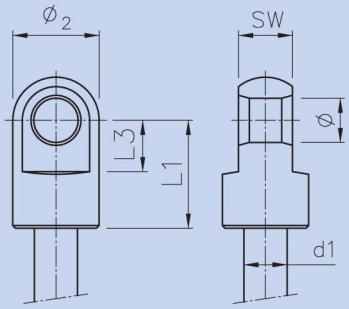
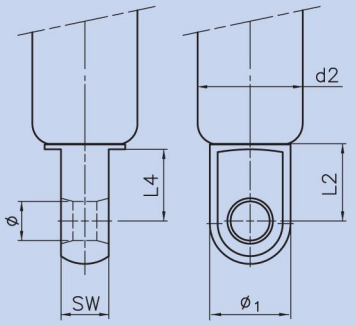
ピストンロッド側［丸穴］| Hinge eyes piston rod side

Code	SW	ø	L_1	L_3	$ø_2$	d_1	取付ネジ径 thread	対応表： suitable for: ガススプリング Gas springs	ロック機構付きガススプリング Lockable gas springs	トラクションガススプリング Gas traction springs
Q1	3,0	4,1	11,0	5,0	7,0	3,0	M3	●		
H1	3,0	4,1	12,0	6,0	8,0	4,0	M4	●		
D1	3,0	6,2	16,0	9,0	11,0	6,0	M5	●		●
F1	6,0	6,2	16,0	9,0	10,0	6,0	M5	●		●
E1	3,0	8,2	16,0	9,0	11,0	6,0	M5	●		●
D2	5,0	6,2	23,0	11,5	16,0	8,0 - 10,0	M8	●		●
E2	5,0	8,2	23,0	12,5	16,0	8,0 - 10,0	M8	●		●
E2/KL	5,0	8,2	23,0	11,5	19,0	8,0 - 10,0	ø8	●		●
A1	10,0	8,2	20,0	20,0	16,0	8,0 - 10,0	M8,M10	●		●
H2	10,0	6,2	20,0	20,0	16,0	8,0 - 10,0	M8	●		●
M2	10,0	10,2	20,0	20,0	16,0	8,0 - 10,0	M8	●		●
J2	8,0	8,2	20,0	10,0	16,0	8,0 - 10,0	M8	●		●
K2	12,0	8,2	20,0	10,0	16,0	8,0 - 10,0	M5, M8	●		●
W2	8,0	8,2	27,0	12,0	16,0	8,0 - 10,0	M8	●		●
G2	8,0	6,2	20,0	10,0	16,0	8,0 - 10,0	M8	●		●
A2	18,0	8,2	25,0	25,0	18,0	8,0 - 14,0	M8,M10	●		●
B2	18,0	10,2	25,0	25,0	18,0	8,0 - 14,0	M8,M10	●		●
X3	14,0	8,2	20,0	20,0	19,0	8,0 - 14,0	M8,M10	●		●
B1	12,0	8,2	25,0	12,0	19,0	10,0 - 14,0	M8,M10	●		●
L2	12,0	10,2	25,0	12,0	19,0	10,0 - 14,0	M8,M10	●		●
N2	10,0	8,2	30,0	16,0	19,0	12,0 - 14,0	M10	●		●
Z2	12,0	12,2	25,0	11,0	19,0	12,0 - 14,0	M8,M10	●		●
Z1	10,0	8,5	30,0	16,0	19,0	12,0 - 14,0	M10	●		●
M2	10,0	10,2	30,0	16,0	19,0	10,0 - 14,0	M10	●		●
Q2	10,0	10,5	30,0	16,0	19,0	12,0 - 14,0	M10	●		●
C1	14,0	14,2	40,0	20,0	20,0	20,0	M14	●		●



シリンダー側［丸穴］| Hinge eyes cylinder side

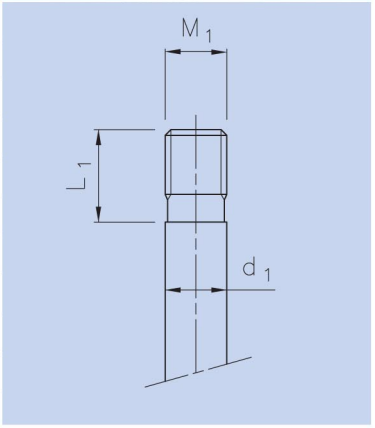
Code	SW	ø	L_2	L_4	$ø_1$	d_2 最初に確認して下さい		対応表：suitable for: ガススプリング Gas springs	ロック機構付きガススプリング Lockable gas springs	トラクションガススプリング Gas traction springs*
Q1	3,0	4,1	12,0	11,0	7,0	8,0		●		
H1	3,0	4,1	8,0	7,0	8,0	12,0		●		
D2	5,0	6,2	16,0	15,0	15,0 - 17,0	19,0 - 22,0		●	●	
E2	5,0	8,2	16,0	15,0	15,0 - 17,0	19,0 - 22,0		●	●	
D1	3,0	6,2	12,0	10,5	11,0	15,0		●		
E1	3,0	8,2	12,0	10,5	11,0	15,0		●		
F2	10,0	8,2	9,5	9,5	15,0	19,0		●	●	
F2	10,0	8,2	12,0	11,0	17,0	22,0		●	●	
A1	10,0	8,2	16,0	15,0	15,0 - 17,0	19,0 - 22,0		●	●	●
H2	10,0	6,2	16,0	15,0	15,0 - 17,0	19,0 - 22,0		●	●	
M2	10,0	10,2	16,0	15,0	15,0 - 17,0	19,0 - 22,0		●	●	
G2	8,0	6,2	16,0	15,0	15,0 - 17,0	19,0 - 22,0		●	●	
J2	8,0	8,2	16,0	15,0	15,0 - 17,0	19,0 - 22,0		●	●	●
K2	12,0	8,2	16,0	15,0	17,0	22,0		●	●	
B1	12,0	8,2	13,0	12,0	20,0	28,0		●	●	●
L2	12,0	10,2	13,0	12,0	20,0	28,0		●	●	●
N2	10,0	8,2	13,0	12,0	20,0	28,0		●	●	●
V2	6,0	8,2	13,0	12,0	20,0	28,0		●	●	
Z2	12,0	12,2	13,0	12,0	20,0	28,0		●	●	●
A1	10,0	8,2	16,0	15,0	20,0	28,0		●	●	
Z1	10,0	8,5	16,0	15,0	20,0	28,0		●	●	
M2	10,0	10,2	16,0	15,0	20,0	28,0		●	●	
Q2	10,0	10,5	16,0	15,0	20,0	28,0		●	●	
M3	8,0	10,2	16,0	15,0	16,0	28,0		●	●	
N3	8,0	8,2	16,0	15,0	20,0	28,0		●	●	
K3	12,0	9,2	16,0	15,0	20,0	28,0		●	●	



*Gegebenenfalls geeignete Gewindezapfen auswählen, sodass jedes gewünschte schraubbare Anschlussteil verwendet werden kann. *If possible use a suitable thread, so the prefered connection part can be used

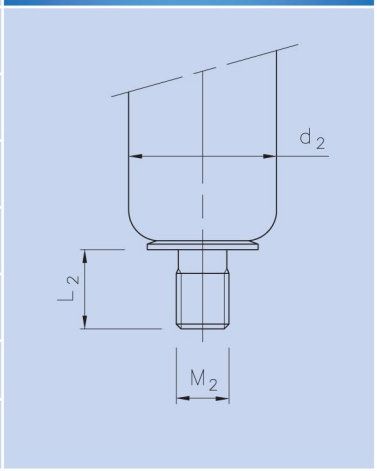
ピストンロッド側［ネジ］| Threads on piston rod side

				対応表： suitable for:		
Code	M_1	L_1	d_1	ガススプリング Gas springs	ロック機構付き ガススプリング Lockable gas springs	トラクション ガススプリング Gas traction springs
Q0	M3	4,0	3,0	●		
U0	M 4	4,0	4,0	●		
V0	M 5	5,0	6,0	●		
B0	M 8	9,0	8,0	●		●
H0	M 8	9,0	10,0	●		
D0	M10	9,0	10,0 - 14,0	●		●
R0	M 6	10,0	8,0	●		
A0	M 6	8,0	8,0	●		
J0	M 8	12,0	8,0 - 10,0	●		
P0	M 8	15,0	8,0 - 10,0	●		
C0	M 8	20,0	8,0 - 10,0	●		
E0	M10	15,0	10,0 - 14,0	●		
F0	M10	20,0	10,0	●		
G0	M12	12,0	12,0	●		
Y0	M 6	6,0	6,0	●		
Z0	MF 14 x 1,5	15,0	20,0	●		●
K0	MF10 x 1	18,0	10,0 - 14,0		●	
O0	MF14 x 1,5	20,0	14,0 - 20,0		●	
W0	MF8 x 1	16,0	8,0		●	
I0	M24 x 2	35,0	30,0	●		



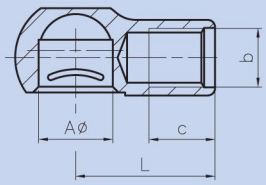
シリンダー側［ネジ］| Threads on cylinder side

				対応表： suitable for:			
Code	M_2	L_2	d_2 最初に確認して下さい	ガススプリング Gas springs	ロック付き ガススプリング Lockable gas springs	トラクション ガススプリング Gas traction springs	バルブ付 ガススプリング Gas springs with valve
Q0	M 3	4,0	8,0	●			
U0	M 4	4,0	12,0	●			
V0	M 5	5,0	15,0	●			●
L0	M 8	13,0	19,0 - 28,0	●	●	●	
M0	M10	13,0	22,0 - 40,0	●	●	●	●
A0	M 6	8,0/12,0	19,0 / 22,0	●			
N0	M 8	8,0	19,0 - 28,0	●	●		●
S0	M10	5,0	22,0	●			
Y0	M 6	6,0	15,0	●			
Z0	MF 14 x 1,5	15,0	40,0	●		●	●
I0	M24 x 2	35,0	70,0	●			

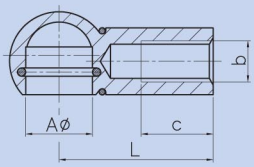


ボールソケット（留め具付） | Ball sockets incl. fastener

Code	Aø	L mm	b*c mm	Material
W5	10	19	M6*9 , M8*9	Stahl *steel*
W6	10	18,5	M8*9	Kunststoff *plastic*
W7	10	18,5	M5*5	Kunststoff *plastic*

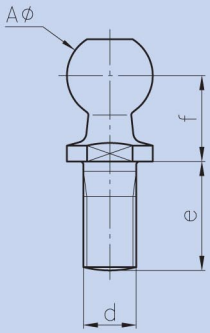


F5	8	18	M4*6	Stahl *Steel*
J3	8	22	M5*10,2	
W4	10	15	M5*5	
F3	10	19	M8*12	
P3	13	30	M6*14 , M8*14	
W3	16	35	M10*15,5	



ボルト | Bolts

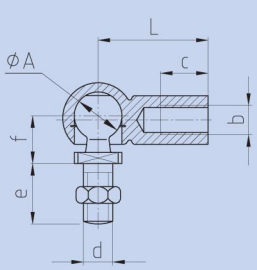
Art-Nr. art. no.	Aø	d*e mm	f mm	Material
KB08M4*10.2BL	8	M4*10,2	9	Stahl verzinkt *steel, zinc plated*
KB08M5*10.2BL	8	M5*10,2	9	
KB08M5*17BL	8	M5*17	9	
KB105/16*25.4BL	10	5/16 - 18UNC-2A*25	12,7	
KB10M8*13BL	10	M8*13	12	
KB10M8*16.5BL	10	M8*16.5	12	
KB10M8*20BL	10	M8*20	12	
KB13M8*16.5BL	13	M8*16.5	13	
KB16M10*20BL	16	M10*20	16	



エルボージョイント | Elbow joints

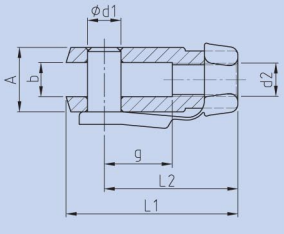
Code	Aø	L mm	b*c mm	d*e mm	f mm	Material	Mutter nut
Q3	8	18	M3*6	M3*10,2	9	Stahl verzinkt *steel, zinc plated*	●
F4	8	18	M4*6	M4*10,2	9		●
B3	8	22	M5*10	M5*10,2	9		●
C3	10	15	M5*6	M8*13	12		
J4	10	25	M6*11,5	M6*12,5	11		●
D3	10	19	M8*9	M8*13	12		
A9	10	17	Ø 7*9	M8*13	12		
Y9	10	19	M8*9	M8*13	12		●
H3	10	19	M8*9	5/16-18UNC-2A	13		●
A3	13	30	M8*14	M8*16,5	13		●
A4	16	35	M10*15,5 / M8 *15,5	M10*20	16		●
B4*	19	45	M14*1,5*21,5	M14*1,5*28	20		●

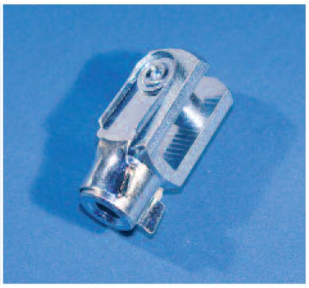
*引張りに対する力は3,000N以下としてください。



クリップボルト付クレビス | Clevises with clip bolts

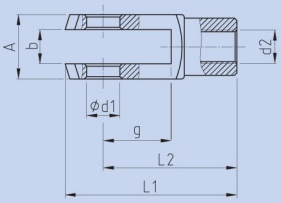
Code	ø d1 mm	g mm	A mm	b mm	L1 mm	L2 mm	ø d2 mm	Material
N4	4	8	8	4	21	16	M4	Stahl verzinkt *steel, zinc plated*
G5	5	10	10	5	26	20	M5	
C5	8	16	16	8	42	32	M8	
D9	10	20	20	10	52	40	M10	
L5	14	28	27	14	72	56	M14*1,5	





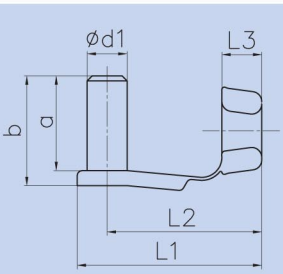
クレビスクリップボルト無し | Clevises without clip bolts

Code	ø d1 mm	g mm	A mm	b mm	L1 mm	L2 mm	ø d2 mm	Material
Q5	4	8	8	4	21	16	M3	Stahl verzinkt *steel, zinc plated*
M4	4	8	8	4	21	16	M4	
E5	5	10	10	5	26	20	M5	
A5	8	16	16	8	42	32	M8	
B9	10	20	20	10	52	40	M10	
H5	14	28	27	14	72	56	M14*1,5	
M5	25	50	50	25	132	100	M24*2	



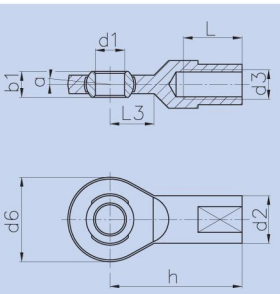
クリップボルト | Clip bolt

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	Stahl verzinkt *steel, zinc plated*
F5	5	10	12	13,5	23	19	5,5	
B5	8	16	19	21,5	37	30	8	
C9	10	20	23	26	45	38	10	
J5	14	28	31	34	62	52	14	



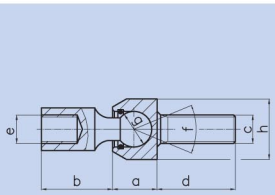
ヒンジヘッド | Hinge heads

Code	a	b1 mm	d1 mm	d2 mm	d3	d6 mm	h mm	L mm	L3 mm	Material
A7	8°	8	8	13	M8	23	36	16	12	Stahl verzinkt *steel, zinc plated*
A8	6°	9	10	16	M10	28	43	20	13	
C4	6,5°	9	6	10	M6	20	30	12	11	
C8	7,5°	19	14	20	M14*1,5	36	57	25	19	
M8	15°	31	25	36	M24*2	60	94	42	30	



ボールジョイント | Ball joints

Code	a mm	b mm	c	d mm	e	f	g mm	h	Material
A6	12,5	20	M8	35	M8	30°	ø 10	SW17	Stahl verzinkt *steel zinc plated*
B6	12,5	20	M8	22	M8	30°	ø 10	SW17	

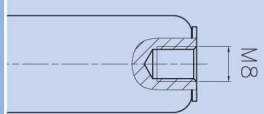
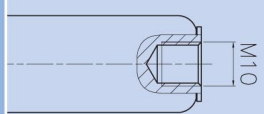


スペシャル加工 | Examples of special connecting parts

Kolbenstange *piston rod*

H9		G9		für alle Kolbenstangendurchmesser erhältlich *available for all diametres*

Zylinderendstück *cylinder* **(Ø 12, 15, 19, 22, 28, 40)**

H9		U9		N9