



**3 Type**  
**WK** Stainless steel-PTFE /  
 Stainless steel  
 self lubricated

<b>1</b> $d_1$ H7	<b>2</b> $d_2$ h6	$b_1$ -0,2	$b_2$	$w$ Movement angle
5	13	8	6	13°
6	16	9	6,75	13°
8	19	12	9	14°
10	22	14	10,5	13°
12	26	16	12	13°
14	28*	19	13,5	16°
16	32	21	15	15°
18	35	23	16,5	15°
20	40	25	18	14°
22	42	28	20	15°
25	47	31	22	15°
30	55	37	25	17°

\* In deviation from DIN ISO 12240-1

### Specification

- Pairing  
 Type WK (self lubricated)
  - Bearing socket  
 Stainless steel AISI 316Ti  
 with PTFE insert
  - Internal ring  
 Stainless steel AISI 420  
 Hardened, ground, polished
- ISO Fundamental Tolerances → Page 2151
- RoHS

### Information

Stainless steel ball joints GN 648.9 are similar to DIN ISO 12240-1, series K.

In deviation from the official standard sheet, the ball joints of size  $d_1=14$  are delivered with an outer diameter of  $d_2=28$  (in place of  $d_2=29$ ).

These stainless steel ball joints are integrated in the stainless steel ball joint heads GN 648.5 and GN 648.6.

see also...

- More Information to Ball Joints as well as Load Capacity → Page 1654
- Stainless Steel Ball Joint Heads with Internal Thread GN 648.5  
 → Page 1658
- Stainless Steel Ball Joint Heads with Threaded Bolt GN 648.6  
 → Page 1659

How to order

**GN648.9-8-19-WK**

- 1**  $d_1$
- 2**  $d_2$
- 3** Type

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9

