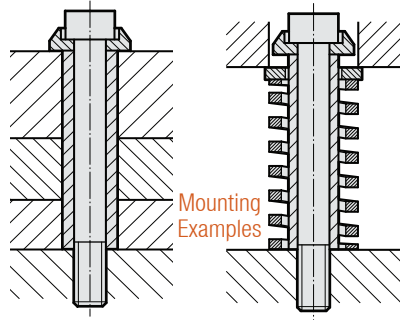


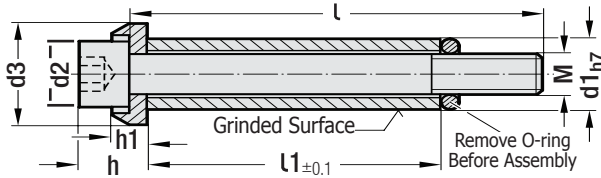
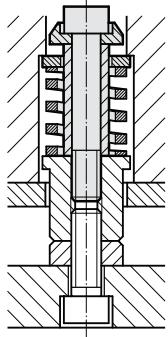


Code: G146

### Spring and Spacer Unit



Mounting Examples



**Spring and Spacer Unit:** Since it is ground, it provides very precision length setting that can be adjusted. Different usage types can be created (reference: mounting examples). External diameter is ground at h7 tolerance. It is with cylinder head cap screw. O-ring should be removed before mounting.

**Tensile Force:** 1200 -1300 n / mm<sup>2</sup>

Code: G146

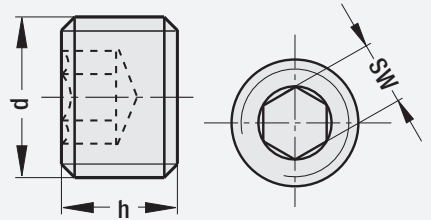
d1 Ø	M (g6)	l1 mm	l mm	d2 mm	d3 Ø	h mm	h1 mm
10	M6	20	35	10	15	10	5.5
		25	40				
		30	45				
		35	50				
		40	55				
		45	60				
		50	65				
		55	70				
		60	80				
		70	90				
12.5	M8	30	45	13	19	13	6.5
		35	50				
		40	55				
		45	60				
		50	65				
		55	70				
		60	80				
		70	90				
		80	100				
		90	110				
15	M10	30	50	16	23	15	7.5
		35	55				
		40	60				
		45	65				
		50	70				
		55	75				
		60	80				

d1 Ø	M (g6)	l1 mm	l mm	d2 mm	d3 Ø	h mm	h1 mm						
15	M10	70	90	16	23	15	7.5						
		80	100										
		90	110										
		100	120										
		120	140										
		17.5	M12					40	60	18	27	18	9
								45	65				
50	70												
55	80												
60	90												
70	100												
80	110												
90	120												
100	130												
110	140												
23	M16	50	80	24	34	24	11						
		60	90										
		70	100										
		80	110										
		90	120										
		100	130										
		110	140										
		120	150										
		140	180										
		150	180										
160	200												

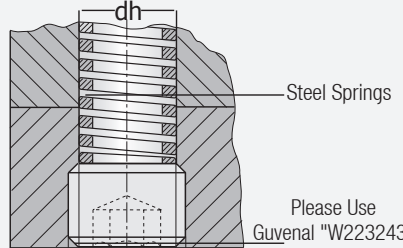


Code: G145

### Compression Spring Set Screw



These products can be used as adjustable spring stoppers. Spring tension can be adjusted from bottom plug (set screw) with allen without doing any dismantles process. Steel springs can be changed from bottom plug (set screw) slot without dismantling die / mould. Open hole should be created instead of blind hole to place spring.



Please Use Guvenal "W223243" for Thread Locker

Code: G145

d (thread)	Spring Dia.	dh (slot)	h	SW
M12 x 1.5	10	10.5	10	6
M14 x 1.5	12.5	12.5	10	6
M18 x 1.5	16	16.5	10	8
M22 x 1.5	20	20.5	10	8
M28 x 1.5	25	26.5	12	10
M35 x 1.5	32	33.5	12	10
M42 x 1.5	40	40.5	12	10

Order: **G146. M x d1 x l1**

Order Example: **G146. M10 x 15 x 80**

Material: Cyl.Head Cap Screw / 12.9  
Tube: 1.7131 (58 HRC)

Order: **G145. d**

Material: 1.0503 (C45)