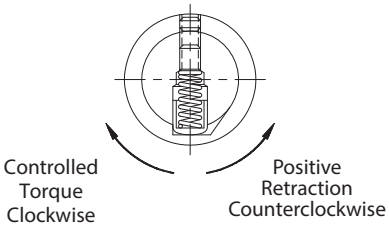
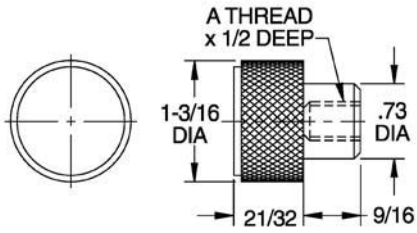
ADJUSTABLE-TORQUE KNOBS

KNOB: 1215 STEEL, BLACK OXIDE FINISH
SPRING: 17-7 PH STAINLESS STEEL





Knurled knob 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. Can be used as a controlled-torque nut, or as a thumb screw by installing a custom-made screw in the tapped hole.

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.

INCH

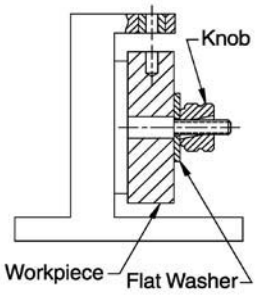
PART NO.	A	ADJUSTMENT RANGE	
		TORQUE (IN.-LBS)	END FORCE (LBS)*
CL-4-ATK	1/4-20	3-6	10-125
CL-5-ATK	5/16-18		10-125
CL-6-ATK	3/8-16		10-125
CL-8-ATK	1/2-13		10-125

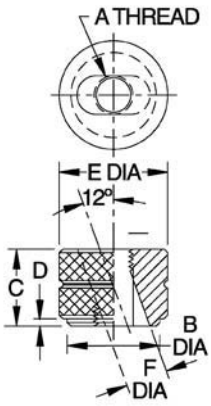
METRIC

PART NO.	A THREAD	THREAD PITCH (mm)	ADJUSTMENT RANGE	
			TORQUE (Nm)	END-FORCE (N)
CLM-6-ATK	M6	1	.3 - .7	50 - 550
CLM-8-ATK	M8	1.25	.3 - .7	50 - 550
CLM-10-ATK	M10	1.5	.3 - .7	50 - 550
CLM-12-ATK	M12	1.75	.3 - .7	50 - 550

QUICK-ACTING KNURLED KNOBS

1215 STEEL, BLACK OXIDE FINISH





INCH

PART NO.	A	B DIA	C	D	E DIA	F DIA
CL-1-QKK	#10-24	1/2	7/16	1/16	5/8	7/32
CL-2-QKK	1/4-20	5/8	9/16		3/4	9/32
CL-3-QKK	5/16-18	3/4	5/8		7/8	11/32
CL-4-QKK	3/8-16	7/8	3/4	1/8	1	13/32
CL-5-QKK	1/2-13	1			1-1/8	17/32

METRIC

PART NO.	A THREAD	THREAD PITCH (mm)	B DIA (mm)	C (mm)	D (mm)	E DIA (mm)	F DIA (mm)
CLM-5-QKK	M5	.8	13	11	2	16	6
CLM-6-QKK	M6	1	16	14		19	7
CLM-8-QKK	M8	1.25	19	16		22	9
CLM-10-QKK	M10	1.5	22		3	25.5	10.5

Quick-acting knob that slides in and out of clamping position, ideal when the knob must be completely removed for loading. Tilt knob to slide in, then straighten to engage threads and tighten. To remove, loosen knob, then tilt to slide out. For full strength, use a stud that extends slightly beyond the knob, to engage all threads.