

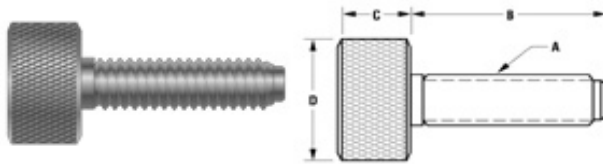
MECHANICAL COMPONENTS - Torque Thumb Screws

Torque Thumb Screws

Vlier Torque Thumb Screws provide a variety of holding support including regular, reverse, variable and off-angle support. All Vlier torque thumb screws are provided with a checknut to prevent back-off during operation.

Regular - Type A

Vlier Regular (Type A) Torque Thumb Screws offer numerous holding applications in building jigs, fixtures and special tooling.



Torque Thumb Screws - Regular Type A

Part No.	A	B	C	D	Estimated End Force Pounds
T102	10-32	1-1/4	0.47	7/8	8-15
T103	1/4-20	1-3/4			9-18
T1031	1/4-20	2-1/2			9-18
T103A	5/16-18	1-3/4	0.47	7/8	10-20
T103A1		2-1/4			
T103B		3			
T104	3/8-16	1-3/4	0.47	7/8	12-23
T1041		2-1/4			
T105		3			
T106	1/2-13	1-3/4	0.53	1-1/8	13-25
T1061		2-1/4			
T107		3			
T1071		3-1/2			
T108	5/8-11	1-3/4	0.53	1-1/8	15-28

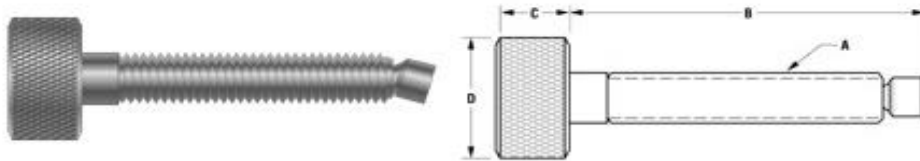
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Swivel Pad Type

Vlier Swivel Pad Torque Thumb Screws combine torque-limiting with a surface-protecting ball bearing swivel pad available in steel or Delrin to hold off-angle surfaces without marring or damage.



Torque Thumb Screws - Swivel Pad

Part No.		A	B	C	D	Estimated End Force Pounds
Steel Pad	Delrin Pad					
TS103	NTS103	1/4-20	2-1/4	0.47	7/8	9-18
TS103A	NTS103A	5/16-18	2-1/4	0.47	7/8	10-20
TS104	NTS104	3/8-16	2-1/4	0.47	7/8	12-23
TS107	NTS107	1/2-13	3	0.53	1-1/8	13-25

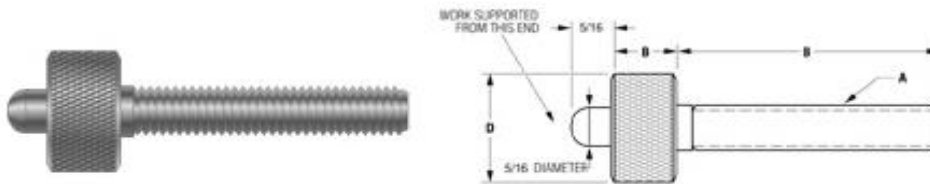
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Inverted Type B

Vlier Inverted Torque Thumb Screws (Type B) apply reverse holding support ideal in limited space applications.



Torque Thumb Screws - Inverted Type B

Part No.	A	B	C	D	Estimated End Force Pounds
T125	1/4-20	1-3/4	7/16	7/8	9-18
T126	3/8-16	1-3/4	7/16	7/8	12-23
T127	1/2-13	1-3/4	1/2	1-1/8	13-25
T128	5/8-11	1-3/4	1/2	1-1/8	15-28

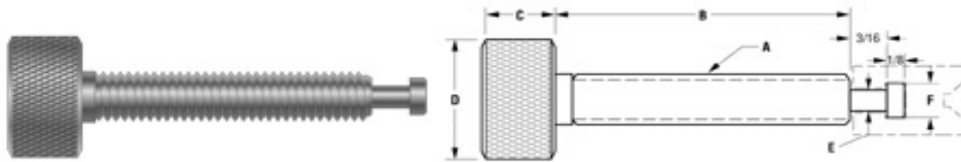
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Tee Head Type C

Vlier Tee Head Torque Thumb Screws (Type C) are ideal where controlled end force and torque are required. Tee head fits part for forward or reverse motion.



Torque Thumb Screws - Tee Head Type C

Part No.	A	B	C	D	E	F	Estimated End Force Pounds
T150	1/4-20	1-3/4	7/16	7/8	0.093	0.184	13-25
T151	3/8-16	1-3/4	7/16	7/8	0.174	0.29	17-33
T152	1/2-13	1-3/4	1/2	1-1/8	0.276	0.396	19-35

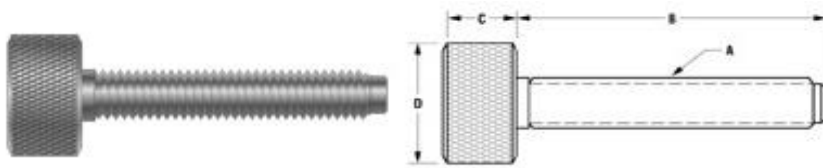
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Torque Thumb Screws

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Adjustable Type D

Vlier Adjustable Torque Thumb Screws (Type D) provide variable holding force with a simple hex wrench adjustment made to the head of the screw.



Torque Thumb Screws - Inverted Type D

Part No.	A	B	C	D	Adjustable Torque Inch Pounds	Estimated End Force Pounds
T198	3/8-16	1-3/4	21/32	1-3/16	3-6	10-125
T199	3/8-16	3	21/32	1-3/16	3-6	10-125
T200	1/2-13	1-3/4	21/32	1-3/16	3-6	10-125
T201	1/2-13	3	21/32	1-3/16	3-6	10-125

Checknuts

Part No.	Thread Size	A	B	C	D
T102CN	10-32	3/4	7/32	1/2	5/32
T103CN	1/4-20	3/4	7/32	1/2	5/32
T103ACN	5/16-18	3/4	5/16	1/2	1/4
T104CN	3/8-16	3/4	5/16	1/2	1/4
T106CN	1/2-13	1	3/8	3/4	1/4
T108CN	5/8-11	1	3/8	3/4	1/4