

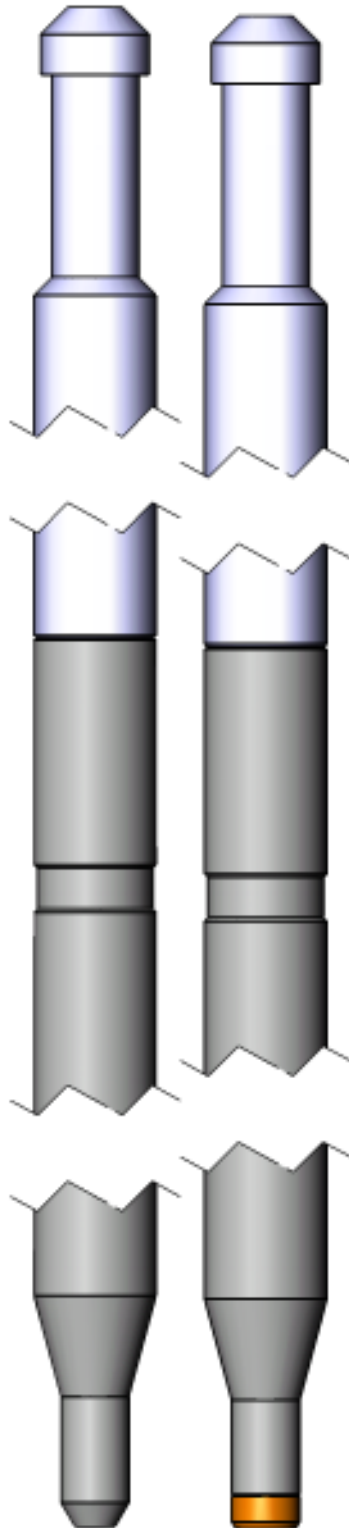
**For use with Mechanical Firing Head, Econo Style
Description**

The Drop Bar, Slim Nose is used to activate the Mechanical Firing Head, Econo Style by the impact generated when it strikes the Firing Pin. This Drop Bar is also used to fragment temporary tubing blanking devices such as Differential Subs, Surge Tools and accessories like Pressure Release (KOBE) Subs. These drop bars can be used in wells up to 40° inclination from vertical.

After the guns have been fired, the Drop Bar, Slim Nose may be retrieved with a standard wireline retrieving tool either on slickline, braided sand line or wireline. The bars are manufactured with a 1.125 inch (28.6 mm) OD, ensuring passage through tubing restrictions such as No-Go Nipples.

The standard Drop Bar, Slim Nose may be reused several times, however, the operating life of the bar may be increased by using the Slim Nose Brass Button Drop Bar. The replaceable brass button deforms upon impact with the firing pin. When this drop bar is retrieved to surface, a visual inspection confirms the drop bar has impacted the Firing Head.

Drop Bars are available in a variety of lengths to suit various applications and tubing configurations.



**Note: 10 ft. (3.05 m) Drop Bars shown are 2 piece assemblies.
3 ft. (0.91 m) through 6 ft. (1.83 m) Drop Bars are 1 piece**

Specifications

	Standard Slim Nose Bar		Brass Button Bar	
Maximum OD	1.125 in	28.6 mm	1.125 in	28.6 mm
Fish Neck OD	1.000 in (25.4 mm)			
Fish Neck Length	2.500 in (63.5 mm)			
Fish Neck Undercut	0.800 in (20.3 mm)			
Percussion Neck OD	0.625 in	15.9 mm	0.625 in	15.9 mm
Percussion Neck Length	1.25 in	32 mm	1.187 in	30.2 mm
Length	Weight			
3 ft (0.914 m)	9.5 lb	4.3 kg	10.0 lb	4.5 kg
4 ft (1.22 m)	12.2 lb	5.5 kg	12.8 lb	5.8 kg
5 ft (1.52 m)	16.4 lb	7.4 kg	17.0 lb	7.7 kg
6 ft (1.83 m)	20.0 lb	9.1 kg	21.8 lb	9.9 kg
10 ft (3.05 m)	33.2 lb	15.1 kg	34.0 lb	15.4 kg

Product Numbers		
Length	Standard Slim Nose Bar	Brass Button Bar
3 ft (0.91 m)	TC-130-0004-003	TC-132-1125-003
4 ft (1.22 m)	TC-130-0004-004	TC-132-1125-004
5 ft (1.52 m)	TC-130-0004-005	TC-132-1125-005
6 ft (1.83 m)	TC-130-0004-006	TC-132-1125-006
10 ft (3.05 m)	TC-130-1125-010	TC-132-1125-010

Slim OD Drop Bars for use with wellhead isolation equipment, are available upon request

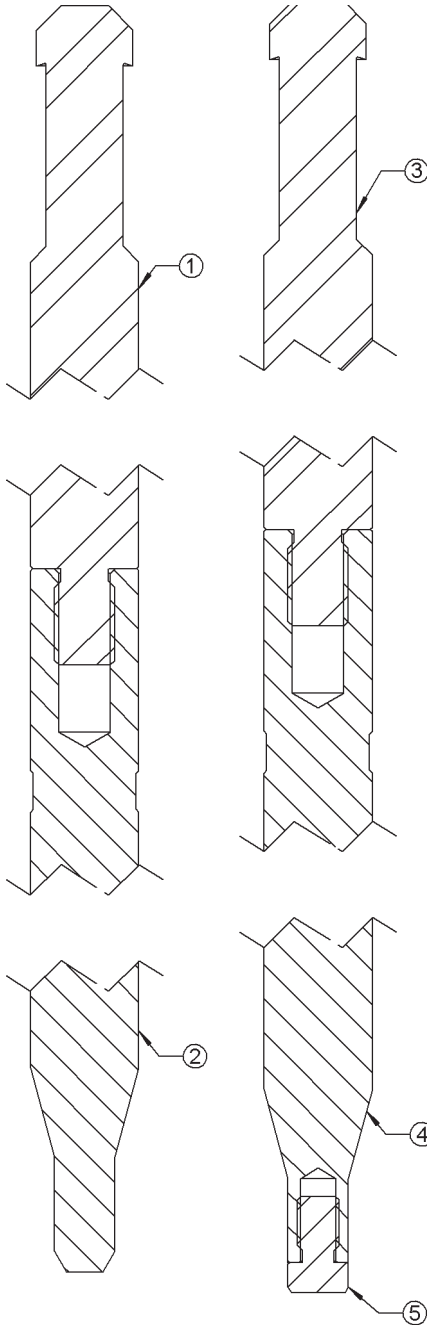
Drop Bar, Slim Nose

TC-130

Drop Bar, Slim Nose Brass Button

TC-132

Owen Oil Tools



Item	Part Number	Qty	Description
--	TC-130-0004-003	1	Drop Bar Slim Nose 1.125 OD x 3 ft (0.9 m)
--	TC-130-0004-004	1	Drop Bar Slim Nose 1.125 OD x 4 ft (1.2 m)
--	TC-130-0004-005	1	Drop Bar Slim Nose 1.125 OD x 5 ft (1.5 m)
--	TC-130-0004-006	1	Drop Bar Slim Nose 1.125 OD x 6 ft (1.8 m)

Item	Part Number	Qty	Description
--	TC-132-1000-003	1	Drop Bar, Slim Nose Brass Button 1.000" OD x 3 ft
--	TC-132-1000-004	1	Slim Nose Brass Button Drop Bar 1.000" OD x 4 ft
--	TC-132-1000-005	1	Slim Nose Brass Button Drop Bar 1.000" OD x 5 ft
--	TC-132-1000-006	1	Slim Nose Brass Button Drop Bar 1.000" OD x 6 ft

Item	Part Number	Qty	Description
--	TC-132-1125-003	1	Slim Nose Brass Button Drop Bar 1.125" OD-3 ft
--	TC-132-1125-004	1	Slim Nose Brass Button Drop Bar 1.125" OD-4 ft
--	TC-132-1125-005	1	Slim Nose Brass Button Drop Bar 1.125"OD-5 ft
--	TC-132-1125-006	1	Slim Nose Brass Button Drop Bar 1.125" OD-6 ft

Item	Part Number	Qty	Description
--	TC-132-1250-003	1	Long Slim Nose Drop Bar Brass Button, 1.25 OD-3 ft (0.9 m)
--	TC-132-1250-004	1	Long Slim Nose Drop Bar Brass Button, 1.25 OD-4 ft (1.2 m)
--	TC-132-1250-005	1	Long Slim Nose Drop Bar Brass Button, 1.25 OD-5 ft (1.5 m)
--	TC-132-1250-006	1	Long Slim Nose Drop Bar Brass Button, 1.25 OD-6 ft (1.8 m)

Multiple Piece Drop Bars

Item	Part Number	Qty	Description
--	TC-130-1125-010	--	Drop Bar Slim Nose 1.125 OD 10 ft (3.0 m)
1	TC-130-0000-010	1	Drop Bar Slim Nose 1.125 OD 5 ft (1.5 m) Top Section
2	TC-130-0001-010	1	Drop Bar Slim Nose 1.125 OD 5 ft (1.5M) Bottom

Item	Part Number	Qty	Description
--	TC-132-1125-010	--	Drop Bar Slim Nose 1.125 OD 10 ft (3 m)
3	TC-130-0000-010	1	Drop Bar Slim Nose 1.125 OD 5 ft (1.5 m) Top Section
4	TC-132-0002-010	1	Slim Nose Brass Button Drop Bar 10 ft (3.0 m) Bottom
5	TC-132-0001-000	1	Slim Nose Brass Button