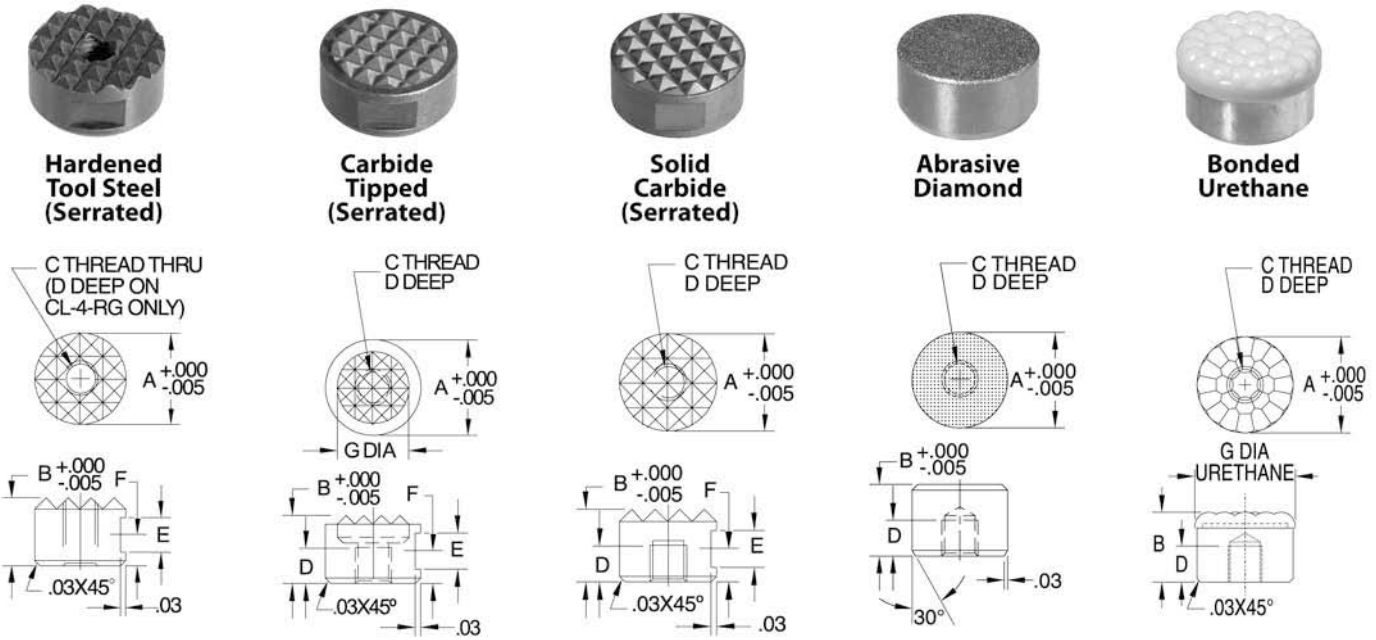
ROUND GRIPPERS

HARDENED TOOL STEEL: M-2 TOOL STEEL, HEAT TREATED RC 60-62, BLACK OXIDE FINISH
CARBIDE TIPPED: ALLOY STEEL, HEAT TREATED, WITH BRAZED CARBIDE INSERT, BLACK OXIDE FINISH
SOLID CARBIDE: CARBIDE WITH STEEL THREAD INSERT
ABRASIVE DIAMOND: 17-4PH STAINLESS STEEL, HEAT TREATED RC 43-46, WITH FUSED ABRASIVE DIAMOND SURFACE
BONDED URETHANE: 300-SERIES STAINLESS STEEL WITH BONDED URETHANE SURFACE



Round Grippers are replaceable inserts that provide additional holding force and/or wear resistance when installed in a fixture. Fasten from behind with a socket-head cap screw, or clamp with a setscrew on the O.D. locking flat (where provided). Grippers can be recess-mounted in a flat-bottom hole, or surface mounted to use as a rest pad. Round Grippers can also be installed in Gripper Swivel Pads and Gripper Swivel Contact Bolts.

Serrated grippers are designed to slightly penetrate the workpiece to significantly increase gripping force, rather than relying on static friction alone. The hardened-tool-steel version is the most economical and impact resistant. The carbide-tipped version is still economical and impact resistant while providing extra durability. The solid-carbide version is the most durable.

Abrasive-diamond grippers have an abrasive-diamond surface permanently fused to a hardened stainless steel pad. This abrasive surface, comparable to a 100-grit abrasive, provides significant holding force with relatively low clamping pressure and minimal surface marring. This diamond-particle surface also offers excellent wear resistance.

Bonded-urethane grippers have a urethane surface permanently bonded to a stainless steel pad. This non-marking, non-staining urethane provides excellent protection against damage to finished workpieces. The bubbled texture of the urethane surface offers firm gripping, yet allows air to escape so that no suction is created under load. Urethane also provides excellent wear resistance, and is available in three firmnesses to suit a wide variety of applications.

INCH

PART NO. HARDENED TOOL STEEL (SERRATED)	PART NO. CARBIDE TIPPED (SERRATED)	PART NO. SOLID CARBIDE (SERRATED)	PART NO. ABRASIVE DIAMOND	A DIA	B	C	D	E	F	G DIA	SERRATIONS		PART NO. BONDED URETHANE	URETHANE B	URETHANE D	URETHANE G DIA
CL-4-RG	—	—	—	1/4	3/8	#8-32	3/16	—	—	—	Extra Fine	.094x90°	—	—	—	—
CL-6-RG	CL-6-RGT	—	CL-6-RGD	3/8		#10-32		3/16	11/64	5/16			CL-6-RGU-1*	1/2	1/4	.39
CL-8-RG	CL-8-RGT	CL-8-RGC	CL-8-RGD	1/2						3/8	Fine	.125x90°	CL-8-RGU-1*			.51
CL-10-RG	CL-10-RGT	CL-10-RGC	CL-10-RGD	5/8		1/4-28				1/2			CL-10-RGU-1*		3/8	.63
CL-12-RG	CL-12-RGT	CL-12-RGC	CL-12-RGD	3/4						5/8			CL-12-RGU-1*			.83
CL-16-RG	CL-16-RGT	—	CL-16-RGD	1						3/4			CL-16-RGU-1*			1.06

METRIC

PART NO.	A DIA (mm)	B (mm)	C THREAD	THREAD PITCH (mm)	D (mm)	E (mm)	F (mm)	SERRATIONS	SERRATION DIMENSIONS (mm)
CLM-10-RG	10	10	M5	.8	5	4.7	4.5	EXTRA FINE	2.4x90°
CLM-12-RG	12	10	M5	.8	5	4.7	4.5	FINE	3.2x90°
CLM-16-RG	16	10	M6	1	5	4.7	4.5	FINE	3.2x90°
CLM-20-RG	20	10	M6	1	5	4.7	4.5	FINE	3.2x90°
CLM-25-RG	25	10	M6	1	5	4.7	4.5	FINE	3.2x90°