



## SUBSEA

### FEATURES

#### COMPACT DESIGN

Designed to fit ANSI B16.5, MSS SP44, API 6A and most other flange applications using dedicated flange hole adaptors.

#### HYDRAULIC ANCHOR COLLET RELEASE

Anchor collet automatically grips wire rope (without hydraulic pressure).

#### AUTO ADVANCE COLLET RELEASE

Advance collet fully disengages when the pulling cylinder is fully retracted.

#### MANUAL RETRACT COLLET RELEASE

Retract collet can be manually disengaged, allowing the pulling cylinder (including Advance and Retract collets) to be removed from the wire rope whilst the rope is installed in the flanges. Also allows the pulling system to be removed when pipe spring is evident (pipe spring makes the Anchor collet difficult to release).

#### LOW ROTATION WIRE ROPE

Special high load, 19mm and 22mm low rotation, steel wire rope ensures effective collet grip and reduces bird caging effects and strand unwinding.

#### REMOTE DIVER CONTROL VALVE

Pulling Cylinders are controlled via a separate Valve Control Console allowing the diver to control the pullers remote from the work site. This eliminates bulky cylinder mounted control valves and negates constant diver intervention between pullers when advancing and retracting the cylinders.

### DESCRIPTION

Designed for high performance and reliability, the **Subsea Flange Puller** is a compact device used to align or pull together flanges prior to the application of bolts and gaskets.

### SPECIFICATIONS

Maximum capacity of cylinder	20.0 tonf / 199.3 kN
Maximum working pressure of cylinder	10,000 psi / 689 Bar
Maximum stroke of cylinder	4.0 in / 102 mm
Diameter of wire ropes / drawbar available	19.0 mm / 22.0 mm / 1-1/8" 8UN Drawbar
Specified minimum breaking load of rope	19.0 mm - 307 kN (30.8 tonf) 22mm - 415 kN (41.6 tonf)
System operating pressure with 19.0 / 22.0 mm rope	5000 psi (413 Bar)
System operating pressure with 1-1/8" drawbar (Gr B7)	10,000 psi (690 Bar)