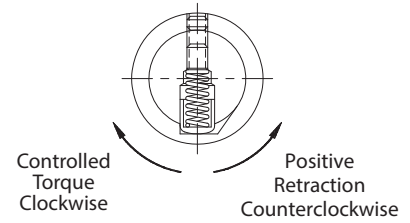


# ADJUSTABLE-TORQUE THUMB SCREWS

SCREW: 1215 STEEL, CARBURIZED-HARDENED, BLACK OXIDE FINISH

KNOB: 1215 STEEL, BLACK OXIDE FINISH

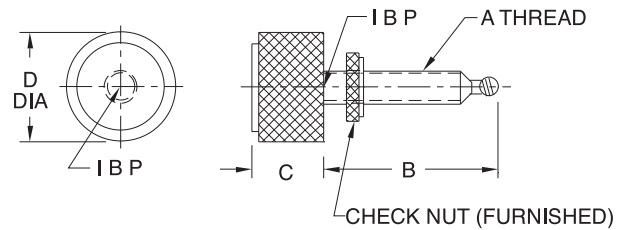
SPRING: MUSIC WIRE OR STAINLESS STEEL 302



Knurled-head thumb screw that exerts positive, repeatable force. Clockwise, the knob declutches and turns freely when you reach the desired torque. Counterclockwise, the knob locks for positive retraction. Adjustable-Torque Thumb Screws are furnished with your choice of swivel foot, and a Knurled Check Nut.

To set desired force, first remove the outer cover screw at the side of the knob, to expose the adjustment screw. Next, insert a hex wrench to turn the adjustment screw until desired torque is achieved. Reinstall the outer cover screw when finished. Torque can be adjusted from 3 to 6 inch-lbs, resulting in a contact force of 10 to 125 lbs, but these values are approximate. Force can vary +/- 30% depending on lubrication and other operating conditions.

Choice of four foot types. Adjustable-Torque Thumb Screws use our patented left-hand-thread swivel-foot system. The ball end of the body screws into the foot for easy installation and removal. Once the ball threads pass beyond the foot threads, the foot can rotate and pivot freely (20° total angle). Foot threads are left-hand to positively prevent accidental backout during use. Delrin® feet are optional for types A and B. To order with a Delrin® foot, add "N" to the part number, e.g. CL-415-TSAN. Note: Delrin® feet are not threaded – they snap on and off.



## INCH

PART NO.				A	B	C	D DIA	ADJUSTMENT RANGE	
DOG POINT	A FOOT	B FOOT	D FOOT					TORQUE (IN.-LBS.)	END FORCE (LBS)*
CL-312-TS	—	—	—	#10-24	1-1/4	21/32	15/16	3-6	10-125
CL-312A-TS	—	—	—	#10-32					
—	CL-415-TSA	CL-415-TSB	CL-415-TSD	1/4-20	1-1/2				
—	CL-425-TSA	CL-425-TSB	CL-425-TSD	—	2-1/2				
—	CL-517-TSA	CL-517-TSB	CL-517-TSD	5/16-18	1-3/4				
—	CL-527-TSA	CL-527-TSB	CL-527-TSD		2-3/4				
—	CL-620-TSA	CL-620-TSB	CL-620-TSD	3/8-16	2				
—	CL-630-TSA	CL-630-TSB	CL-630-TSD		3				
—	CL-820-TSA	CL-820-TSB	CL-820-TSD		2				
—	CL-830-TSA	CL-830-TSB	CL-830-TSD	1/2-13	3				
—	CL-1020-TSA	CL-1020-TSB	CL-1020-TSD	5/8-11	2				
—	CL-1030-TSA	CL-1030-TSB	CL-1030-TSD		3				

## METRIC

PART NO.				A THREAD	THREAD PITCH (mm)	B (mm)	C (mm)	D DIA (mm)	ADJUSTMENT RANGE	
DOG POINT	A FOOT	B FOOT	D FOOT						TORQUE (Nm)	END FORCE (N)
CLM-5-TS	—	—	—	M5	.8	30	16.5	24	.3 - .7	50 - 550
—	CLM-6-TSA	CLM-6-TSB	CLM-6-TSD	M6	1	64				
—	CLM-8-TSA	CLM-8-TSB	CLM-8-TSD	M8	1.25	69				
—	CLM-10-TSA	CLM-10-TSB	CLM-10-TSD	M10	1.5	74				
—	CLM-12-TSA	CLM-12-TSB	CLM-12-TSD	M12	1.75	73				
—	CLM-16-TSA	CLM-16-TSB	CLM-16-TSD	M16	2					

\* End force can vary +/-30% depending on lubrication and other operating conditions.