



3 Type

- N** Bronze / Steel, lubrication possible
W Steel PTFE / Steel, self lubricated

1

2

d_1 H7	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

- Pairings
 - Type N (lubrication possible)
 - Bearing socket
Brass, CuSn8
 - Internal ring
Steel 100 Cr6
Hardened, ground, polished
 - Type W (self lubricated)
 - Bearing socket
Steel, zinc plated
with PTFE insert
 - Internal ring
Steel, 100Cr6
Hardened, ground, polished

• ISO Fundamental Tolerances → Page 2151

• RoHS

Information

Ball joints GN 648.8 are similar to DIN ISO 12240-4, 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 ball joints are integrated in the ball joint heads GN 648.1 and GN 648.2.

see also...

- More Information to Ball Joints as well as Load Capacity → Page 1654
- Ball Joint Heads with Internal Thread GN 648.1 → Page 1656
- Ball Joint Heads with Threaded Bolt GN 648.2 → Page 1657

How to order

GN 648.8-16-32-W

1	d_1
2	d_2
3	Type