 - fine thread                | 1.41-6           | DF-922-01AF         |                  |
| JT922, JT9 - coarse thread         | 1.30-5           | DF-09F              |                  |
| JT1220                             | 1.47-4           | DF-34F              |                  |
| JT1720                             | 1.69-6           | DF-86F              |                  |
| JT20, JT2020                       | 1.94-4           | DF-20F              |                  |
| JT2720                             | 1.94-4           | DF-35F              |                  |
| JT30, JT3020                       | 2.31-4           | DF-25F              | DS-25M-36F       |



Sub-saver glue kits available online at [www.melfredborzall.com/glue-kits](http://www.melfredborzall.com/glue-kits)

Most drive chucks are available with a replaceable, inexpensive sub-saver



- Transmitter Housings & Locators
- FastBack System
- Bits & Blades
- Rock Tools & Mud Motors
- Reamers
- Quick-Disconnects & Collars
- Swivels
- Pullers
- Drive Chucks & Sub-Savers
- Adapters
- Parts & Accessories