Ball Joints

Steel / Stainless Steel

SPECIFICATION

Types

- Type **KS**: Ball with threaded stud
- Type **KI**: Ball with internal thread

Identification no.

- No. **1**: Mounting socket with internal thread
- No. **2**: Mounting socket with external thread

Steel
Zinc plated, blue passivated

Stainless steel AISI 303 **NI**

Brake piece
Plastic
Polyacetal POM

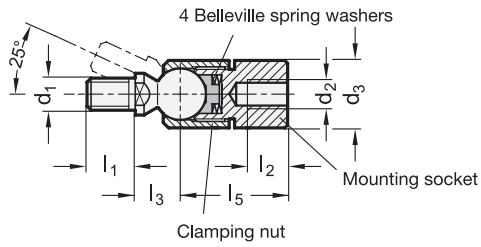
INFORMATION

The clamping nut of the ball joints GN 782 can be set to give a required thrust on the Belleville spring washers in order to increase the resistance to the ball movement.
At the same time the Belleville spring washers act as safety washers for the screws.
Once the max. thrust to the Belleville spring washers is reached the ball arm is firmly immobilised in position over the clamping nut and screw. The maximum tightening torque specified in the table may not be exceeded.

TECHNICAL INFORMATION

- Plastic Characteristics (see page A2)
- Stainless Steel Characteristics (see page A26)

Version **KS-1**



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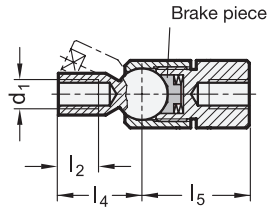

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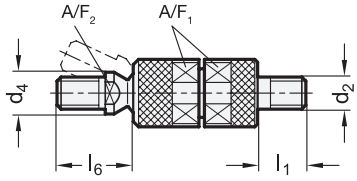

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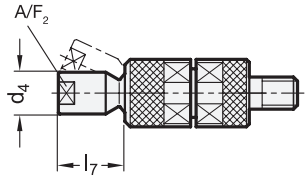

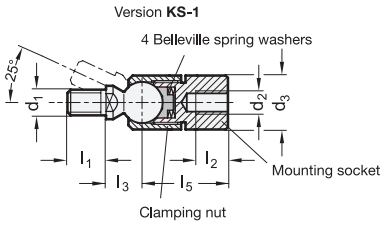

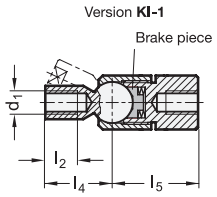

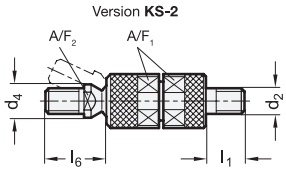

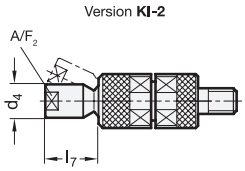

GN 782-KS-ST

Description	d1	d2	d3	d4	l1	l2	l3	l5 +1.0/ -0.3	l6 ≈	A/F1	A/F2	Recommended tightening torque in Nm ≈	⚖
GN 782-M6-KS-1	M 6	M 6	17	8.5	10	8	11	25	16.8	15	7	15	46
GN 782-M6-KS-2	M 6	M 6	17	8.5	10	-	11	25	16.8	15	7	15	52
GN 782-M8-KS-1	M 8	M 8	19	11	12	10	12.5	29.5	19.5	17	9	20	68
GN 782-M8-KS-2	M 8	M 8	19	11	12	-	12.5	29.5	19.5	17	9	20	75
GN 782-M10-KS-1	M 10	M 10	21	13	15	12	14	33.5	23.5	19	11	35	80
GN 782-M10-KS-2	M 10	M 10	21	13	15	-	14	33.5	23.5	19	11	35	112
GN 782-M12-KS-1	M 12	M 12	28	16	18	15	20	44	31.5	25	14	45	220
GN 782-M12-KS-2	M 12	M 12	28	16	18	-	20	44	31.5	25	14	45	252

GN 782-KS-NI

STAINLESS STEEL

Description	d1	d2	d3	d4	l1	l2	l3	l5 +1.0/ -0.3	l6 ≈	A/F1	A/F2	Recommended tightening torque in Nm ≈	⚖
GN 782-M6-KS-1-NI	M 6	M 6	17	8.5	10	8	11	25	16.8	15	7	15	48
GN 782-M6-KS-2-NI	M 6	M 6	17	8.5	10	-	11	25	16.8	15	7	15	53
GN 782-M8-KS-1-NI	M 8	M 8	19	11	12	10	12.5	29.5	19.5	17	9	20	73
GN 782-M8-KS-2-NI	M 8	M 8	19	11	12	-	12.5	29.5	19.5	17	9	20	83
GN 782-M10-KS-1-NI	M 10	M 10	21	13	15	12	14	33.5	23.5	19	11	35	102
GN 782-M10-KS-2-NI	M 10	M 10	21	13	15	-	14	33.5	23.5	19	11	35	121
GN 782-M12-KS-1-NI	M 12	M 12	28	16	18	15	20	44	31.5	25	14	45	236
GN 782-M12-KS-2-NI	M 12	M 12	28	16	18	-	20	44	31.5	25	14	45	269

GN 782-KI-ST

Description	d1	d2	d3	d4	l1	l2	l3	l4	l5 +1.0/ -0.3	l7 ≈	A/F1	A/F2	Recommended tightening torque in Nm ≈	⚖
GN 782-M6-KI-1	M 6	M 6	17	8.5	10	8	11	20	25	16	15	7	15	41
GN 782-M6-KI-2	M 6	M 6	17	8.5	10	8	11	20	25	16	15	7	15	50
GN 782-M8-KI-1	M 8	M 8	19	11	12	10	12.5	23	29.5	18	17	9	20	67
GN 782-M8-KI-2	M 8	M 8	19	11	12	10	12.5	23	29.5	18	17	9	20	75
GN 782-M10-KI-1	M 10	M 10	21	13	15	12	14	26	33.5	20	19	11	35	91
GN 782-M10-KI-2	M 10	M 10	21	13	15	12	14	26	33.5	20	19	11	35	108
GN 782-M12-KI-1	M 12	M 12	28	16	18	15	20	34	44	28	25	14	45	217
GN 782-M12-KI-2	M 12	M 12	28	16	18	15	20	34	44	28	25	14	45	240

GN 782-KI-NI

STAINLESS STEEL

Description	d1	d2	d3	d4	l1	l2	l3	l4	l5 +1.0/ -0.3	l7 ≈	A/F1	A/F2	Recommended tightening torque in Nm ≈	⚖
GN 782-M6-KI-1-NI	M 6	M 6	17	8.5	10	8	11	20	25	16	15	7	15	48
GN 782-M6-KI-2-NI	M 6	M 6	17	8.5	10	8	11	20	25	16	15	7	15	53
GN 782-M8-KI-1-NI	M 8	M 8	19	11	12	10	12.5	23	29.5	18	17	9	20	72
GN 782-M8-KI-2-NI	M 8	M 8	19	11	12	10	12.5	23	29.5	18	17	9	20	82
GN 782-M10-KI-1-NI	M 10	M 10	21	13	15	12	14	26	33.5	20	19	11	35	98
GN 782-M10-KI-2-NI	M 10	M 10	21	13	15	12	14	26	33.5	20	19	11	35	116
GN 782-M12-KI-1-NI	M 12	M 12	28	16	18	15	20	34	44	28	25	14	45	228
GN 782-M12-KI-2-NI	M 12	M 12	28	16	18	15	20	34	44	28	25	14	45	262