

Purpose

The **Brico Mechanical Shift-Up Tubing Release** is an economical and reliable method for separating the TCP assembly from the tubing tail pipe. This shift up release tool features a series of inner sleeves which are available to provide compatibility with tubing string landing nipples.

Operation

The tool is operated by means of a model 'B' shifting tool with positive keys. This is normally run via slickline operations with the appropriate spang / hydraulic jar BHA assembly. Once the slickline operator has determined depth below the gun release, the operator will pull into the shifting sleeve and jar up. This jarring up action will shear the 2 retaining shear screws allowing the inner sleeve to move up, collapsing the collet. The weight of the lower tail pipe and TCP gun assembly will now drop to the well bore rat hole (cellar) and, in turn, leave a re-entry guide shape which is incorporated into the upper gun release sub bottom.

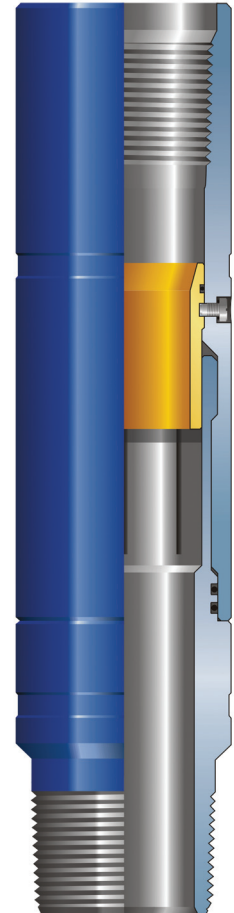
Note: Use only Positive or Shear Out keys in the Model 'B' shifting tool to activate this "shift up" gun release.

Specifications

Mechanical Shift-Up Tubing Release (Product N° 32-10)			
Thread Size and Type	2 3/8" EUE Pin (60.33 mm)	2 7/8" EUE Pin (73.0 mm)	3 1/2" EUE Pin (88.9 mm)
Pressure Rating	10,000 psi (69 mPa)	10,000 psi (69 mPa)	10,000 psi (69 mPa)
Tensile Strength	78,500 lbs (34,918 daN)	99,950 lbs (44,459 daN)	110,000 lbs (48,930 daN)
Maximum Temperature	400°F (204°C) with 90 Durometer Viton O-rings		
Maximum OD	3.04" (77.23 mm)	3.64" (92.46 mm)	4.50" (114.3 mm)
Length	15.0" (381 mm)	15.0" (381 mm)	21" (533.4 mm)
Shipping Weight	19 lbs (8.6 kg)	15 lbs (6.8 kg)	48 lbs (21.77 kg)
Redress Kit Number	32-1600040-99	32-1730040-99	32-1890040-99

*NOTE: 2 7/8" x 3 1/2" EUE thread size available on request.

Mechanical Shift-Up Tubing Release (Product N° 32-10)			
Thread Size and Type	2 3/8" EUE Pin (60.33 mm)	2 7/8" EUE Pin (73.0 mm)	3 1/2" EUE Pin (88.9 mm)
Minimum ID	1.645" (41.78 mm)	2.125" (53.9 mm)	2.75" (69.85 mm)
Assembly Number	32-1604241-00	32-1735441-00	32-1897041-00
Minimum ID	1.781" (45.23 mm)	2.25" (57.15 mm)	-
Assembly Number	32-1604541-00	32-1735741-00	-
Minimum ID	1.875" (47.62 mm)	2.34" (59.43 mm)	-
Assembly Number	32-1604841-00	32-1735941-00	-

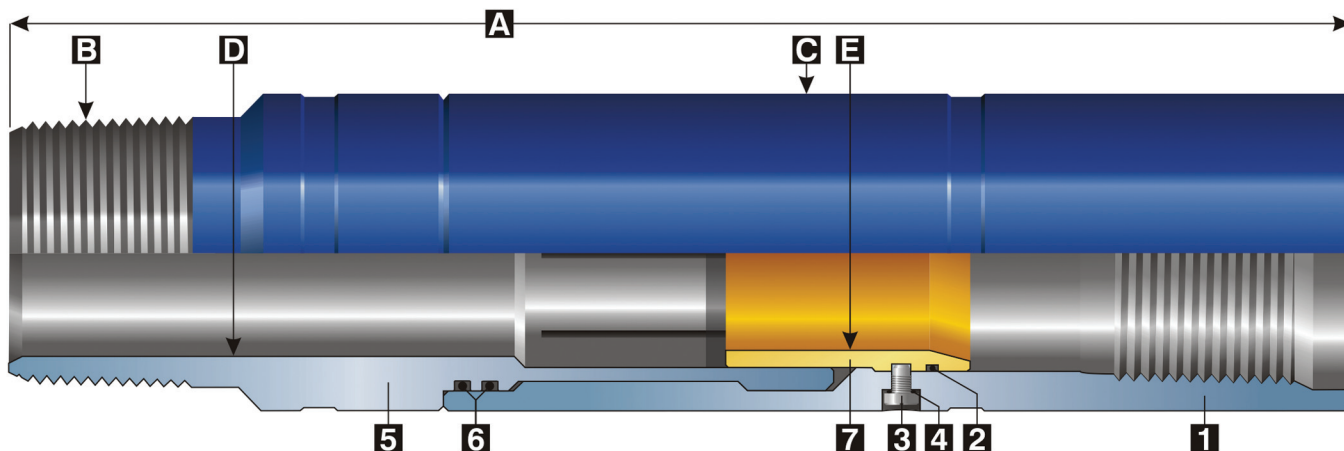


32-10 Mechanical Shift-Up Tubing Release, Dimentional Data

Dim	2 ³ / ₈ " EUE (60.33 mm)		2 ⁷ / ₈ " EUE (73.0 mm)		3 ¹ / ₂ " EUE (89.9 mm)	
	In	mm	In	mm	In	mm
A	15	381	15	381	21	114.3
B	2 ³ / ₈ " EUE	60.33 EUE	2 ⁷ / ₈ " EUE	73.0 EUE	3 ¹ / ₂ " EUE	89.9 EUE
C	3.04	77.2	3.64	92.46	4.50	114.3
D	1.875	47.6	2.441	62.0	3.00	76.2

32-10 Mechanical Shift-Up Tubing Release, Dimentional Data

Dim	In	mm	In	mm	In	mm
E-1	1.645	41.78	2.125	53.9	2.75	69.85
Ass. #	32-1604241-00		32-1735441-00		32-1897041-00	
E-2	1.781	45.23	2.25	57.15	-	-
Ass. #	32-1604541-00		32-1735741-00		-	
E-3	1.875	47.62	2.34	59.43	-	-
Ass. #	32-1604841-00		32-1735941-00		-	



32-10 Mechanical Shift-Up Tubing Release, Parts List

Item	Description	2 ³ / ₈ " (60.33 mm)	2 ⁷ / ₈ " (73.0 mm)	3 ¹ / ₂ " (89.9 mm)
		Part Number		
1	Top Sub	32-1600040-01	32-1730040-01	32-1890040-01
2	O-Ring 70 Durometer Viton	81-0137000-04	81-0145000-04	81-0233000-04
3	1/4" UNF 28 Screw	30-0106000-05	30-0106000-05	30-0106000-05
4	O-Ring 90 Durometer Viton	81-0008000-04	81-0008000-04	81-0008000-04
5	Bottom Sub with Collets	32-1600040-02	32-1730040-02	32-1890040-02
6	O-Ring 90 Durometer Viton	81-0228000-04	81-0233000-04	81-0238000-04
7-1	Sleeve	32-1604200-03	32-1735400-03	32-1897000-03
7-2	Sleeve	32-1604500-03	32-1735700-03	-
7-3	Sleeve	32-1604800-03	32-1735900-03	-