

GRIPPER SWIVEL CONTACT

BODY AND GRIPPER SCREW: STEEL, CASE HARDENED, BLACK OXIDE FINISH SWIVEL BALL: 440C STAINLESS STEEL, HEAT TREATED. O-RING: RUBBER











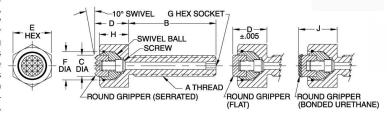






Tipped (Flat) Steel or Stainless, or Delrin® (Flat)

Threaded contact bolt with a built-in swivel ball to hold a Round Gripper. This swivel ball, held by a retaining ring, is removable to allow installing any of the eleven different gripper types (order gripper separately). A fastening screw is furnished with the contact bolt. This screw serves as a positive stop to prevent the ball from swiveling too far. Can be used as a contact bolt, or as a support. Available in thread sizes from 3/8-16 to 1"-8 (M10 to M24 in metric), most in a choice of several lengths.



BODY AND GRIPPER — ORDER SEPARATELY (INCH)

PART NO.			PART NO.	— ROUND	GRIPPER													
BODY WITHOUT GRIPPER	HARDENED TOOL STEEL (SERRATED)	CARBIDE TIPPED (SERRATED)	SOLID CARBIDE (SERRATED)	ABRASIVE DIAMOND		CARBIDE TIPPED (FLAT)	STEEL, SS, OR DELRIN® (FLAT)	A	В	C DIA	D	E	F DIA	G	н	J	SERI	RATIONS
CL-605-GSP CL-610-GSP CL-615-GSP	CL-6-RG	CL-6-RGT	_	CL-6-RGD	CL-6-RGU-1 CL-6-RGU-2 CL-6-RGU-3	CL-6-RGFT	CL-6-RGF CL-6-RGF-S CL-6-RGFN	3/8-16	1/2 1 1-1/2	3/8	5/8	5/8	1/2	1/8	1/2	3/4	Extra Fine	.094x90°
CL-810-GSP CL-815-GSP	-CL-8-RG	CL-8-RGT	CL-8-RGC	CL-8-RGD	CL-8-RGU-1 CL-8-RGU-2 CL-8-RGU-3	CL-8-RGFT	CL-8-RGF CL-8-RGF-S CL-8-RGFN	1/2-13	1-1/2	1/2	3/4	13/16	5/8	3/16	5/8	7/8		
CL-1010-GSP CL-1020-GSP	-CL-10-RG	CL-10-RGT	CL-10-RGC	CL-10-RGD	CL-10-RGU-1 CL-10-RGU-2 CL-10-RGU-3	CL-10- RGFT	CL-10-RGF CL-10-RGF-S CL-10-RGFN	5/8-11	1 2	5/8	13/16	15/16	3/4	1/4	11/16	15/16		425.00
CL-1210-GSP CL-1225-GSP	CL-12-RG	CL-12-RGT	CL-12-RGC		CL-12-RGU-1 CL-12-RGU-2 CL-12-RGU-3	CL-12- RGFT	CL-12-RGF CL-12-RGF-S CL-12-RGFN	3/4-10	1 2-1/2	3/4	7/8	1-1/8	7/8	5/16	3/4	1	Fine	.125x90°
CL-1620-GSP	CL-16-RG	CL-16-RGT	_	CL-16-RGD	CL-16-RGU-1 CL-16-RGU-2 CL-16-RGU-3	CL-16- RGFT	CL-16-RGF CL-16-RGF-S CL-16-RGFN	1″-8	2	1	1-1/8	1-1/2	1-1/8	3/8	1	1-1/4		

BODY AND	GRIPPER -	- ORDFR	SFPAF	RATFIY	(MFTRIC)

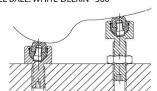
DOD! AND	SODI AND GRIFTER — ORDER SEFARATEET (METRIC)																	
				CLM-10-	CLM-10-RGU-1		CLM-10-RGF											
CLM-10-GSP CLM-10-RG	CLM-10-RG	CLM-10-RGT	-	RGD	CLM-10-RGU-2	_	CLM-10-RGF-S	10mm	.67	.866	M6 .	.29	.512	.71	.95	-	'	
				NGD	CLM-10-RGU-3		CLM-10-RGFN										'	
CLM-12-GSP CLM-12				CLM-12-	CLM-12-RGU-1		CLM-12-RGF										'	ĺ
	CLM-12-RG	CLM-12-RGT	-	RGD	CLM-12-RGU-2	-	CLM-12-RGF-S	10mm	.75	.945	M8	.33	.591	.79	1.02	-		
				KGD	CLM-12-RGU-3		CLM-12-RGFN										<u> </u>	
CLM-16-GSP		-RG CLM-16-RGT		CLM-16- RGD	CLM-16-RGU-1		CLM-16-RGF						.787	.95	1.18		Fine	
	CLM-16-RG		-		CLM-16-RGU-2	_	CLM-16-RGF-S	12mm	.94	1.102 N	M10	.35				_		.125x90°
					CLM-16-RGU-3		CLM-16-RGFN											
				CLM-20-	CLM-20-RGU-1		CLM-20-RGF										'	
CLM-20-GSP	CLM-20-RG	CLM-20-RGT	10	RGD	CLM-20-RGU-2	_	CLM-20-RGF-S	16mm	1.18	1.181	M12	.33	.906	1.02	1.26	_	'	
				NGD	CLM-20-RGU-3		CLM-20-RGFN											
				CLM-25-	CLM-25-RGU-1		CLM-25-RGF	M-25-RGF									'	
CLM-25-GSP	CLM-25-RG	CLM-25-RGT	-	RGD	CLM-25-RGU-2		CLM-25-RGF-S	20mm	1.42	1.42	M12	A12 .47 1.	1.102	1.26	1.50	_	'	
				NOD	CLM-25-RGU-3		CLM-25-RGFN										'	1

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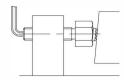


GRIPPER SWIVEL CONTACT BOLTS

BODY: STEEL, CASE HARDENED, BLACK OXIDE FINISH O-RING: RUBBER SERRATED SWIVEL BALL: HIGH-SPEED TOOL STEEL, BLACK OXIDE FINISH FLAT SWIVEL BALL: STEEL, HARDENED, BLACK OXIDE FINISH FLAT DELRIN® SWIVEL BALL: WHITE DELRIN® 500



Gripper Swivel Contact Bolts are ideal as either fixed or adjustable supports under workpieces with curved or sloped surfaces.



Gripper Swivel Contact Bolts can also be used as screw clamps by turning them with a hex wrench (large sizes only).



Hardened Tool Steel (Serrated)



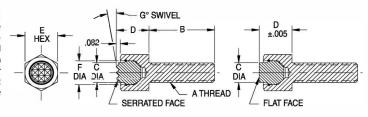


Hardened Steel (Flat)



Mini Sizes

Mini threaded contact bolt with a built-in swivel ball held by a retaining ring. Choose from the three gripper types shown, serrated or flat. The gripper face is machined directly on the swivel ball. A positive stop prevents the ball from swiveling too far. Can be used as a contact bolt, or as a support. Available in thread sizesfrom #10-32 to 5/16-18 (M6 to M8 in metric), most in a choice of several lengths.



MINI — COMPLETE ASSEMBLY (INCH)

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P/												
HARDENED TOOL STEEL (SERRATED)	HARDENED STEEL (FLAT)	DELRIN® (FLAT)	A	В	C DIA	D	E	F DIA	G	SERRA	TIONS	
CL-305-GSB	CL-305-GBF	CL-305-GBFN	#10-32	1/2	5/32	5/16	3/8	3/16		Super		
CL-405-GSB	CL-405-GBF	CL-405-GBFN		1/2							062 000	
CL-410-GSB	CL-410-GBF	CL-410-GBFN	1/4-20	1/4-20	1	1/4	3/8	7/16	9/32		Fine	.062x90°
CL-415-GSB	CL-415-GBF	CL-415-GBFN		1-1/2					14º			
CL-505-GSB	CL-505-GBF	CL-505-GBFN		1/2						Fisher		
CL-510-GSB	CL-510-GBF	CL-510-GBFN	5/16-18	1	5/16	7/16	1/2	3/8		Extra Fine	.094x90°	
CL-515-GSB	CL-515-GBF	CL-515-GBFN		1-1/2						rine		

MINI — COMPLETE ASSEMBLY (METRIC)

William Colvin	LLILASSI									
PART NO.	A THREAD	THREAD PITCH (mm)	B (mm)	C DIA (mm)	D (mm)	E (mm)	F DIA (mm)	G	SERRATIONS	SERRATION DIMENSIONS (mm)
CLM-612-GSB	M6	1	12	6	9.5	10	7	14°	SUPER FINE	1.6x90°
CLM-625-GSB	M6	1	25	6	9.5	10	7	14°	SUPER FINE	1.6x90°
CLM-640-GSB	M6	1	40	6	9.5	10	7	14°	SUPER FINE	1.6x90°
CLM-812-GSB	M8	1.25	12	8.5	13	13	10	12°	EXTRA FINE	2.4x90°
CLM-825-GSB	M8	1.25	25	8.5	13	13	10	12°	EXTRA FINE	2.4x90°
CLM-840-GSB	M8	1.25	40	8.5	13	13	10	12°	EXTRA FINE	2.4x90°

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