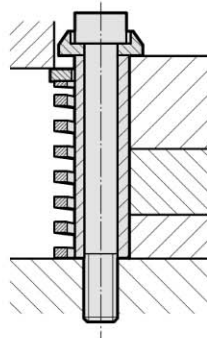
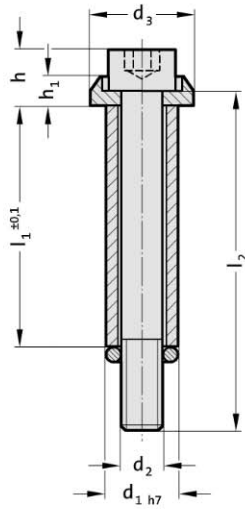




# Spring and spacer unit

244.16.

## Mounting example

**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	110 125	110
90	110	110	110	120	120	120
100	120	120	120	130 135	130 145	130
110				140	140	
120			140	150	150	
140				180	180	
150					180	
160					200	

**Ordering Code (example):**

Spring and spacer unit	=244.16.	
Nominal diameter $d_1$	15 mm =	150.
Length $l_1$	80 mm =	080.
Screw length $l_2$	100 mm =	100
Order No	=244.16. 150.080.100	