

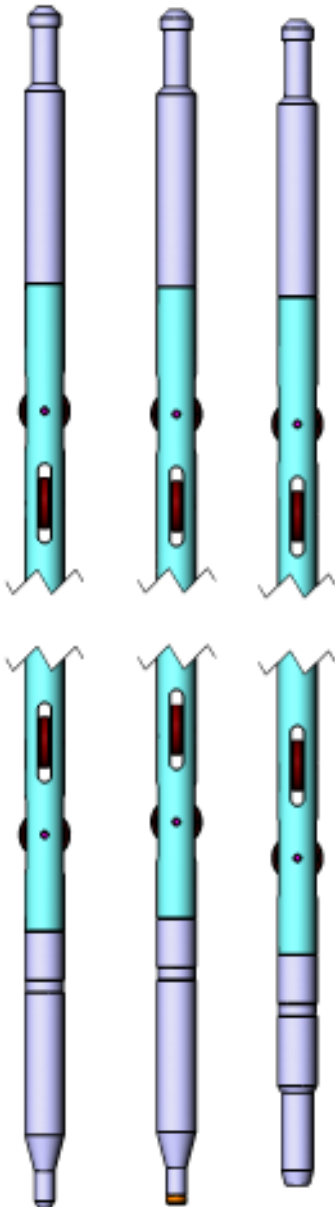
**Description**

The Roller Drop Bar is used in applications where the Standard Drop Bar may not be employed, such as in deviated wellbores with inclination between 40° and 60° from vertical.

The Roller Drop Bar is fit with a number of rollers which are oriented to ensure adequate contact with the inside of the tubing, regardless of the orientation of the bar. For applications where wellbore inclination exceeds 60°, it is highly recommended that a Hydraulic Firing Head be used rather than a Mechanical version.

The Roller Drop Bars are available with Slim Nose, Slim Nose Brass Button and Wide Nose. 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.

After the guns have been fired, the Roller Drop Bar may be retrieved with a standard wireline retrieving tool on slickline, braided sand line or wireline.



**Specifications**

Product Number			
Slim Nose	TC-133-XXX-000 (Order by Assembly No. below)		
Wide Nose	TC-135-XXX-000 (Order by Assembly No. below)		
Brass Button	TC-134-XXX-000 (Order by Assembly No. below)		
Tubing Size	2-3/8 in	2-7/8 in	3-1/2 in
Roller Diameter	1.625 in (41.3 mm)	1.828 in (46.4 mm)	2.297 in (58.3 mm)
Maximum Bar OD	1.250 in (31.8 mm)	1.250 in (31.8 mm)	1.250 in (31.8 mm)
Fish Neck Undercut	0.800 in (20.3 mm)	0.800 in (20.3 mm)	0.800 in (20.3 mm)
Bar Length	67 in (170 cm)	67 in (170 cm)	67 in (170 cm)
Bar Length (Wide Nose)	65.5 in (166 cm)	65.5 in (166 cm)	65.5 in (166 cm)
Maximum Temperature	450°F (230°C)		
Percussion Neck OD			
Slim Nose Bottom	0.625 in (15.9 mm)		
Brass Button	0.625 in (15.9 mm)		
Percussion Neck Length <sup>2</sup>	1.20 in (30.5 mm)		
Wide Nose Bottom	1.000 in (25.4 mm)		
Percussion Neck Length	3.00 in (76.2 mm)		

<sup>1</sup>Temperature limitation is due to the rollers

<sup>2</sup>The brass button length is negligible

Note: specify tubing size when ordering to ensure correct wheel size for each application

**Roller Drop Bar, Slim Nose**

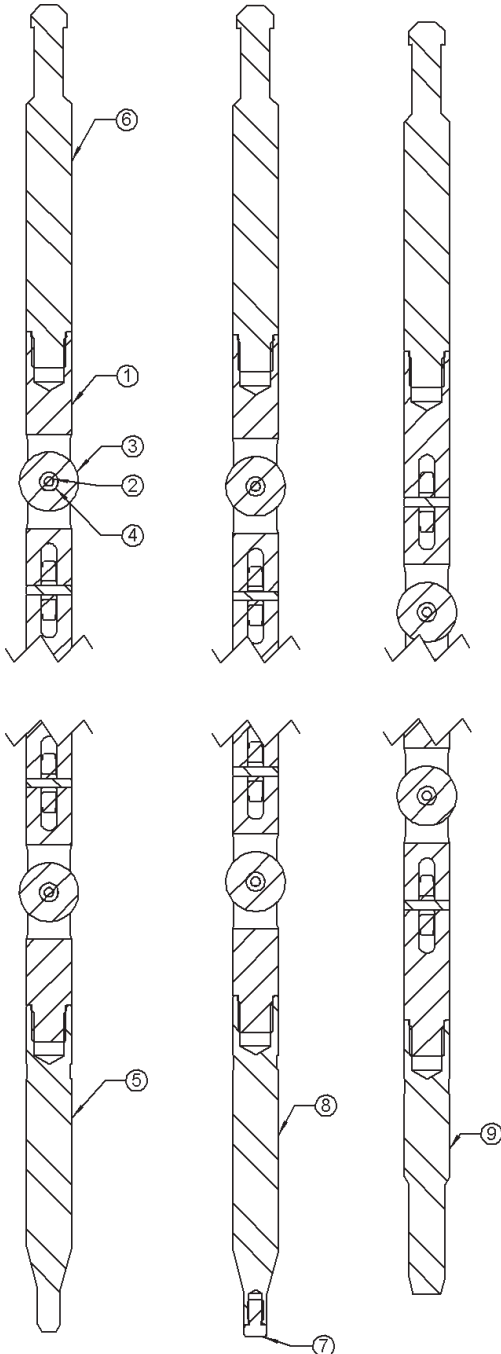
Assembly No.	For Tubing	Wheel OD	Wheel Part No.
TC-133-2375-000	2.375" OD	1.625"	TC-133-0009-000
TC-133-2875-000	2.875" OD	1.828"	TC-133-0007-000
TC-133-3500-000	3.500" OD	2.297"	TC-133-0008-000

**Roller Drop Bar, Slim Nose, Brass Button**

Assembly No.	For Tubing	Wheel OD	Wheel Part No.
TC-134-2375-000	2.375" OD	1.625"	TC-133-0009-000
TC-134-2875-000	2.875" OD	1.828"	TC-133-0007-000
TC-134-3500-000	3.500" OD	2.297"	TC-133-0008-000

**Roller Drop Bar, Wide Nose**

Assembly No.	For Tubing	Wheel OD	Wheel Part No.
TC-135-2375-000	2.375" OD	1.625"	TC-133-0009-000
TC-135-2875-000	2.875" OD	1.828"	TC-133-0007-000
TC-135-3500-000	3.500" OD	2.297"	TC-133-0008-000



Item	Part Number	Qty	Description
--	<b>TC-133-2375-000</b> <b>TC-133-2875-000</b> <b>TC-133-3500-000</b>	--	<b>Roller Drop Bar, Slim Nose</b> <b>1.250" OD x 67" Long</b>
1	TC-133-0003-000	1	Roller Drop Bar Body with Threaded Connection 1.250" OD
2	PF-130-0250-125	4	Roll Pin 1/4" x 1-1/4" long
3	TC-133-0007-000	4	Roller Wheel 1.828" OD for 2-7/8" tubing
3	TC-133-0008-000	4	Roller Wheel 2.297" OD for 3-1/2" tubing
3	TC-133-0009-000	4	Roller Wheel 1.625" OD for 2-3/8" tubing
4	TC-133-0006-000	4	Bushing for Roller Drop Bar 1.250" OD
5	TC-133-0005-000	1	Slim Nose Pin End f/Roller Drop Bar 1.250" OD
6	TC-133-0004-000	1	Fish Neck End f/Roller Drop Bar 1.250" OD

Item	Part Number	Qty	Description
--	<b>TC-134-2375-000</b> <b>TC-134-2875-000</b> <b>TC-134-3500-000</b>	--	<b>Roller Drop Bar Slim Nose Brass Button</b> <b>1.250" OD x 67" Long</b>
1	TC-133-0003-000	1	Roller Drop Bar Body with Threaded Connection 1.250" OD
2	PF-130-0250-125	4	Roll Pin 1/4" x 1-1/4" long
3	TC-133-0007-000	4	Roller Wheel 1.828" OD for 2-7/8" tubing
3	TC-133-0008-000	4	Roller Wheel 2.297" OD for 3-1/2" tubing
3	TC-133-0009-000	4	Roller Wheel 1.625" OD for 2-3/8" tubing
4	TC-133-0006-000	4	Bushing for Roller Drop Bar 1.250" OD
6	TC-133-0004-000	1	Fish Neck End f/Roller Drop Bar 1.250" OD
7	TC-132-0001-000	1	Slim Nose Brass Button
8	TC-134-0002-000	1	Slim Nose Brass Button Pin End 1.250" OD

Item	Part Number	Qty	Description
--	<b>TC-135-2375-000</b> <b>TC-135-2875-000</b> <b>TC-135-3500-000</b>	--	<b>Roller Drop Bar, Wide Nose</b> <b>1.250" OD x 65.5" Long</b>
1	TC-133-0003-000	1	Roller Drop Bar Body with Threaded Connection 1.250" OD
2	PF-130-0250-125	4	Roll Pin 1/4" x 1-1/4" long
3	TC-133-0007-000	4	Roller Wheel 1.828" OD for 2-7/8" tubing
3	TC-133-0008-000	4	Roller Wheel 2.297" OD for 3-1/2" tubing
3	TC-133-0009-000	4	Roller Wheel 1.625" OD for 2-3/8" tubing
4	TC-133-0006-000	4	Bushing for Roller Drop Bar 1.250" OD
6	TC-133-0004-000	1	Fish Neck End f/Roller Drop Bar 1.250" OD
9	TC-133-0010-000	1	Wide Nose Pin End f/Roller Drop Bar 1.25" OD