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MATERIAL

Hardened phosphated steel.

ELASTIC ELEMENT

Polyurethane (PUR).

STANDARD EXECUTIONS

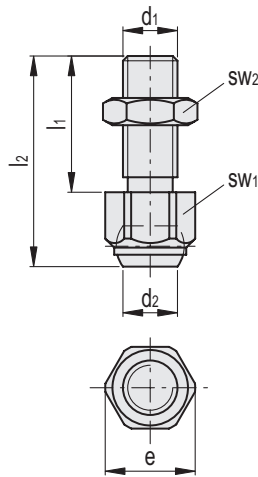
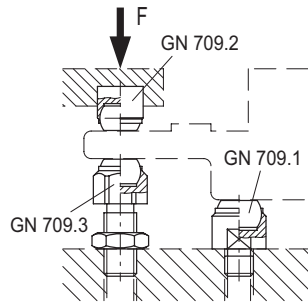
Hardened steel ball:

- **GN 709.3-B**: ball with smooth and flat face, not reversible.
- **GN 709.3-BR**: ball with smooth and flat face, not reversible, with automatic return.
- **GN 709.3-R**: ball with knurled and flat face, not reversible.
- **GN 709.3-RR**: ball with knurled and flat face, not reversible, with automatic return.

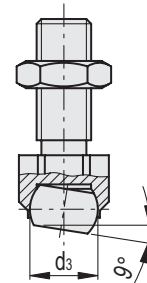
FEATURES AND APPLICATIONS

GN 709.3 clamping elements are used as mobile supports or for clamping workpieces.

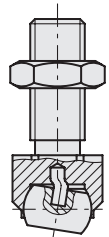
Maximum inclination of the ball plane = 9°.



GN 709.3-B



GN 709.3-BR



Conversion Table	
1 mm = 0.039 inch	
d2	
mm	inch
5.8	0.23
8.6	0.34
10.5	0.41
20	0.79
34.6	1.36

GN 709.3-B

METRIC

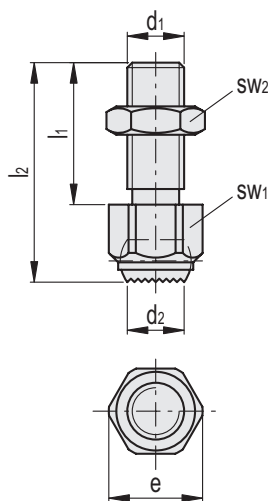
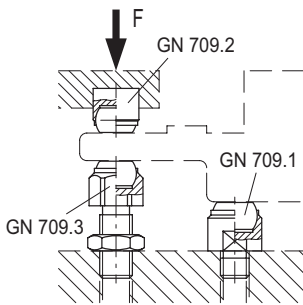
Code	Description	d1	d2	d3	l1	l2	sw1	sw2	e	Max. static load F [kN]	⚖️
GN.76151	GN 709.3-13-M8-B	M8	5.8	8.5	25	36.6	13	13	14.5	8	21
GN.76161	GN 709.3-17-M10-B	M10	8.6	12	30	45.7	17	17	19	8	55
GN.76171	GN 709.3-17-M12-B	M12	8.6	12	35	50.7	17	19	19	15	55
GN.76181	GN 709.3-24-M16-B	M16	10.5	16	40	60.7	24	24	27	25	115
GN.76191	GN 709.3-30-M20-B	M20	20	25	50	77.3	30	30	33	90	230
GN.76201	GN 709.3-36-M24-B	M24	20	25	70	100	36	36	40	90	435
GN.76211	GN 709.3-46-M30x1,5-B	M30x1.5	34.6	40	65	100	46	46	51	165	895

GN 709.3-BR

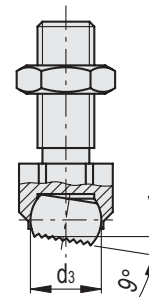
METRIC

Code	Description	d1	d2	d3	l1	l2	sw1	sw2	e	Max. static load F [kN]	⚖️
GN.76152	GN 709.3-13-M8-BR	M8	5.8	8.5	25	36.6	13	13	14.5	8	20
GN.76162	GN 709.3-17-M10-BR	M10	8.6	12	30	45.7	17	17	19	8	44
GN.76172	GN 709.3-17-M12-BR	M12	8.6	12	35	50.7	17	19	19	15	57
GN.76182	GN 709.3-24-M16-BR	M16	10.5	16	40	60.7	24	24	27	25	128
GN.76192	GN 709.3-30-M20-BR	M20	20	25	50	77.3	30	30	33	90	276
GN.76202	GN 709.3-36-M24-BR	M24	20	25	70	100	36	36	40	90	466
GN.76212	GN 709.3-46-M30x1,5-BR	M30x1.5	34.6	40	65	100	46	46	51	165	885

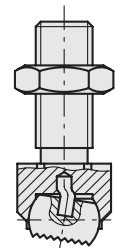
Machine elements



GN 709.3-R



GN 709.3-RR



Conversion Table	
1 mm = 0.039 inch	
d2	
mm	inch
5.8	0.23
8.6	0.34
10.5	0.41
20	0.79
34.6	1.36

GN 709.3-R

METRIC

Code	Description	d1	d2	d3	l1	l2	sw1	sw2	e	Max. static load F [kN]	⚖
GN.76156	GN 709.3-13-M8-R	M8	5.8	8.5	25	36.6	13	13	14.5	8	25
GN.76166	GN 709.3-17-M10-R	M10	8.6	12	30	45.7	17	17	19	8	55
GN.76176	GN 709.3-17-M12-R	M12	8.6	12	35	50.7	17	19	19	15	55
GN.76186	GN 709.3-24-M16-R	M16	10.5	16	40	60.7	24	24	27	25	115
GN.76196	GN 709.3-30-M20-R	M20	20	25	50	77.3	30	30	33	90	230
GN.76206	GN 709.3-36-M24-R	M24	20	25	70	100	36	36	40	90	435
GN.76216	GN 709.3-46-M30x1,5-R	M30x1.5	34.6	40	65	100	46	46	51	165	900

GN 709.3-RR

METRIC

Code	Description	d1	d2	d3	l1	l2	sw1	sw2	e	Max. static load F [kN]	⚖
GN.76157	GN 709.3-13-M8-RR	M8	5.8	8.5	25	36.6	13	13	14.5	8	20
GN.76167	GN 709.3-17-M10-RR	M10	8.6	12	30	45.7	17	17	19	8	44
GN.76177	GN 709.3-17-M12-RR	M12	8.6	12	35	50.7	17	19	19	15	56
GN.76187	GN 709.3-24-M16-RR	M16	10.5	16	40	60.7	24	24	27	25	128
GN.76197	GN 709.3-30-M20-RR	M20	20	25	50	77.3	30	30	33	90	275
GN.76207	GN 709.3-36-M24-RR	M24	20	25	70	100	36	36	40	90	465
GN.76217	GN 709.3-46-M30x1,5-RR	M30x1.5	34.6	40	65	100	46	46	51	165	883

