

Ball Joint Heads

Stainless Steel, with Internal Thread

SPECIFICATION

Types (pairings)

- Type **NH**: Bronze / Steel lubrication possible
- Type **WH**: Bronze-PTFE / Steel self lubricated
- Type **WK**: Stainless Steel-PTFE / Stainless Steel, self lubricated

Housing Stainless Steel AISI 431
forged, polished

Pairings

Type NH (lubrication possible)
Bearing socket Bronze CuSn8

Internal ring Steel 100 Cr6
hardened, ground, polished

hard chrome plated

Type WH (self lubricated)
Bearing socket Bronze CuSn8
with PTFE-insert

Internal ring Steel 100Cr6
hardened, ground, polished

hard chrome plated

Type WK (self lubricated)
Bearing socket, Stainless Steel
AISI 316Ti with PTFE-insert

Internal ring
Stainless Steel AISI 420
hardened, ground, polished

INFORMATION

Ball joint heads GN 648.5 are similar to DIN ISO 12240-4, series K (formerly DIN 648 K).

- More information to ball joints as well as load capacity (see page 1134)

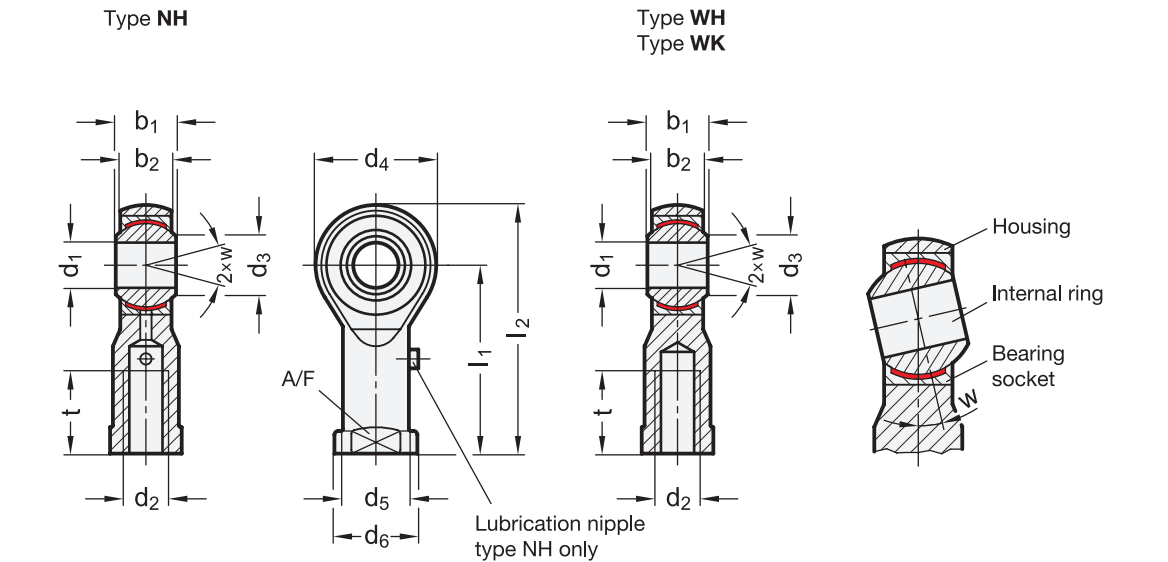
ON REQUEST

- narrow model (ISO 12240-1, series E)

TECHNICAL INFORMATION

- ISO-Fundamental Tolerances (see page A21)
- Stainless Steel characteristics (see page A26)





* Complete with type index of the Ball joint heads

NH	WH	WK
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GN 648.5

STAINLESS STEEL

Description	d1 H7	d2	b1 -0.12	b2	d3	d4	d5	d6	l1	l2	A/F	t	w	°
GN 648.5-5-M5-*	5	M 5	8	6	7.7	18	9	11	27	36	9	10	13°	19
GN 648.5-5-M5L-*	5	M 5L	8	6	7.7	18	9	11	27	36	9	10	13°	19
GN 648.5-6-M6-*	6	M 6	9	6.75	8.9	20	10	13	30	40	11	12	13°	26
GN 648.5-6-M6L-*	6	M 6L	9	6.75	8.9	20	10	13	30	40	11	12	13°	26
GN 648.5-8-M8-*	8	M 8	12	9	10.4	24	12.5	16	36	48	13	16	14°	48
GN 648.5-8-M8L-*	8	M 8L	12	9	10.4	24	12.5	16	36	48	13	16	14°	47
GN 648.5-10-M10-*	10	M 10	14	10.5	12.9	28	15	19	43	57	17	20	13°	76
GN 648.5-10-M10L-*	10	M 10L	14	10.5	12.9	28	15	19	43	57	17	20	13°	75
GN 648.5-12-M12-*	12	M 12	16	12	15.4	32	17.5	22	50	66	19	22	13°	112
GN 648.5-12-M12L-*	12	M 12L	16	12	15.4	32	17.5	22	50	66	19	22	13°	111
GN 648.5-14-M14-*	14	M 14	19	13.5	16.8	36	20	25	57	75	22	25	16°	165
GN 648.5-14-M14L-*	14	M 14L	19	13.5	16.8	36	20	25	57	75	22	25	16°	163
GN 648.5-16-M16-*	16	M 16	21	15	19.3	42	22	27	64	85	22	28	15°	227
GN 648.5-16-M16L-*	16	M 16L	21	15	19.3	42	22	27	64	85	22	28	15°	225
GN 648.5-18-M18x1.5-*	18	M 18 x 1.5	23	16.5	21.8	46	25	31	71	94	27	32	15°	309
GN 648.5-18-M18x1.5L-*	18	M 18 x 1.5L	23	16.5	21.8	46	25	31	71	94	27	32	15°	308
GN 648.5-20-M20x1.5-*	20	M 20 x 1.5	25	18	24.3	50	27.5	34	77	102	32	33	14°	401
GN 648.5-20-M20x1.5L-*	20	M 20 x 1.5L	25	18	24.3	50	27.5	34	77	102	32	33	14°	400
GN 648.5-22-M22x1.5-*	22	M 22 x 1.5	28	20	25.8	54	30	37	84	111	32	37	15°	517
GN 648.5-22-M22x1.5L-*	22	M 22 x 1.5L	28	20	25.8	54	30	37	84	111	32	37	15°	517
GN 648.5-25-M24x2-*	25	M 24 x 2	31	22	29.6	60	33.5	42	94	124	36	42	15°	734
GN 648.5-25-M24x2L-*	25	M 24 x 2L	31	22	29.6	60	33.5	42	94	124	36	42	15°	732
GN 648.5-30-M30x2-*	30	M 30 x 2	37	25	34.8	70	40	51	110	145	41	51	17°	1130
GN 648.5-30-M30x2L-*	30	M 30 x 2L	37	25	34.8	70	40	51	110	145	41	51	17°	1130

Weight type NH | L - Left-hand thread