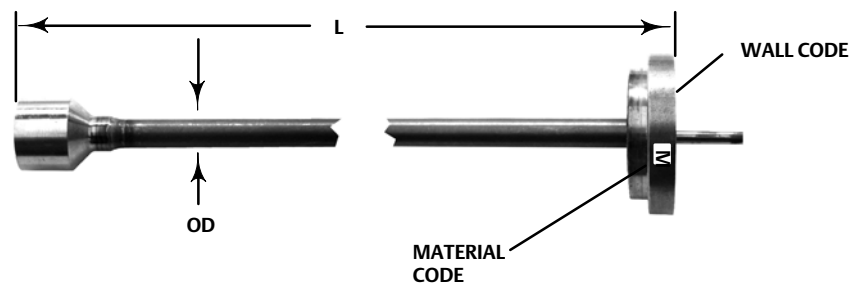


Torque Tube Identification—Supplement to Fisher™ 249 Sensor Instruction Manuals

Identifying Torque Tubes for 249/259 Level Sensors

Use the following charts to identify 249/259 torque tubes. Refer to the appropriate 249 instruction manual for all other sensor information.

1. To determine the type of sensor it can be used in...				Level Sensor Family checked:							
Measure length of tube, "L", (excluding pilot shaft)		mm	inches	259	249	249B	249BP (CL150- CL600)	249C	249CP	249K	249L
				Short	293.1	11.54	X	X	X	X	X
Long	397.8	15.66								X	X
				(obs) 249N	249P (CL150- CL600)	249P (CL900- CL2500)	(obs) 249PT	(obs) 249V	249VS	(obs) 249VT	249W
Short	293.1	11.54		X		X				X	X
Long	397.8	15.66	X		X			X	X		
				European Sourcing Only							



■ Indicates torque tube is rare, obsolete, or discontinued, and not commonly found.

2. To determine "wall thickness":			Functions as "...wall" in the indicated Level Sensor Family:							
a) Measure Tube OD	b) Look for wall code on face of outer tube end		259	249	249B	249BP (CL150-CL600)	249C	249CP	249K	249L
	mm	inches								
7.98	0.314	(none)	HVY	HVY	HVY	HVY			STD	STD
6.77	0.267	(none)	STD	STD	STD	STD	HVY	HVY	THN	THN
6.77	0.267	T	THN	THN	THN	THN	STD	STD		
			(obs) 249N	249P (CL150-CL600)	249P (CL900-CL2500)	(obs) 249PT	(obs) 249V	249VS	(obs) 249VT	249W
			European Sourcing Only							
7.98	0.314	(none)	STD	HVY	STD		STD	STD		HVY
6.77	0.267	(none)	THN	STD	THN	HVY	THN	THN	HVY	STD
6.77	0.267	T		THN		STD			STD	THN

3. To determine material:	The stamped code only identifies the material of the end piece. This is the same as the tube material, except where noted.			
The most common materials	Code on rim of outer end	Alloy	Description	Notes:
	M	N04400	nickel alloy	The tube itself is N05500 (which would be indicated by code "K" if stamped). The N05500 tube is darker in color from the precipitation-hardening treatment.
	S	S31600	316 SST	
	I	N06600	nickel alloy	
C	N10276	nickel alloy		
Occasionally Used	D	N08020		
	A	S30400	304 SST	
Rare, obsolete, or discontinued (might be found in older stock)	N	N02200	nickel alloy	
	DN	N03301	nickel alloy	
	Y	N08800	nickel alloy	
	B	N10665	nickel alloy	
	SC	S30403	304L SST	
	H	S31603	316L SST	
	L	S34700	347 SST	

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