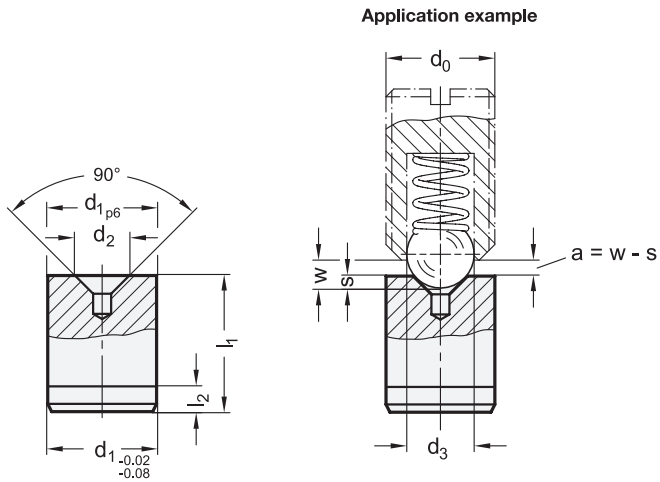

1 d_1 p6	2 d_2	d_3 Ball-Ø spring plunger	l_1 ±0,05	l_2	s ≈ Indentation depth of the ball into the recess for d_0							w Compression
					GN 615 GN 615.2 GN 615.3 GN 615.5 GN 815 GN 815.1	GN 615.8 GN 615.9	GN 614 GN 614.2 GN 614.5	GN 614.3	GN 614.8	GN 615.1 GN 615.4	GN 616 GN 616.1	
4	1,8	see spring plunger	5	1,5	M 4=0,4	M 6=0,4	Ø 3=0,4	Ø 3,5=0,4	Ø 5=0,4	M 5=0,4	M 5=0,4	see spring plunger
6	2,5		8	1,5	M 5=0,7 M 6=0,5	M 8=0,5	Ø 4=0,7 Ø 5=0,4	Ø 4 =0,7 Ø 5 =0,5	Ø 6=0,5	M 6=0,8 M 8=0,5	M 6=0,8 M 8=0,5	
8	3,5		10	2	M 8=0,8	M 10=0,8	Ø 6=0,7	Ø 6 =0,8	Ø 8=1,5	M 10=0,8	M 10=1	
10	4,5		12	2	M 10=1	M 12=0,9	Ø 8=0,9	Ø 8 =1	Ø 10=0,9	M 12=1	M 12=1	
12	6		14	2,5	M 12=1,4	M 16=1,2	Ø 10=1,4	Ø 10 =1,4	Ø 12=1,2	M 16=1,2	M 16=1,5	
16	7,5		18	2,5	M 16=1,7	-	Ø 12=1,7	Ø 12 =1,7	-	M 20=1,7	M 20=1,7	
20	8,5		22	3	M 20=1,8	-	-	-	-	M 24=1,6	-	

Specification

- Steel
  Hardened and ground
- *ISO Fundamental Tolerances → Page 2151*
- RoHS

Information

Ball buttons GN 249.1 are mainly used with spring plungers when low wear and exact positioning are needed.

To achieve optimal locking of the spring plungers, the maximum distance **a** between the ball button and the spring plunger should not be exceeded. The maximum distance **a** is calculated from the difference between the compression **w** of the selected plunger and the indentation depth **s** of the ball in the recess.

These ball buttons are especially recommended for use with spring plungers with high spring loads.

How to order		
GN 249.1-10-4,5 (1 2)	1	d_1
	2	d_2