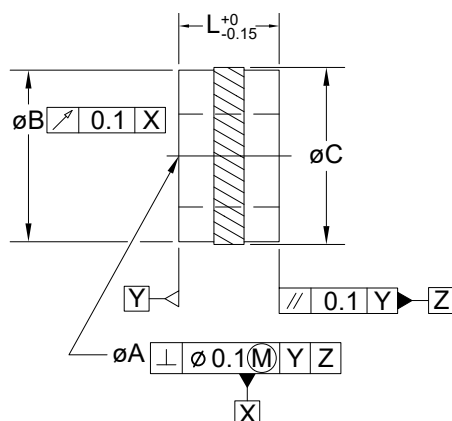


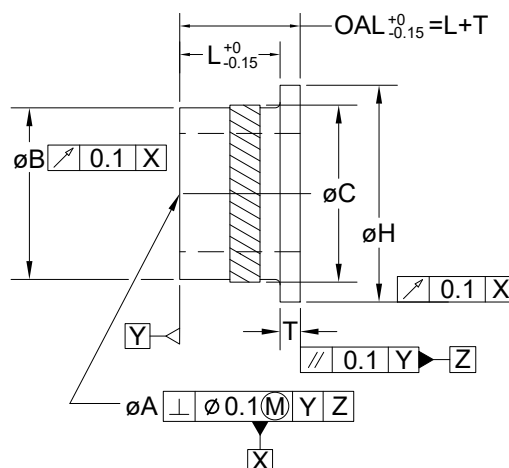
Series CL6000

Knurled



Series CL6100

Headed



MATERIAL

A Aluminium

FINISH

K Plain

DIMENSIONAL DATA

NOMINAL BOLT SIZE ▶	M3	M4	M5	M6	M8	M10
Inner Diameter ØA	4.05/4.15	5.05/5.15	6.05/6.15	7.05/7.15	9.05/9.15	11.05/11.15
Body Diameter ØB	5.42/5.58	6.95/7.11	8.47/8.63	10.00/10.16	13.36/13.52	16.72/16.88
Knurl Diameter ØC Nom.	5.83	7.38	8.88	10.43	13.78	17.13
Head Diameter ØH	7.35/7.60	8.95/9.20	10.55/10.80	12.15/12.40	15.35/15.60	18.95/19.20
Head Thickness "T" Ref.	1.00	1.00	1.00	1.25	1.25	1.25
Recommended Ø Hole Size	5.61/5.69	7.14/7.22	8.64/8.72	10.19/10.27	13.54/13.62	16.89/16.97
LENGTH	3					
	4					
	5					
	6					
	8					

- CL6000 / CL6100 rated for use up to ISO Class 10.9 bolts.
- The knurl will always be larger than the maximum hole.
- Additional diameters and special lengths available upon request.
- Available in inch sizes - made to order.

SPIROL® Knurled CL6000 and CL6100 Compression Limiters

are perfect for press-in and moulded-in applications - including highly automated assembly processes.

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

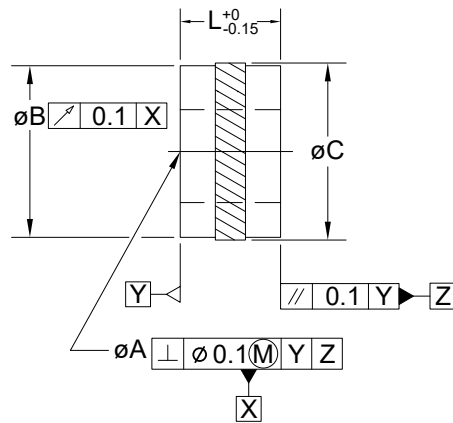
Example: CMPL 6 X 8 AK CL6100





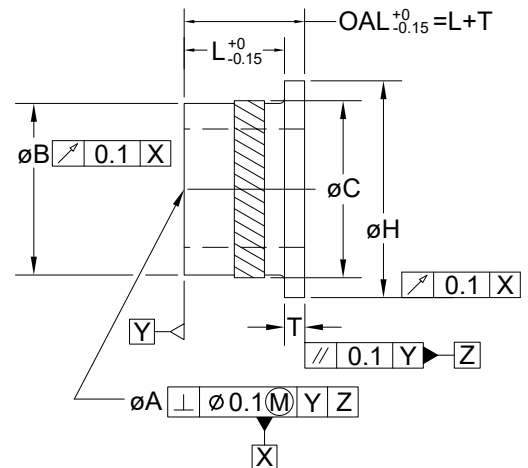
Series CL8000

Knurled



Series CL8100

Headed



MATERIAL

E Brass

FINISH

K Plain

DIMENSIONAL DATA

NOMINAL BOLT SIZE	M3	M4	M5	M6	M8	M10
Inner Diameter ØA	4.05/4.15	5.05/5.15	6.05/6.15	7.05/7.15	9.05/9.15	11.05/11.15
Body Diameter ØB	6.03/6.19	7.56/7.72	9.09/9.25	10.92/11.08	14.58/14.74	17.95/18.11
Knurl Diameter ØC Nom.	6.45	7.97	9.50	11.34	15.01	18.36
Head Diameter ØH	7.75/8.00	9.35/9.60	10.95/11.20	13.35/13.60	17.35/17.60	20.45/20.70
Head Thickness "T" Ref.	1.00	1.00	1.00	1.25	1.25	1.25
Recommended Ø Hole Size	6.22/6.30	7.73/7.81	9.26/9.34	11.10/11.18	14.77/14.85	18.12/18.20
LENGTH	3					
	4					
	5					
	6					
	8					

- CL8000 / CL8100 rated for use up to ISO Class 10.9 bolts.
- The knurl will always be larger than the maximum hole.
- Additional diameters and special lengths available upon request.
- Available in inch sizes - made to order.

SPIROL® Knurled CL8000 and CL8100 Compression Limiters

are perfect for press-in and moulded-in applications - including highly automated assembly processes.

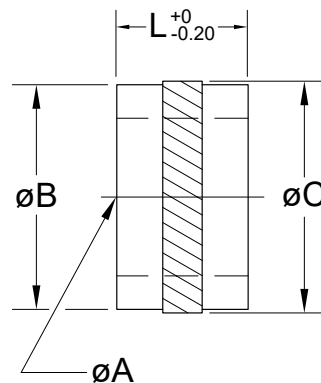
To Order: CMPL, Nominal Bolt Size x Length, Material, Finish, Series

Example: CMPL 5 X 6 EK CL8000



Series CL620

Knurled



MATERIAL

A Aluminium

FINISH

K Plain

DIMENSIONAL DATA

NOMINAL BOLT SIZE ►		M3	M4	M5	M6	M8
Inner Diameter ØA		4.05/4.15	5.05/5.15	6.05/6.15	7.05/7.15	9.05/9.15
Body Diameter ØB		5.42/5.58	6.95/7.11	8.47/8.63	10.00/10.16	13.36/13.52
Knurl Diameter ØC Nom.		5.78	7.32	8.82	10.38	13.72
Recommended Ø Hole Size		5.60/5.68	7.13/7.21	8.64/8.72	10.18/10.26	13.53/13.61
LENGTH	3					
	4					
	5					
	6					
	8					

- CL620 rated for use up to ISO Class 10.9 bolts.
- The knurl will always be larger than the maximum hole.
- Additional diameters and special lengths available upon request.
- Brass alternative available - made to order with alternate dimensions.

SPIROL® Knurled CL620 Compression Limiters

can be either pressed-in or overmoulded into the assembly.



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

Example: CMPL 6 X 8 AK CL620

Technical Centres

Europe SPIROL United Kingdom
17 Princewood Road
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SPIROL France
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18 Rue Léna Bernstein
51100 Reims, France
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Fax: +33 (0) 3 26 09 19 76

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08028, Barcelona, Spain
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SPIROL Czech Republic
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Czech Republic
Tel: +420 226 218 935

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Coiled Spring Pins



Slotted Spring Pins



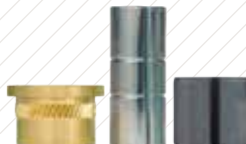
Solid Pins



**Alignment Dowels /
Bushings**



**Spacers & Rolled
Tubular Components**



**Compression
Limiters**



**Threaded Inserts
for Plastics**



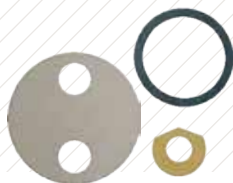
Railroad Nuts



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.

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