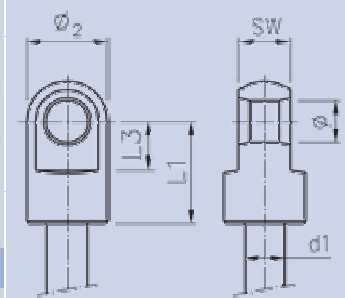


Hinge eyes piston rod side

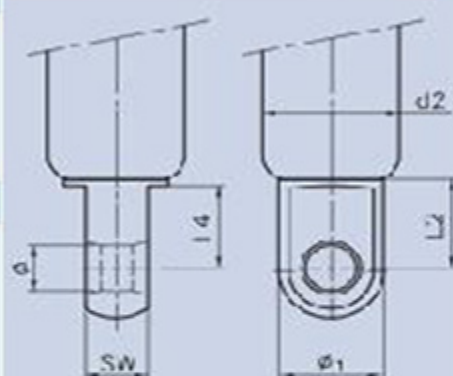
code	SW	Ø	L1	L3	Ø2	d1	Thread	suitable for gas springs	suitable for lockable gas springs	suitable for gas traction springs
H1	3,0	4,1	12,0	6,0	8,0	12,0	M4	x		
D1	3,0	6,2	16,0	9,0	11,0	6,0	M5	x		
F1	6,0	6,2	16,0	9,0	10,0	6,0	M5	x		
E1	3,0	8,2	16,0	9,0	11,0	6,0	M5	x		
D2	5,0	6,2	23,0	11,5	16,0	8,0-10,0	M8	x		
E2	5,0	8,2	23,0	12,5	16,0	8,0-10,0	M8	x		
E2/KL	5,0	8,2	23,0	11,5	19,0	8,0-10,0	M8	x		
P2	5,0	10,5	23,0	11,5	19,0	8,0-10,0	M8	x		
A1	10,0	8,2	20,0	20,0	16,0	8,0-10,0	M8, M10	x		x
H2	10,0	6,2	20,0	20,0	16,0	8,0-10,0	M8	x		
M2	10,0	10,2	20,0	20,0	16,0	8,0-10,0	M10	x		
J2	8,0	8,2	20,0	10,0	16,0	8,0-10,0	M8	x		x
K2	12,0	8,2	20,0	10,0	16,0	8,0-10,0	M5, M8	x		
W2	8,0	8,2	27,0	12,0	16,0	8,0-10,0	M8	x		
G2	8,0	6,2	20,0	10,0	16,0	8,0-10,0	M8	x		
A2	18,0	8,2	25,0	25,0	18,0	8,0-14,0	M8, M10	x		x
B2	18,0	10,2	25,0	25,0	18,0	8,0-14,0	M8, M10	x		x
X3	14,0	8,2	20,0	20,0	19,0	8,0-14,0	M8, M10	x		x
B1	12,0	8,2	25,0	12,0	19,0	10,0-14,0	M8, M10	x		x
L2	12,0	10,2	25,0	12,0	19,0	12,0-14,0	M8, M10	x		x
N2	10,0	8,2	30,0	16,0	19,0	12,0-14,0	M10	x		x
Z2	12,0	12,2	25,0	11,0	19,0	12,0-14,0	M8, M10	x		x
Z1	10,0	8,5	30,0	16,0	19,0	12,0-14,0	M10	x		x
M2	10,0	10,2	30,0	16,0	19,0	12,0-14,0	M8	x		x
O2	10,0	10,5	30,0	16,0	19,0	12,0-14,0	M10	x		x
C1	14,0	14,2	40,0	20,0	20,0	20,0	M14	x		x



Further hinge eyes on request

Hinge eyes cylinder side

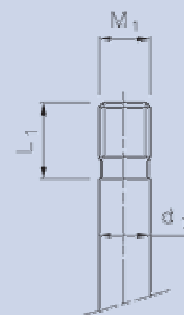
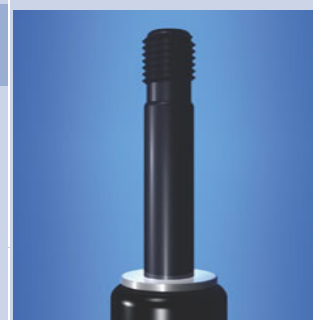
code	SW	Ø	L2	L4	Ø1	d2	Suitable for gas springs	Suitable for lockable gas springs	Suitable for gas traction springs*
H1	3,0	4,1	8,0	7,0	8,0	12,0	x		
D2	5,0	6,2	16,0	15,0	15,0-17,0	19,0-22,0	x		
E2	5,0	8,2	13,0	15,0	15,0-17,0	19,0-22,0	x		
D1	3,0	6,2	12,0	10,5	11,0	15,0	x		
E1	3,0	8,2	12,0	10,5	11,0	15,0	x		
F2	10,0	8,2	9,5	9,5	15,0	19,0	x	x	
F2	10,0	8,2	12,0	11,0	17,0	22,0	x		
P2	5,0	8,2	12,0	11,0	17,0	22,0	x	x	
A1	10,0	8,2	16,0	15,0	15,0-17,0	19,0-22,0	x	x	x
H2	10,0	6,2	16,0	15,0	15,0-17,0	19,0-22,0	x	x	
M2	10,0	10,2	16,0	15,0	15,0-17,0	19,0-22,0	x	x	
G2	8,0	6,2	16,0	15,0	15,0-17,0	19,0-22,0	x	x	
J2	8,0	8,2	16,0	15,0	15,0-17,0	19,0-22,0	x	x	x
K2	12,0	8,2	16,0	15,0	17,0	22,0	x	x	
B1	12,0	8,2	13,0	12,0	20,0	28,0	x	x	x
L2	12,0	10,2	13,0	12,0	20,0	28,0	x	x	x
N2	10,0	8,2	13,0	12,0	20,0	28,0	x	x	x
V2	6,0	8,2	13,0	12,0	20,0	28,0	x	x	
Z2	12,0	12,2	12,0	12,0	20,0	28,0	x	x	x
A1	10,0	8,2	16,0	15,0	20,0	28,0	x	x	
Z1	10,0	8,5	16,0	15,0	20,0	28,0	x	x	
M2	10,0	10,2	16,0	15,0	20,0	28,0	x	x	
C2	10,0	10,5	16,0	15,0	20,0	28,0	x	x	
M3	8,0	10,2	16,0	15,0	16,0	28,0	x	x	
N3	8,0	8,2	16,0	15,0	20,0	28,0	x	x	
K3	12,0	9,2	16,0	15,0	20,0	28,0	x	x	
C1	14,0	14,2	40,0	20,0	20,0	10,0	x	x	x



Further hinge eyes on request

Threads on piston rod side

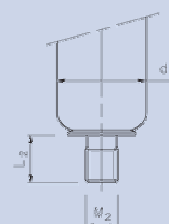
code	M1	L1	d1	Suitable for gas springs	Suitable for lockable gas springs	Suitable for gas traction springs
U0	M4	4,0	4,0	x		
V0	M5	5,0	6,0	x		
B0	M8	9,0	8,0	x		x
H0	M8	9,0	10,0	x		x
D0	M10	9,0	10,0-14,0	x		x
R0	M6	10,0	8,0	x		
A0	M6	8,0	8,0	x		
J0	M8	12,0	8,0-10,0	x		
P0	M8	15,0	8,0-10,0	x		
C0	M8	20,0	8,0-10,0	x		
T0	M10	10,0	10,0	x		
E0	M10	15,0	10,0-14,0	x		
F0	M10	20,0	10,0	x		
G0	M12	12,0	12,0	x		
Y0	M6	6,0	6,0	x		
Z0	MF	15,0	20,0	x		x
	14x1,5					
K0	MF 10x1	18,0	10,0-14,0		x	
O0	MF	20,0	14,0-20,0		x	
	14x1,5					
W0	MF 8x1	16,0	8,0		x	



Further threads on request

Threads on cylinder side

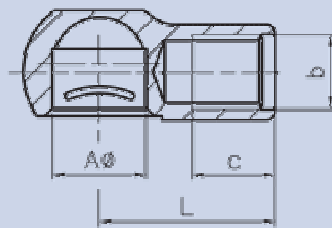
code	M2	L2	d2	Suitable for gas springs	Suitable for lockable gas springs	Suitable for gas traction springs
U0	M4	4,0	12,0	x		
V0	M5	5,0	15,0	x		
L0	M8	13,0	19,0-28,0	x	x	x
M0	M10	13,0	22,0-40,0	x	x	x
A0	M6	8,0/12,0	19,0-22,0	x		
N0	M8	8,0	19,0-28,0	x	x	
S0	M10	5,0	22,0	x		
Y0	M6	6,0	15,0	x		
Z0	MF	15,0	40,0	x		x
	14x1,5					



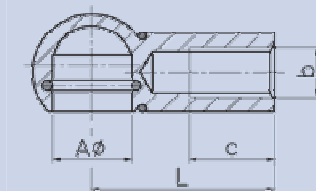
Further threads on request.

Ball sockets incl. fastener

code	Aø	L mm	b*c mm	Material
W5	10	19	M6*9, M8*9	steel
W6	10	18	M8*10	plastic



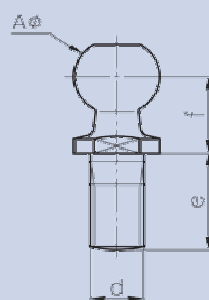
code	Aø	L mm	b*c mm	Material
F5	8	18	M4*6	steel
J3	8	22	M5*10,2	
W4	10	15	M5*5	
F3	10	19	M8*12	
P3	13	30	M6*14, M8*14	
W3	16	35	M10*15,5	



Further Ball sockets on request.

Bolts

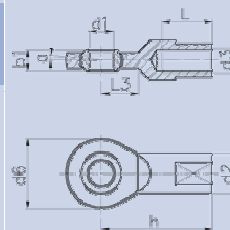
Art.-Nr.	Aø	d*e mm	f mm	Material
KB08M4*10.2BL	8	M4*10	9	steel, zinc plated
KB08M5*10.2BL	8	M5*10	9	steel, zinc plated
KB08M5*17BL	8	M5*17	9	steel, zinc plated
KB105/16*25,4BL	10	M16*25	12,7	steel, zinc plated
KB10M8*13BL	10	M8*13	12	steel, zinc plated
KB10M8*16,5BL	10	M8*16,5	12	steel, zinc plated
KB10M8*20BL	10	M8*20	12	steel, zinc plated
KB13M8*16,5BL	13	M8*16,5	13,5	steel, zinc plated
KB16M10*20BL	16	M10*20	17	steel, zinc plated



Further bolts on request

Hinge heads

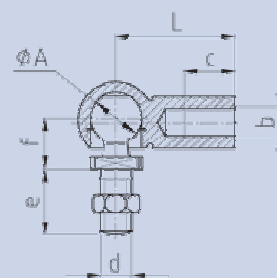
Code	a	b1 mm	d1 m m	d2 m m	d3 mm	d6 mm	h m m	L mm	L3 mm	Material
A7	8°	8	8	13	M8	23	36	16	12	steel, zinc plated
A8	6°	9	10	16	M10	28	43	20	13	steel, zinc plated
C4	6,5°	9	6	10	M6	20	30	12	11	steel, zinc plated
C8	7,5°	19	14	20	M14*1, 5	36	57	25	19	steel, zinc plated



Further hinge heads on request.

Elbow joints

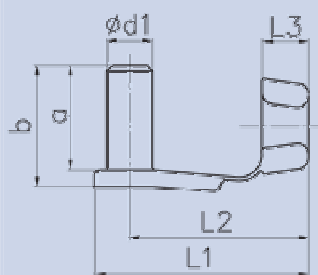
Code	AØ	L mm	b*c mm	d*e mm	f mm	Material	Nut
F4	8	18	M4*6	M4*10	8,5	steel, zinc plated	x
B3	8	22	M5*10	M5*10,2	9	steel, zinc plated	x
C3	10	15	M5*6	M8*13	12	steel, zinc plated	
J4	10	25	M6*12,5	M6*12,5	11	steel, zinc plated	x
D3	10	19	M8*9	M8*13	12	steel, zinc plated	
A9	10	17	Ø 7*9	M8*13	12	steel, zinc plated	
Y9	10	19	M8*9	M8*13	12	steel, zinc plated	x
H3	10	19	M8*9	5/16-18U	13	steel, zinc plated	x
NC-2A							
A3	13	30	M8*14	M8*16,5	13	steel, zinc plated	x
A4	16	35	M10*15,5	M10*20	16	steel, zinc plated	x
			/ M8*15,5				
B4*	19	45	M14*1,5*	M14*1,5*	20	steel, zinc plated	x
			21,5	21,5			



Further elbow joints on request.

Clip bolt

Code	Ø d1 mm	g mm	a mm	b mm	L1 mm	L2 mm	L3 mm	Material
P4	4	8	9,5	11	19	15	4,5	steel, zinc plated
F5	5	10	12	13,5	23	19	5,5	steel, zinc plated
B5	8	16	19	21,5	37	30	8	steel, zinc plated
C9	10	20	23	26	45	38	10	steel, zinc plated
J5	14	28	31	34	62	52	14	steel, zinc plated

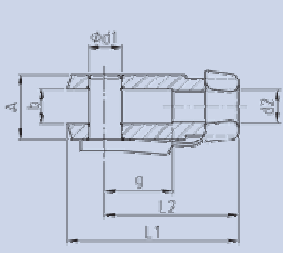
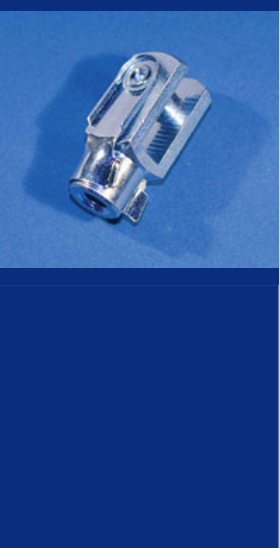


We reserve the right to make technical changes. Other types on request.

Clevises

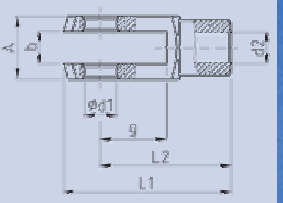
Clevises with clip bolts

Code	Ø d1 mm	g mm	A mm	b mm	L1 mm	L2 mm	Ø d2 mm	Material
N4	4	8	8	4	21	16	M4	steel, zinc plated
G5	5	10	10	5	26	20	M5	steel, zinc plated
C5	8	16	16	8	42	32	M8	steel, zinc plated
D9	10	20	20	10	52	40	M10	steel, zinc plated
L5	14	28	27	14	72	56	M14*1,5	steel, zinc plated

Clevises without clip bolts

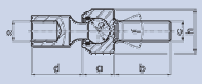
Code	Ø d1 mm	g mm	A mm	b mm	L1 mm	L2 mm	Ø d2 mm	Material
M4	4	8	8	4	21	16	M4	steel, zinc plated
E5	5	10	10	5	26	20	M5	steel, zinc plated
A5	8	16	16	8	42	32	M8	steel, zinc plated
B9	10	20	20	10	52	40	M10	steel, zinc plated
H5	14	28	27	14	72	56	M14*1,5	steel, zinc plated




We reserve the right to make technical changes. Other types on request.

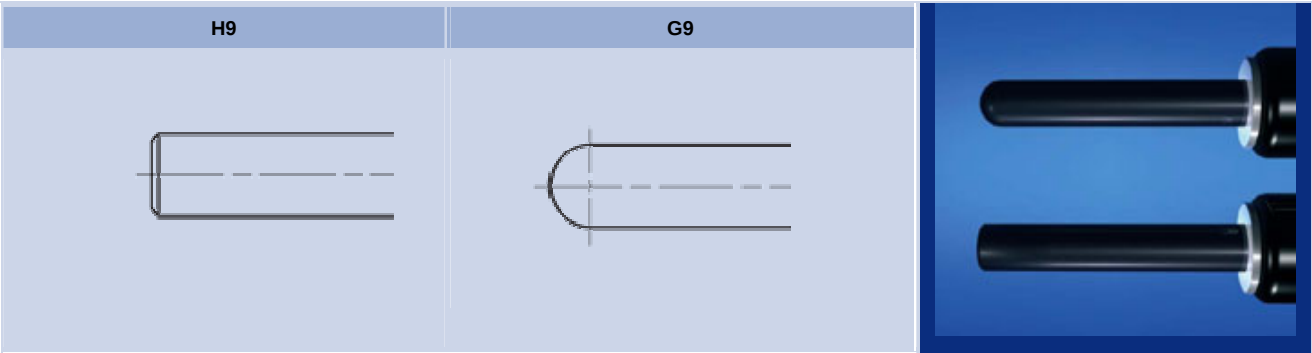
Ball joints

Code	a mm	b mm	c	d mm	e	f	g mm	h	Material
A6	12,5	20	M8	35	M8	30°	Ø10	SW17	steel, zinc plated
B6	12,5	20	M8	22	M8	30°	Ø10	SW17	steel, zinc plated

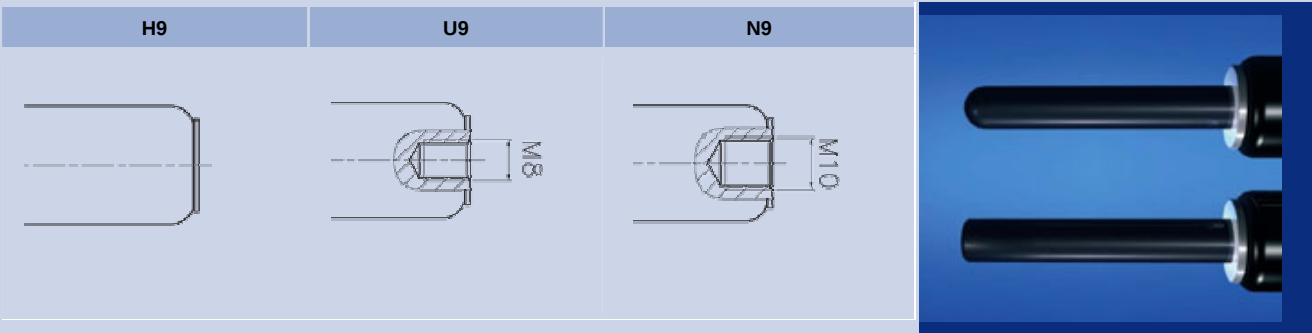



Further ball joints on request.

Piston rod



Cylinder



Further connecting parts on request.