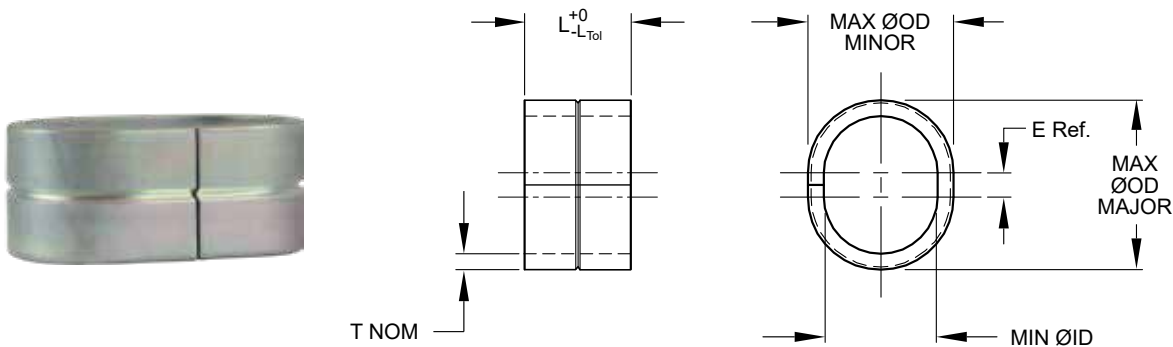




MOULDED-IN – OVAL COMPRESSION LIMITERS

Series CL460



MATERIAL

B High Carbon Steel

FINISH

T Trivalent Zinc Plated

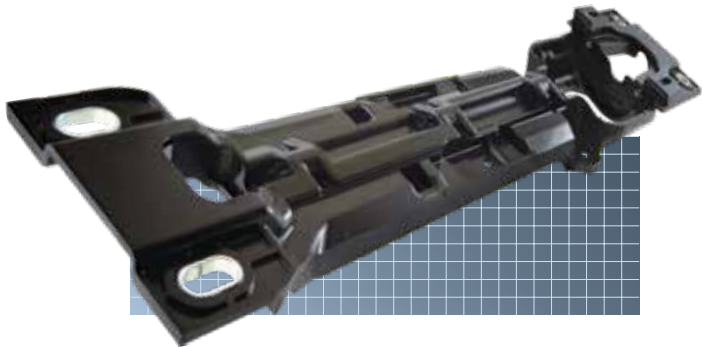
DIMENSIONAL DATA

NOMINAL BOLT SIZE ▶		M6	M8
Min. ØID		6.8	8.8
Wall Thickness “T”		1.10	1.50
Elongation “E”		2.25	2.25
Length Tolerance “L _{Tol} ”		0.15	0.20
Max. Outer Diameter ØOD Major		11.65	14.50
Max. Outer Diameter ØOD Minor		9.40	12.25
LENGTH	6		
	8		
	10		
	12		
	15		

- All dimensions apply prior to plating.
- CL460 rated for use up to ISO Class 8.8 bolts.
- Special lengths and inch sizes available upon request.

SPIROL® Oval Moulded-In Compression Limiters

can be moulded in using industry standard core pins.



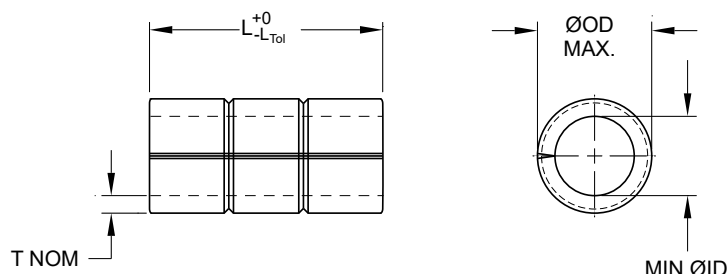
To Order: CMPL, Nominal Bolt Diameter, Length, Material, Finish, Series

Example: CMPL 8 X 10 BT CL460



MOULDED-IN COMPRESSION LIMITERS

Series CL500



Parts less than 20mm (.750") long will have a single groove.

MATERIAL

F Low Carbon Steel

FINISH

T Trivalent Zinc Plated

DIMENSIONAL DATA

NOMINAL BOLT SIZE ▶		M6	M8
Min. ØID		6.8	8.8
Wall Thickness "T"		1.50	2.00
Length Tolerance "L _{Tol} "		0.15	0.20
Outer Diameter ØOD Max.		10.25	13.25
LENGTH	10		
	12		
	15		
	20		
	25		

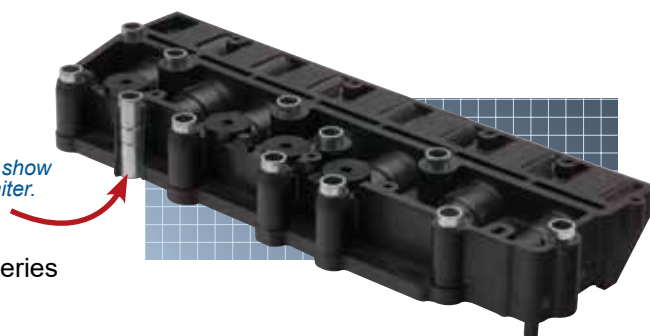
NOMINAL BOLT SIZE ▶		#10	1/4	5/16
Min. ØID		.221	.281	.344
Wall Thickness T		.043	.059	.078
Length Tolerance "L _{Tol} "		.006	.006	.008
Outer Diameter ØOD Max.		.323	.417	.518
LENGTH	.312			
	.375			
	.500			
	.625			
	.750			
	1.000			

- All dimensions apply prior to plating.
- CL500 rated for use up to ISO Class 8.8/Grade 5 bolts.
- Special lengths and sizes available upon request.

SPIROL® Moulded-In Compression Limiters

can be moulded in using industry standard core pins.

*Plastic removed to show
Compression Limiter.*



To Order: CMPL, Nominal Bolt Size x Length, Material, Finish, Series

Example: CMPL 6 X 20 FT CL500

Technical Centres

Europe SPIROL United Kingdom
17 Princewood Road
Corby, Northants
NN17 4ET United Kingdom
Tel: +44 (0) 1536 444800
Fax: +44 (0) 1536 203415

SPIROL France
Cité de l'Automobile ZAC Croix Blandin
18 Rue Léna Bernstein
51100 Reims, France
Tel: +33 (0) 3 26 36 31 42
Fax: +33 (0) 3 26 09 19 76

SPIROL Germany
Ottostr. 4
80333 Munich, Germany
Tel: +49 (0) 89 4 111 905 71
Fax: +49 (0) 89 4 111 905 72

SPIROL Spain
Plantes 3 i 4
Gran Via de Carles III, 84
08028, Barcelona, Spain
Tel/Fax: +34 932 71 64 28

SPIROL Czech Republic
Evropská 2588 / 33a
160 00 Prague 6-Dejvice
Czech Republic
Tel: +420 226 218 935

SPIROL Poland
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00-394, Warsaw, Poland
Tel. +48 510 039 345

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Tel. +1 860 774 8571
Fax. +1 860 774 2048

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Fax. +1 330 920 3659

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Seocho-gu, Seoul, 06619, South Korea
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Coiled Spring Pins



Slotted Spring Pins



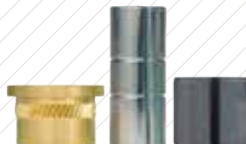
Solid Pins



Alignment Dowels / Bushings



Spacers & Rolled Tubular Components



Compression Limiters



Threaded Inserts for Plastics



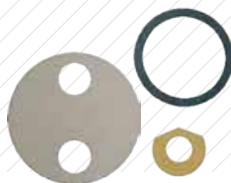
Railroad Nuts



Disc Springs



Precision Shims & Thin Metal Stampings



Precision Washers



Parts Feeding Technology



Pin Installation Technology



Insert Installation Technology



Compression Limiter Installation Technology

Please refer to www.SPIROL.co.uk for current specifications and standard product offerings.

SPIROL offers complimentary Application Engineering support! We will assist on new designs as well as help resolve issues, and recommend cost savings on existing designs. Let us help by visiting **Application Engineering Services** on SPIROL.co.uk.

e-mail: info-uk@spirol.com

SPIROL.co.uk