



The Collar Locator/Drag Body may be assembled either as a drag assembly to provide friction between the tubing string and the casing wall or as a mechanical collar locator to correlate the tubing depth to a well log. Used as a drag assembly, the Collar Locator provides a simple reliable method of providing drag to facilitate the operation of rotational tools such as the rotational circulating valve, which is commonly used in selective injection operations. The drag pads are energized with acid resistant leaf springs to ensure reliable operation.

The Collar Locator may be converted to a collar locator simply by replacing the drag pads with locator keys. The design of the locator keys allows the keys to expand into the recess of an API casing collar as it passes through the collar. This results in a momentary increase in tubing force as the key is forced to collapse in order to move out of the collar recess. The keys are designed to give the most positive indication when the Collar Locator is moved upward through the collar. The action of the Collar Locator passing upward through a collar will be felt in the tubing string at surface. The Collar Locator is commonly run with service tools that require accurate positioning in the well.

The Collar Locator may be used either as a fixed locator (cannot turn on the mandrel and provides drag) or as a freely rotating locator that is free to rotate on the mandrel. To convert the Collar Locator to a freely rotating version, the top coupling on the locator is replaced with a standard tubing coupling.

Collar Locator					
Size	Casing Weight	O.D. Collapsed	O.D. Expanded	I.D.	Connection
in	lbs/ft	in	in	in	in
mm	kg/m	mm	mm	mm	mm
4-1/2	9.5 – 13.50	3.80	4.56		
114.3	14.1 – 20.1	96.8	115.8		
5-1/2	13 – 17	4.75	5.374	2.0	2-3/8 EUE
	19.3 – 25.3	120.6	136.5	50.8	60.30 EUE
	17 – 23	4.50	5.125		
	25.3 – 34.2	114.3	130.0		
139.7	13 – 17	4.75	5.374	2.5	2-7/8 EUE
	19.3 – 25.3	120.6	136.5		
	17 – 23	4.50	5.125		
	25.3 – 34.2	114.3	130.0		
7	17 – 23	5.88	6.75	63.5	73.0 EUE
	25.3 – 34.2	149.4	171.5		
177.8	26 – 32	6.25	6.88		
	38.7 – 47.6	158.8	174.7		

Drag Body					
Size	Casing Weight	O.D. Collapsed	O.D. Expanded	I.D.	Connection
in	lbs/ft	in	in	in	in
mm	kg/m	mm	mm	mm	mm
4-1/2	9.5 – 13.50	3.80	4.30		
114.3	14.1 – 20.1	96.8	109.5		
5-1/2	13 – 17	4.75	5.374	2.0	2-3/8 EUE
	19.3 – 25.3	120.6	136.5	50.8	60.30 EUE
	17 – 23	4.50	5.125		
	25.3 – 34.2	114.3	130.0		
139.7	13 – 17	4.75	5.374	2.5	2-7/8 EUE
	19.3 – 25.3	120.6	136.5		
	17 – 23	4.50	5.125		
	25.3 – 34.2	114.3	130.0		
7	17 – 23	5.88	6.75	63.5	73.0 EUE
	25.3 – 34.2	149.4	171.5		
177.8	26 – 32	6.25	6.88		
	38.7 – 47.6	158.8	174.7		
8-5/8	17 – 23	7.39	8.38	3.0	3-1/2 EUE
219.1	25.3 – 47.7	187.7	212.9	76.2	88.9 EUE