

Purpose

The **Brico Mechanical Shift-Down Tubing Release** is an economical, simple design, effective and proven means of releasing TCP guns from the tubing string. This shift down tubing release utilizes the standard Model "B" shifting tool to activate and release the lower section of the tool. The only component remaining on the tubing end is the top sub which leaves a well tapered internal profile for wireline re-entry into the tubing.

Operation

The Brico mechanical shift-down tubing release is recommended for shallow well applications only. The tool is always placed below the seating nipple profile, below a packer or lower section of tubing above the TCP firing head. Once the TCPs guns have been fired, the tool is released by means of running a Model "B" shifting tool on slickline. Once the inner sleeve has been located, a jarring down action will shear off the 2 brass shear screws. Continued jarring down will shift the inner sleeve down allowing the collet to collapse. The shifting sleeve and lower sub assembly will drop to the well bore rat hole (cellar) leaving only the top sub. This top sub remaining on the tubing end acts as an excellent re-entry guide.

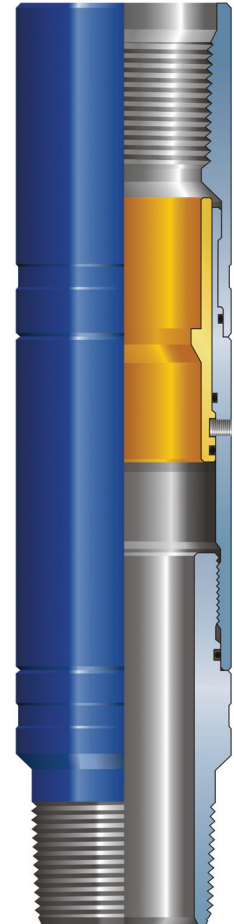
Note: This tool is a low pressure, shallow well bore designed tool and should not be run in deep high pressure well applications.

Specifications

Mechanical Shift-Down Tubing Release (Product N° 32-20)			
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	5,000 psi (34,475 mPa)	4,500 psi (31,028 mPa)	4,000 psi (27,580 mPa)
Tensile Strength	40,000 lbs (17,793 daN)	50,000 lbs (22,241 daN)	55,000 lbs (24,465 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	13.5" (342.9 mm)	14.0" (355.6 mm)	16" (406.4 mm)
Shipping Weight	12.5 lbs (5.67 kg)	13.8 lbs (6.26 kg)	19.5 lbs (8.84 kg)
Redress Kit Number	32-2600040-99	32-2730040-99	32-2890040-99

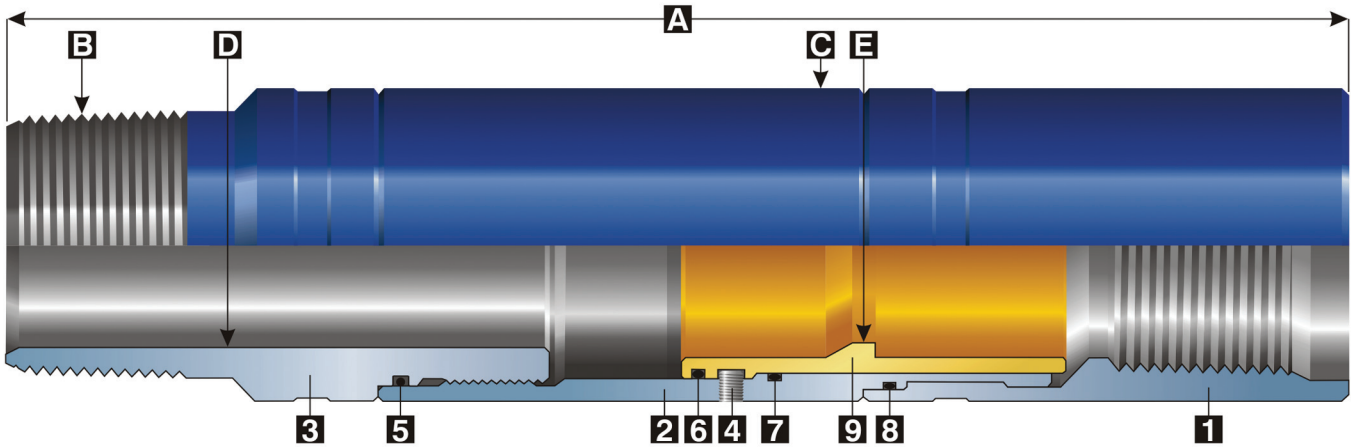
*NOTE: 2 3/8" x 2 7/8" and 2 7/8" x 3 1/2" EUE thread size available on request.

Mechanical Shift-Down Tubing Release (Product N° 32-20)			
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	32-2604241-00	32-2735441-00	32-2897041-00
Minimum ID	1.781" (45.23 mm)	2.25" (57.15 mm)	-
Assembly Number	32-2604541-00	32-2735741-00	-
Minimum ID	1.875" (47.62 mm)	2.34" (59.43 mm)	-
Assembly Number	32-2604841-00	32-2735941-00	-



32-20 Mechanical Shift-Down 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	13.5	342.9	13.8	355.6	16	406.4
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

32-20 Mechanical Shift-Down 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. #	32-2604241-00		32-2735441-00		32-2897041-00	
E-2	1.781	45.23	2.25	57.15	-	-
Ass. #	32-2604541-00		32-2735741-00		-	
E-3	1.875	47.62	2.34	59.43	-	-
Ass. #	32-2604841-00		32-2735941-00		-	



32-20 Mechanical Shift-Down 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	32-2600040-01	32-2730040-01	32-2890040-01
2	Collet Sub	32-2600000-04	32-2730000-04	32-2890000-04
3	Bottom Sub	32-2600040-02	32-2730040-02	32-2890040-05
4	Brass Shear Screw	82-3037632-01	82-3037632-01	82-3037632-01
5	O-Ring 90 Durometer Viton	81-0145000-04	81-0151000-04	81-0157000-04
6	O-Ring 90 Durometer Viton	81-0142000-04	81-0150000-04	81-0156000-04
7	O-Ring 90 Durometer Viton	81-0143000-04	81-0151000-04	81-0155000-04
8	O-Ring 90 Durometer Viton	81-0146000-04	81-0151000-04	81-0158000-04
9-1	Sleeve	32-2604200-03	32-2735400-03	32-2897000-03
9-2	Sleeve	32-2604500-03	32-2735700-03	-
9-3	Sleeve	32-2604800-03	32-2735900-03	-