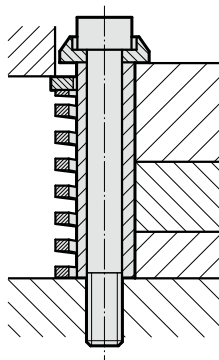


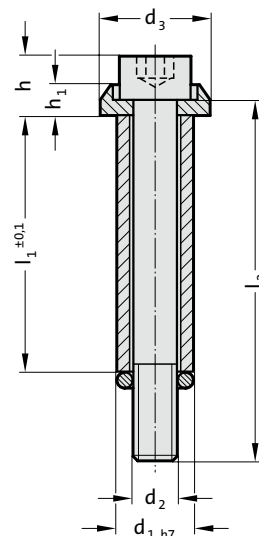
SPRING AND SPACER UNIT



Mounting example



244.16.



Description:

These units can be used as an alternative to shoulder screws.

Advantages:

Precision length adjustments by way of grinding. The units have many uses – as can be seen from the installation examples below.

Material:

Spacer tube: Steel, hardened

Socket cap screw DIN EN ISO 4762 (12.9)

Execution:

Outside diameter ground

Tolerance: h_7

Note:

The units are supplied with a retaining O-ring **wich must be removed before application.**

244.16. Spring and spacer unit

d_1	10	12.5	15	17.5	23	25
d_2	M6	M8	M10	M12	M16	M16
Tightening torque [Nm]	13	32	65	120	290	290
d_3	15	19	23	27	34	40
h	10	13	15	18	24	24
h_1	5.5	6.5	7.5	9	11	11
l_1	l_2					
20	35	35				
25	40					
30	45	45	50	50		
35	50	50	55			
40	55	55	60	60		
45	60	60	65	65		
50	65	65	70	70	80	
55	70	70 80	75	80		
60	80	80	80 90	90	90	
70	90	90	90 100	100	100	
80	100	100	100 110	110 115 120	110 125 130	110
90	110	110	110	120	120	120
100	120	120	120	130 135 140	130 140 145	130
110				140	140 150	
120			140	150	150 160	
140				180	180	
150					180	
160					200	

Ordering Code (example):

Spring and spacer unit	=244.16.
Nominal diameter d_1	15 mm = 150.
Length l_1	100 mm = 100.
Screw length l_2	120 mm = 120
Order No	=244.16. 150.100. 120