



Type N lubrication possible

Type W self lubricated

d1	d2				b1	b2	d3	d4	d5	d6	l1	l2	A/F	t	w
H7			Left hand thread	CETOP-connector dimension	-0,12										
5	M 5	M 5L	M 4	8	6	7,7	18	9	11	27	36	9	10	13	
6	M 6	M 6L	-	9	6,75	8,9	20	10	13	30	40	11	12	13	
8	M 8	M 8L	-	12	9	10,4	24	12,5	16	36	48	13	16	14	
10	M 10	M 10L	M 10x1,25	14	10,5	12,9	28	15	19	43	57	17	20	13	
12	M 12	M 12L	M 12x1,25	16	12	15,4	32	17,5	22	50	66	19	22	13	
14	M 14	M 14L	-	19	13,5	16,8	36	20	25	57	75	22	25	16	
16	M 16	M 16L	M 16x1,5	21	15	19,3	42	22	27	64	85	22	28	15	
18	M 18x1,5	M 18x1,5L	-	23	16,5	21,8	46	25	31	71	94	27	32	15	
20	M 20x1,5	M 20x1,5L	-	25	18	24,3	50	27,5	34	77	102	32	33	14	
22	M 22x1,5	M 22x1,5L	-	28	20	25,8	54	30	37	84	111	32	37	15	
25	M 24x2	M 24x2L	-	31	22	29,6	60	33,5	42	94	124	36	42	15	

Specification

Housing
Steel
zinc plated, blue passivated
d1 = 5 up to 12: machined
d1 = 14 up to 25: forged

Internal ring
Steel 100 Cr6
hardened, ground, polished

Bearing socket
Type N
Brass, CuZn40Al1

Type W
Steel, zinc plated
with PTFE-insert

ISO-Fundamental
Tolerances

Information

Ball joints GN 648.1 (photo page 774) are similar to DIN ISO 12240-4, series K (formerly DIN 648 K).

Ball joints DIN ISO 12240-4, series E (narrow model) on request.

Further information regarding ball joints as well as load capacity [Page 775](#)

Stainless Steel-Ball joints GN 648.5 (with female thread) [Page 778](#)

How to order

Ball joint
with female thread
GN 648.1-16-M16x1,5-N

Code No.	d1	d2	Type
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