

Front and rear flanges (MF1 - MF2)

Coding: 1300.Ø.V

M	MATERIALS
	80 = Steel 90 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
V	VERSION
	03F = Steel flange (Ø32 ... Ø200)
	03FP = Aluminium flange (Ø32 ... Ø100)

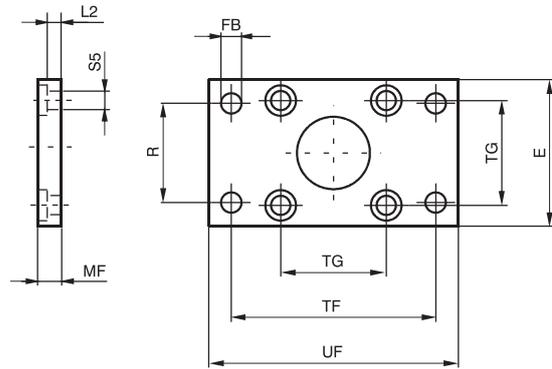
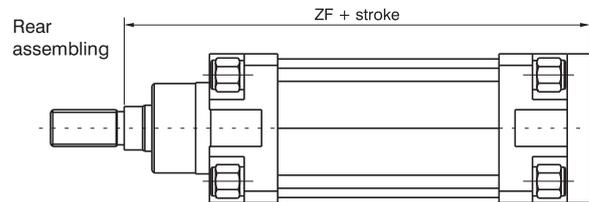
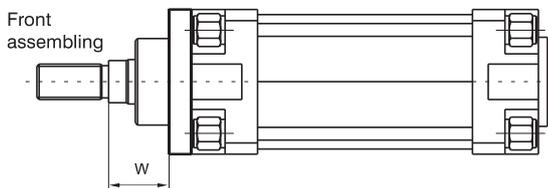


Plate which allows anchorage of the cylinder at a right angle to the plane. It is made of zincplated extruded steel.



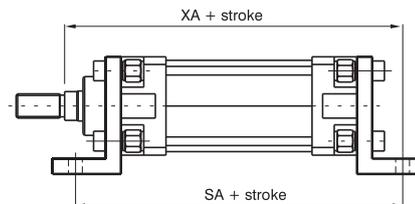
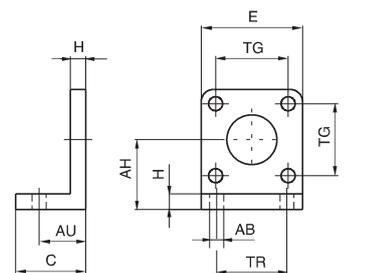
Bore	E	FB (H 13)	MF (JS 14)	R (JS 14)	TF (JS 14)	TG	UF	ZF	W	L2	S5	Weight (g) steel	Weight (g) aluminium
32	45	7	10	32	64	32,5	80	130	16	5	6,6	190	60
40	52	9	10	36	72	38	90	145	20	5	6,6	250	69
50	65	9	12	45	90	46,5	110	155	25	6,5	9	480	130
63	75	9	12	50	100	56,5	120	170	25	6,5	9	620	170
80	95	12	16	63	126	72	150	190	30	9	11	1430	345
100	115	14	16	75	150	89	170	205	35	9	11	1990	485
125	140	16	20	90	180	110	205	245	45	10,5	14	3750	/
160	180	18	20	115	230	140	260	280	60	9,5	18	6350	/
200	220	22	25	135	270	175	300	300	70	12,5	18	11350	/

PNEUMATIC ACTUATION

Standard feet

Coding: 1320.Ø.05F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
Aluminium (1 piece)	160 = Ø160
	200 = Ø200



Elements used to anchor the cylinder parallel to the mounting plane. They are made of cast aluminium, painted black.

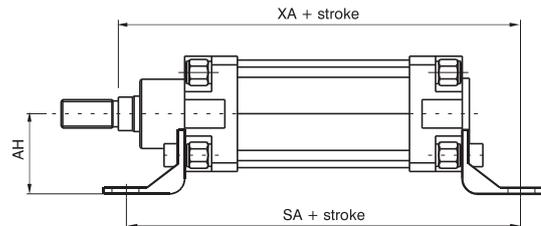
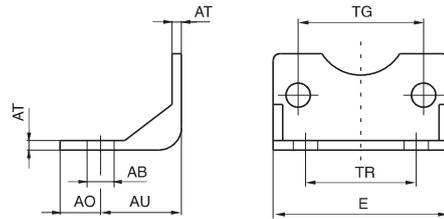
Bore	32	40	50	63	80	100	125	160	200
AB (H 14)	7	9	9	9	12	14	16	18	22
AH (JS 15)	32	36	45	50	63	71	91	115	135
AU (±0,2)	24	28	32	32	41	41	45	60	70
C	35	35	45	45	55	56	68	82	90
E	45	52	65	75	95	115	140	180	220
H	8	8	10	10	12	12	16	20	20
SA	142	161	170	185	210	220	250	300	320
TG	32,5	38	46,5	56,5	72	89	110	140	175
TR (JS 14)	32	36	45	50	63	75	90	115	135
XA	144	163	175	190	215	230	270	320	345
Weight (g)	45	65	140	175	380	470	920	2300	3200

Short mounting foot brackets (in sheet metal MS1)

Coding: 1320.Ø.05/1F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
	160 = Ø160
	200 = Ø200

Steel
(1 piece)



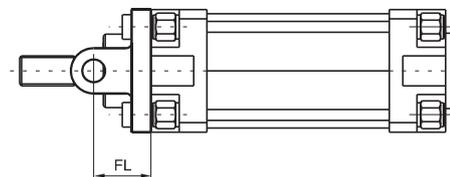
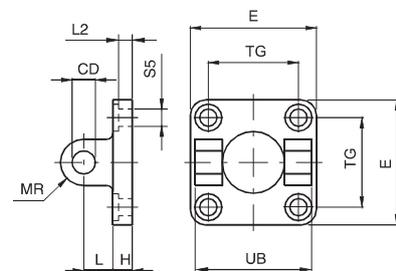
Elements used to anchor the cylinder parallel to the mounting plane. They are made of steel, and painted black.

Bore	32	40	50	63	80	100	125	160	200
AB (H 14)	7	9	9	9	12	14	16	18	22
AH (JS 15)	32	36	45	50	63	71	90	115	135
AU (± 0.2)	24	28	32	32	41	41	45	60	70
AO (± 0.2)	11	8	15	13	14	16	25	15	30
E	45	52	65	75	95	115	140	180	220
AT	4	4	5	5	6	6	8	9	12
SA	142	161	170	185	210	220	250	300	320
TG	32,5	38	46,5	56,5	72	89	110	140	175
TR (JS 14)	32	36	45	50	63	75	90	115	135
XA	144	163	175	190	215	230	270	320	345
Weight (g)	65	80	170	190	380	452	1090	1190	3450

Front clevis (not specified by ISO-VDMA standards)

Coding: 13M.Ø.V

M	MATERIALS
	20 = Steel 80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
	160 = Ø160
	200 = Ø200
V	VERSION
	08F = Steel front clevis
	19F = Aluminium front clevis



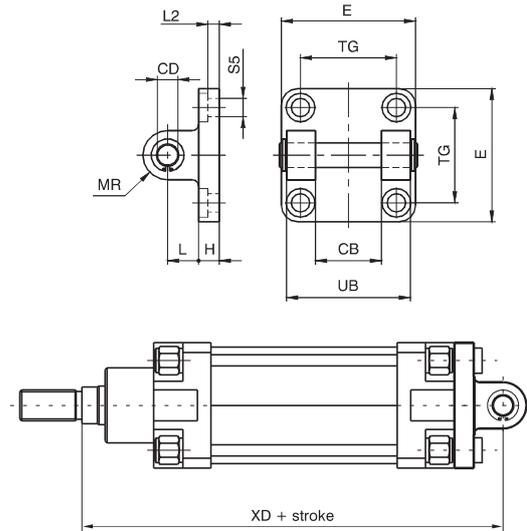
Used to mount the cylinder either parallel or at a right angle to the mounting plane; allows the cylinder to self-align under load. Made of aluminium alloy or steel (see ordering code) and painted black.

Bore	32	40	50	63	80	100	125	160	200
CD (H9)	10	12	12	16	16	20	25	30	30
E	Aluminium	45	52	65	75	95	115	140	180
	Steel	45	55	65	75	95	115	140	180
FL (±0,2)	22	25	27	32	36	41	50	55	60
H	Aluminium	9	9	11	11	14	14	20	25
	Steel	10	10	10	12	14	16	20	20
L	Aluminium	13	16	16	21	22	27	30	35
	Steel	12	15	17	20	22	25	30	35
MR	10	12	12	16	16	20	25	25	25
TG	32,5	38	46,5	56,5	72	89	110	140	175
UB (h14)	45	52	60	70	90	110	130	170	170
L2(±0,5)	5,5	5,5	6,5	6,5	10	10	10	10	11
S5 (H13)	6,6	6,6	9	9	11	11	14	18	18
Weight (g)	Aluminium	50	75	125	190	380	620	1180	2900
	Steel	150	235	340	550	1010	1710	3360	8960

Rear clevis (MP2)

Coding: 1300.Ø.V

M	MATERIALS
	20 = Steel 80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
V	VERSION
	20F = Steel rear clevis
	09F = Aluminium rear clevis



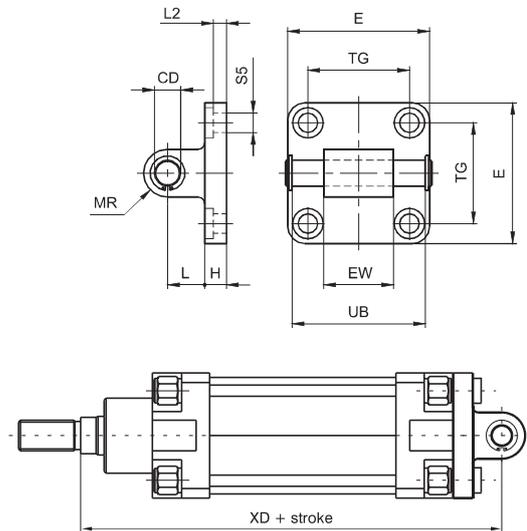
Bore	32	40	50	63	80	100	125	160	200
CB (H 14)	26	28	32	40	50	60	70	90	90
CD	10	12	12	16	16	20	25	30	30
E	Aluminium	45	52	65	75	95	115	140	220
	Steel	45	55	65	75	95	115	140	220
H	Aluminium	9	9	11	11	14	14	20	25
	Steel	10	10	10	12	14	16	20	20
L	Aluminium	13	16	16	21	22	27	30	35
	Steel	12	15	17	20	22	25	30	35
MR	10	12	12	16	16	20	25	25	25
TG	32,5	38	46,5	56,5	72	89	110	140	175
UB (h14)	45	52	60	70	90	110	130	170	170
XD	142	160	170	190	210	230	275	315	335
L2(±0,5)	5,5	5,5	6,5	6,5	10	10	10	10	11
S5	6,6	6,6	9	9	11	11	14	18	18
Weight (g)	Aluminium	80	130	185	310	530	910	1710	2760
	Steel	180	290	400	670	1160	2000	3890	6730

Similar to type 08 but includes a hinge pin. This type of mounting allows anchorage of the cylinder either parallel or right angle to plane; the cylinder rod can oscillate and self-align as necessary when under load. Made of aluminium alloy or steel (see ordering code) and painted black.

Rear male clevis (MP4)

Coding: 1300.Ø.V

M	MATERIALS
	20 = Steel 80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
V	VERSION
	21F = Steel rear male clevis
	09/1F = Aluminium rear male clevis



Bore	32	40	50	63	80	100	125	160	200
CD	10	12	12	16	16	20	25	30	30
E	Aluminium	45	52	65	75	95	115	140	220
	Steel	45	55	65	75	95	115	140	220
EW	26 (-0.2/-0.6)	28 (-0.2/-0.6)	32 (-0.2/-0.6)	40 (-0.2/-0.6)	50 (-0.2/-0.6)	60 (-0.2/-0.6)	70 (-0.5/-1.2)	90 (-0.5/-1.2)	90 (-0.5/-1.2)
H	Aluminium	9	9	11	11	14	14	20	25
	Steel	10	10	10	12	14	16	20	20
L	Aluminium	13	16	16	21	22	27	30	35
	Steel	12	15	17	20	22	25	30	35
MR	10	12	12	16	16	20	25	25	25
TG	32,5	38	46,5	56,5	72	89	110	140	175
UB (-0.5/-0)	46	53	61	71	91	111	132	171,5	171,5
XD	142	160	170	190	210	230	275	315	335
L2(±0.5)	5,5	5,5	6,5	6,5	10	10	10	10	11
S5	6,6	6,6	9	9	11	11	14	18	18
Weight (g)	Aluminium	90	130	190	340	580	960	1890	2830
	Steel	210	330	430	810	1350	2400	4300	6880

Similar to 09 clevis except for the connection, which is male rather than female. Used to mount the cylinder either parallel or at a right angle to the plane; the cylinder rod can oscillate and self-align as necessary when under load. Made of aluminium alloy or steel (see ordering code) and painted black.

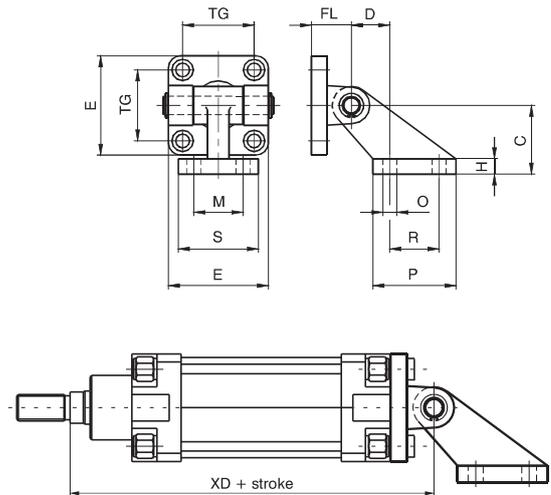
PNEUMATIC ACTUATION

Simple rear trunnion with support brackets (not specified by ISO-VDMA standards)

Coding: 1380.Ø.11F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
	160 = Ø160
200 = Ø200	

Aluminium
Counter clevis can be ordered separately with code 1320.Ø.11/1F



Used to mount cylinders parallel to the plane to which the counter clevis is attached. Allows selfalignment of the cylinder rod under load with an oscillation up to 90 degrees from the mounting plane.

Bore	32	40	50	63	80	100	125	160	200
C (±0,2)	32	45	45	63	63	90	90	140	140
D (±0,5)	18	25	25	32	32	40	40	50	50
E	45	52	65	75	95	115	140	180	220
H	8	10	10	12	12	17	17	20	20
FL	22	25	27	32	36	41	50	55	60
M (JS 14)	25	32	32	40	40	50	50	63	63
TG	32,5	38	46,5	56,5	72	89	110	140	175
O (H 13)	7	9	9	11	11	14	14	18	18
P	37	54	54	75	75	103	103	154	154
R (JS 14)	20	32	32	50	50	70	70	110	110
S	41	52	52	63	63	80	80	110	110
XD	142	160	170	190	210	230	275	315	335
Weight (g)	130	260	330	600	820	1560	2530	4735	5795

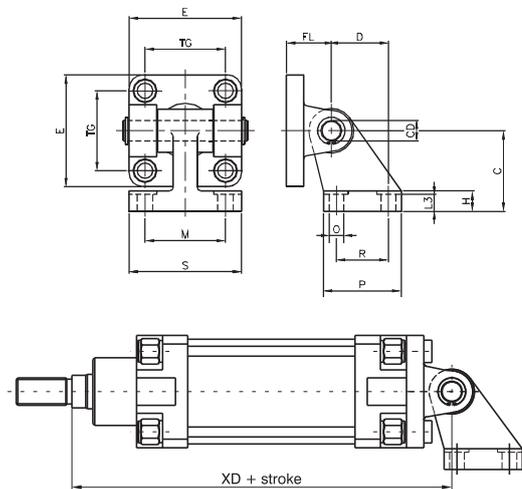
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PNEUMATIC ACTUATION

Square angle trunnion (AB7)

Coding: 13M.Ø.V

M	MATERIALS
	20 = Steel 80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
	160 = Ø160
200 = Ø200	
V	VERSION
	23F = Steel square angle trunnion (Ø32...Ø100)
	35F = Aluminium square angle trunnion



Counter clevis
can be ordered separately with code:
1320.Ø.11/2F (aluminium)
1320.Ø.24F (steel) (Ø32...Ø100)

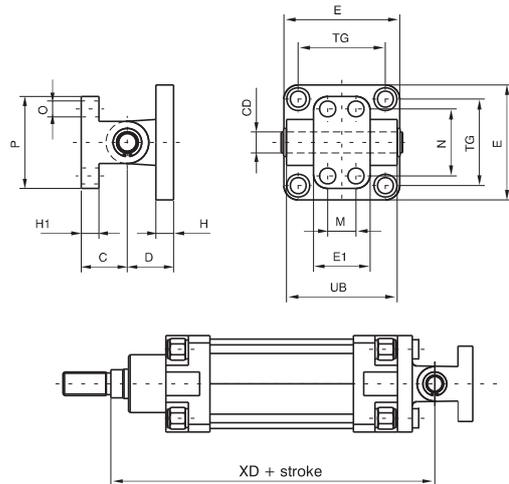
Bore		32	40	50	63	80	100	125	160	200
E	Aluminium	45	52	65	75	95	115	140	180	220
	Steel	45	55	65	75	95	115	140	180	220
TG		32,5	38	46,5	56,5	72	89	110	140	175
FL		22	25	27	32	36	41	50	55	60
D (JS14)		21	24	33	37	47	55	70	97	105
CD		10	12	12	16	16	20	25	30	30
C (JS15)		32	36	45	50	63	71	90	115	135
H	Aluminium	8	10	12	14	14	17	20	25	30
	Steel	8	10	12	12	14	15	/	/	/
L3	Aluminium	6,4	8,4	10,4	12,4	11,5	14,5	16,8	21	26
	Steel	6,5	8,5	10,5	10,5	11,5	12,5	/	/	/
R (JS14)		18	22	30	35	40	50	60	88	90
P		31	35	45	50	60	70	90	126	130
O (H13)		6,6	6,6	9	9	11	11	14	14	18
S		51	54	65	67	86	96	124	156	162
M (JS14)		38	41	50	52	66	76	94	118	122
XD		142	160	170	190	210	230	275	315	335
Weight (g)	Aluminium	120	180	225	435	730	1220	2325	3780	4950
	Steel	340	500	640	1250	2100	3500	/	/	/

► **Standard trunnion (not specified by ISO-VDMA standards)**

Coding: 1380.Ø.10F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
160 = Ø160	
200 = Ø200	

Aluminium



Mounting consists of clevis 09 and counter clevis. Used to mount cylinders at a right angle to the plane to which the counter clevis is attached. Allows self-alignment of the cylinder rod under load with an oscillation of ± 60 degrees.

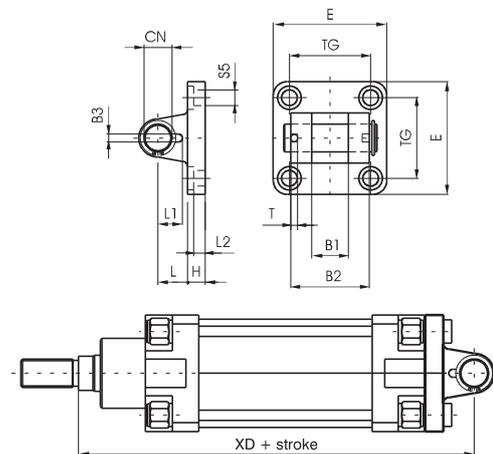
Bore	32	40	50	63	80	100	125	160	200
C (±0.2)	18	26	26	34	34	41	41	55	55
CD	10	12	12	16	16	20	25	30	30
D	22	25	27	32	36	41	50	55	60
E	45	52	65	75	95	115	140	180	220
E1	25	32	32	46	46	56	56	71	71
H	10	10	12	12	16	16	20	20	25
H1	8	10	10	12	12	16	16	20	20
M (±0.2)	-	16	16	25	25	32	32	43	43
N (±0.2)	28	38	38	54	54	90	90	150	150
O	7	9	9	11	11	14	14	18	18
P	40	52	52	75	75	115	115	180	180
TG	32.5	38	46.5	56.5	72	89	110	140	175
UB	45	52	60	70	90	110	130	170	170
XD	142	160	170	190	210	230	275	315	335
Weight (g)	11	190	240	490	710	1290	2090	3690	4810

PNEUMATIC ACTUATION

► **Rear narrow clevis**

Coding: 130M.Ø.V

M	MATERIALS
	20 = Steel
	80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
160 = Ø160	
200 = Ø200	
V	VERSION
	29F = Steel rear narrow clevis (Ø32... Ø125)
	30F = Aluminium rear narrow clevis

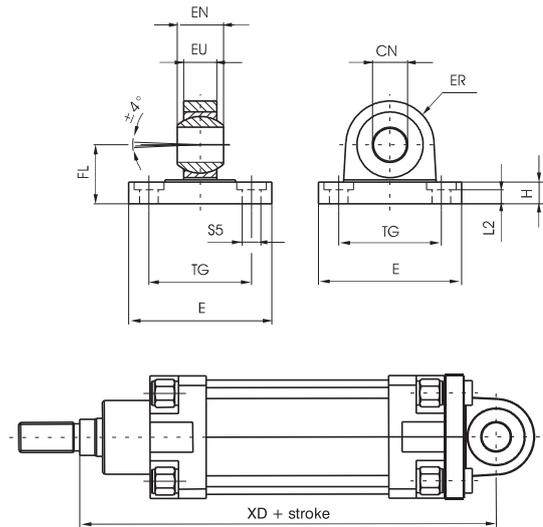


Bore	32	40	50	63	80	100	125	160	200	
B1 (H 14)	14	16	21	21	25	25	37	43	43	
B2 (d 12)	34	40	45	51	65	75	97	122	122	
B3 (+0.2/-0)	3,3	4,3	4,3	4,3	4,3	6,3	6,3	6,3	6,3	
CN	10	12	16	16	20	20	30	35	35	
E	Aluminium	45	52	65	75	95	115	140	180	220
	Steel	45	55	65	75	95	115	140	180	220
H	Aluminium	9	9	11	11	14	14	20	20	25
	Steel	10	10	10	12	14	16	20	/	/
L	Aluminium	13	16	16	21	22	27	30	35	35
	Steel	12	15	17	20	22	25	30	/	/
L1	11,5	12	14	14	16	16	24	26,5	26,5	
L2 (±0.5)	5,5	5,5	6,5	6,5	10	10	10	10	11	
S5	6,6	6,6	9	9	11	11	14	18	18	
T	3	4	4	4	4	4	6	6	6	
TG	32,5	38	46,5	56,5	72	89	110	140	175	
XD	142	160	170	190	210	230	275	315	335	
Weight (g)	Aluminium	70	115	200	290	570	820	1710	3010	4380
	Steel	160	270	370	670	1110	2100	4150	/	/

Rear male clevis (with jointed head according to DIN 648K standard)

Coding: 13M.Ø.V

M	MATERIALS
	20 = Steel 80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125 160 = Ø160 200 = Ø200
V	VERSION
	25F = Steel rear male clevis (Ø32 ... Ø125) 15F = Aluminium rear male clevis

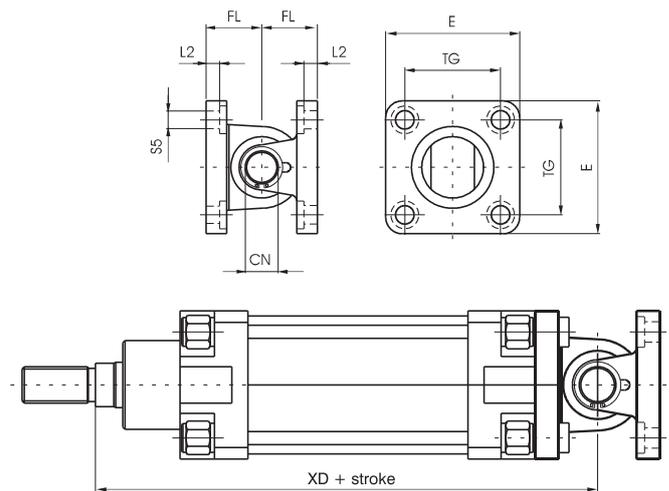


Bore		32	40	50	63	80	100	125	160	200
CN (H7)		10	12	16	16	20	20	30	35	35
E	Aluminium	45	52	65	75	95	115	140	180	220
	Steel	45	55	65	75	95	115	140	180	220
EN (-0.1)		14	16	21	21	25	25	37	43	43
ER	Aluminium	16	19	21	24	28.5	30	40	45	48
	Steel	15	18	20	23	27	30	40	/	/
EU		10.5	12	15	15	18	18	25	28	28
FL (JS 15)		22	25	27	32	36	41	50	55	60
H	Aluminium	9	9	11	11	14	14	20	20	25
	Steel	10	10	10	12	14	16	20	/	/
L2 (±0.5)		5.5	5.5	6.5	6.5	10	10	10	10	11
S5		6.6	6.6	9	9	11	11	14	18	18
TG		32.5	38	46.5	56.5	72	89	110	140	175
XD		142	160	170	190	210	230	275	315	335
Weight (g)	Aluminium	60	100	180	245	480	650	1410	2420	3840
	Steel	210	310	400	710	1350	2400	4000	/	/

Complete standard trunnion (with jointed head according to DIN 648K standards)

Coding: 13M.Ø.V

M	MATERIALS
	20 = Steel 80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125 160 = Ø160 200 = Ø200
V	VERSION
	26F = Steel complete standard trunnion (Ø32 ... Ø125) 36F = Aluminium complete standard trunnion

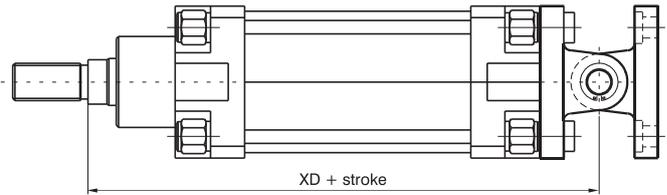
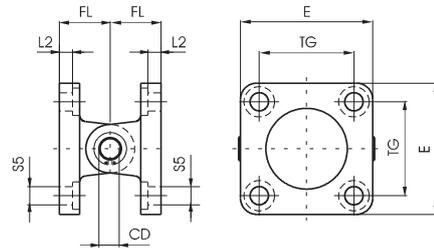


Bore		32	40	50	63	80	100	125	160	200
CN		10	12	16	16	20	20	30	35	35
E	Aluminium	45	52	65	75	95	115	140	180	220
	Steel	45	55	65	75	95	115	140	180	220
FL (JS 15)		22	25	27	32	36	41	50	55	60
L2 (±0.5)		5.5	5.5	6.5	6.5	10	10	10	10	11
S5		6.6	6.6	9	9	11	11	14	18	18
TG		32.5	38	46.5	56.5	72	89	110	140	175
XD		142	160	170	190	210	230	275	315	335
Weight (g)	Aluminium	130	215	380	535	1050	1470	3120	5430	8220
	Steel	380	580	770	1380	2460	4500	8150	/	/

Standard complete trunnion

Coding: 1300.Ø.22F

M	MATERIALS
	20 = Steel 80 = Aluminium
Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
160 = Ø160	
200 = Ø200	



Bore	32	40	50	63	80	100	125	160	200
CD	10	12	12	16	16	20	25	30	30
E	45	55	65	75	95	115	140	180	220
FL	22	25	27	32	36	41	50	55	60
L2 (±0.5)	5,5	5,5	6,5	6,5	10	10	10	10	11
S5	6,6	6,6	9	9	11	11	14	18	18
TG	32,5	38	46,5	56,5	72	89	110	140	175
XD	142	160	170	190	210	230	275	315	335
Weight (g)	360	580	780	1370	2370	4110	7670	12650	17480

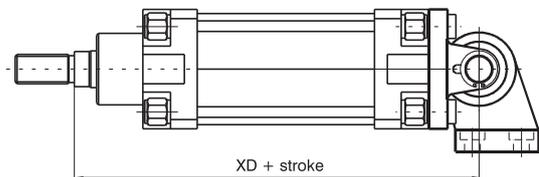
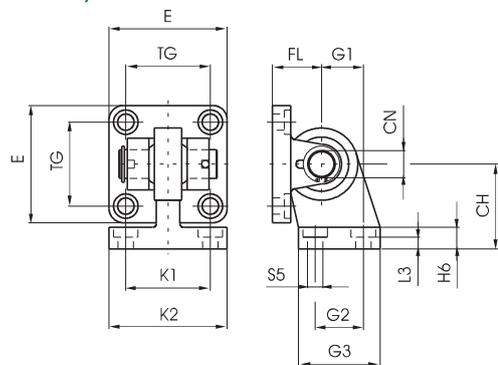
PNEUMATIC ACTUATION

Complete square angle trunnion (with joined head according to DIN 648K standards)

Coding: 1320.Ø.27F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
100 = Ø100	
125 = Ø125	

Steel
Counter clevis can be ordered separately with code 1320.Ø.28F

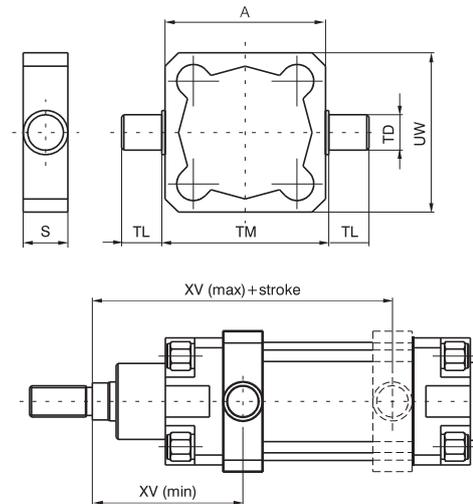


Bore	32	40	50	63	80	100	125
CH (JS 15)	32	36	45	50	63	71	90
CN	10	12	16	16	20	20	30
E	45	55	65	75	95	115	140
FL (JS 15)	22	25	27	32	36	41	50
G1 (JS 15)	21	24	33	37	47	55	70
G2 (JS 14)	18	22	30	35	40	50	60
G3	31	35	45	50	60	70	90
H6	10	10	12	12	14	15	20
K1 (JS 14)	38	41	50	52	66	76	94
K2	51	54	65	67	86	96	124
L3 (+0,5/-0)	8,5	8,5	10,5	10,5	11,5	12,5	17
S5	6,6	6,6	9	9	11	11	14
TG	32,5	38	46,5	56,5	72	89	110
XD	142	160	170	190	210	230	275
Weight (g)	330	480	830	1220	2100	3580	7000

Intermediate trunnion (Steel)

Coding: 1320.Ø.12F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
	160 = Ø160
	200 = Ø200



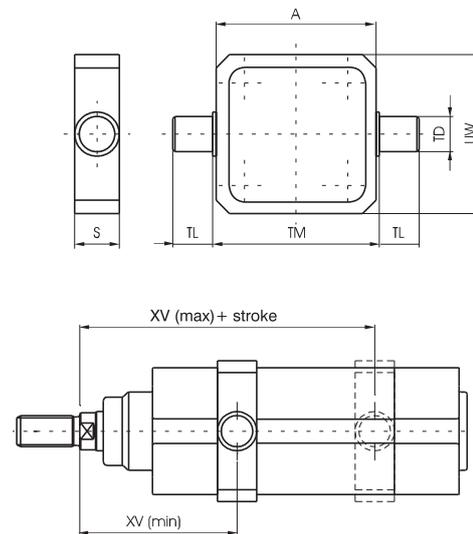
Clevis to be mounted on the barrel to have the centre of rotation of the hinge pin at a point between the end caps of the cylinder. It is attached to the barrel by means of eight pointed grains that block in the "V" groove of the four protruding shapes. In the case of anchorage subject to heavy use, it is recommended to connect the clevis once the right position has been found.
Attention: mounting of the clevis with contact to the end caps does not allow the use of the magnetic sensors as the switch limits.

Bore	32	40	50	63	80	100	125	160	200
A	49	62	73	87	109	130	155	190	240
S	18	21	21	27	27	32	32	40	40
TD (e9)	12	16	16	20	20	25	25	32	32
TL (h14)	12	16	16	20	20	25	25	32	32
TM (h14)	50	63	75	90	110	132	160	200	250
UW	59	62	73	87	109	130	155	190	240
XV (max.)	85	96	102	109	123.5	131.5	162	193	204
XV (min.)	61	69	78	86	96.5	108.5	128	150	168
Weight (g)	180	270	330	650	890	1550	1950	3580	5850

Intermediate trunnion (Steel)

Coding: 1386.Ø.12F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
100 = Ø100	



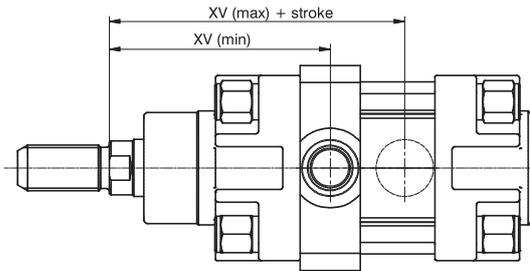
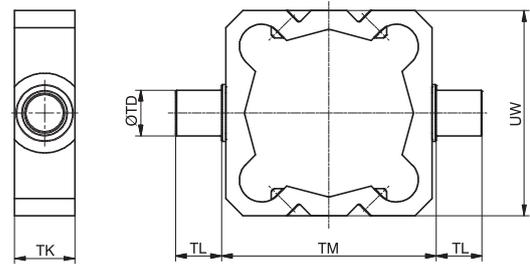
Clevis to be mounted on the barrel to have the centre of rotation of the hinge pin at a point between the end caps of the cylinder. It is attached to the barrel by means of eight pointed grains. In the case of anchorage subject to heavy use, it is recommended to connect the clevis once the right position has been found.
Attention: mounting of the clevis with contact to the end caps does not allow the use of the magnetic sensors as the switch limits.

Bore	32	40	50	63	80	100
A	49.8	62.6	74.1	89.1	109.1	130.1
S	18	21	21	27	27	30
TD (e9)	12	16	16	20	20	25
TL (h 14)	12	16	16	20	20	25
TM (h 14)	50	63	75	90	110	132
UW	70	78	91	94	130	145
XV (max.)	80	91.5	97.5	106.5	118.5	127
XV (min.)	66	73.5	82.5	88.5	101.5	113
Weight (g)	195	350	430	565	1035	1450

Intermediate trunnion (Aluminium with steel bushes)

Coding: 1320.Ø.12BF

BORE
32 = Ø32
40 = Ø40
50 = Ø50
63 = Ø63
80 = Ø80
100 = Ø100



Aluminium Intermediate Trunnion with steel bushes to be mounted on the barrel. This solution allows the cylinder to rotate around the hinge which can be mounted in any position between the end caps. It is attached to the barrel by means of 8 grub screws which secure the Trunnion to the extruded barrel

In the case of heavy duty applications it is recommended that the Trunnion is secured using expansion pins. In case of applications with high speed, high load and high pressure please contact our technical office.

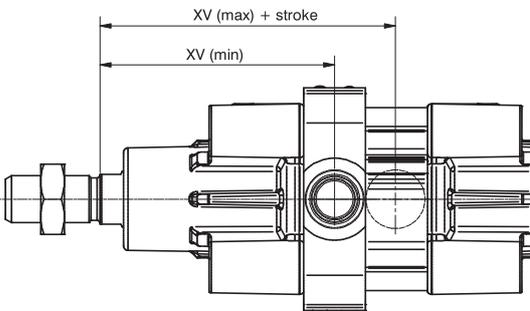
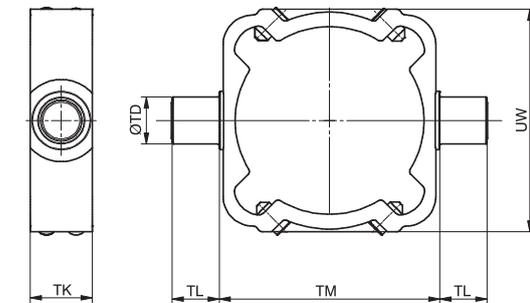
Attention: mounting of the clevis with contact to the end caps does not allow the use of the magnetic sensors as the switch limits.

Bore	32	40	50	63	80	100
TD	Ø12	Ø16	Ø16	Ø20	Ø20	Ø25
TL	12	16	16	20	20	25
TM	50	63	75	90	110	132
TK	18	21	21	27	27	32
UW	54	60	72	87	109	130
XV min.	61	69	78	86	96.5	108.5
XV max.	85	96	102	109	123.5	131.5
Weight (g)	70	110	140	280	370	630

Intermediate trunnion (Aluminium with steel bushes)

Coding: 1390.Ø.12F

BORE
32 = Ø32
40 = Ø40
50 = Ø50
63 = Ø63
80 = Ø80
100 = Ø100



Aluminium Intermediate Trunnion with steel bushes to be mounted on the barrel. This solution allows the cylinder to rotate around the hinge which can be mounted in any position between the end caps. It is attached to the barrel by means of 8 grub screws which secure the Trunnion to the extruded barrel

In the case of heavy duty applications it is recommended that the Trunnion is secured using expansion pins. In case of applications with high speed, high load and high pressure please contact our technical office.

Attention: If the Trunnion is mounted in direct contact with the cylinder end cap, it will not be possible to fit magnetic sensors at the end of stroke 1500_., RS_., HS_ series.

Bore	32	40	50	63	80	100
TD	Ø12	Ø16	Ø16	Ø20	Ø20	Ø25
TL	12	16	16	20	20	25
TM	53*	63	75	90	110	132
TK	18	21	21	27	27	32
UW	56	64	76	92	112	134
XV min.	65	74	80	87	99	109
XV max.	81	91	100	108	121	130.5
Weight (g)	60	100	125	240	320	540

* Ø32, TM: not according to standard ISO 15552

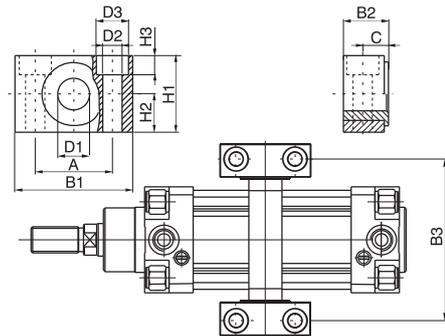
PNEUMATIC ACTUATION

Support for intermediate trunnion

Coding: 1320.Ø.12/1F

Ø	BORE
	32 = Ø32
	40 = Ø40
	...
	200 = Ø200

(1 piece)
Combining two supports to the intermediate trunnion it is possible to fix the cylinder on plane surface.

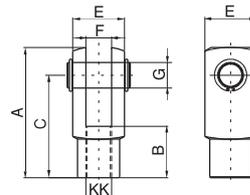


Bore	32	40	50	63	80	100	125	160	200
A (±0.2)	32	36	36	42	42	50	50	60	60
B1	46	55	55	65	65	75	75	92	92
B2	18	21	21	23	23	28.5	28.5	40	40
B3	71	87	99	116	136	164	192	245	295
C	10.5	12	12	13	13	16	16	22.5	22.5
D1 (F7)	12	16	16	20	20	25	25	32	32
D2	6.6	9	9	11	11	14	14	18	18
D3	11	15	15	18	18	20	20	26	26
H1	30	36	36	40	40	50	50	60	60
H2 (±0.1)	15	18	18	20	20	25	25	30	30
H3	7	9	9	11	11	13	13	17	17
Weight (g) (1 piece)	100	150	150	235	235	435	435	850	850

Fork with pin

Coding: 1320.Ø.13F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
	125 = Ø125
	160 = Ø160
200 = Ø200	



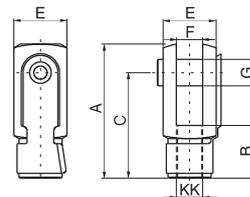
Element that when screwed to the rod consents a regular functioning even when there are significant lateral forces as the connection point. Made of zincplated steel.

Bore	32	40	50	63	80	100	125	160	200
A	52	62	83	83	105	105	148	188	188
B	20	24	32	32	40	40	56	72	72
C	40	48	64	64	80	80	110	144	144
E	20	24	32	32	40	40	55	70	70
F(B12)	10	12	16	16	20	20	30	35	35
G	10	12	16	16	20	20	30	35	35
KK	M10X1.25	M12X1.25	M16X1.5	M16X1.5	M20X1.5	M20X1.5	M27X2	M36X2	M36X2
Weight (g)	100	140	340	340	680	680	2500	4000	4000

Fork with clips

Coding: 1320.Ø.13/1F

Ø	BORE
	32 = Ø32
	40 = Ø40
	50 = Ø50
	63 = Ø63
	80 = Ø80
100 = Ø100	



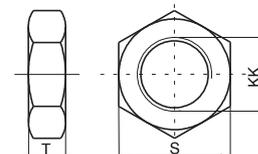
Element that when screwed to the rod consents a regular functioning even when there are significant lateral forces as the connection point. Made of zincplated steel.

Bore	32	40	50	63	80	100
A	52	62	83	83	105	105
B	20	24	32	32	40	40
C	40	48	64	64	80	80
E	20	24	32	32	40	40
F(B12)	10	12	16	16	20	20
G	10	12	16	16	20	20
KK	M10X1.25	M12X1.25	M16X1.5	M16X1.5	M20X1.5	M20X1.5
Weight (g)	100	140	340	340	680	680

Nuts

Coding: 1320.Ø.18F

Ø	BORE
	32 = Ø32
	40 = Ø40
	...
200 = Ø200	



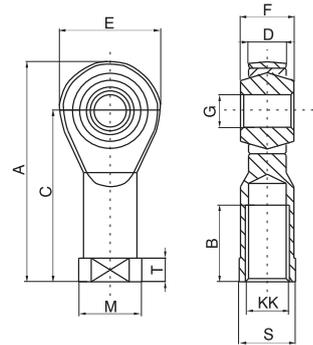
Used to block the position of the fork.

Bore	32	40	50	63	80	100	125	160	200
S	17	19	24	24	30	30	41	55	55
T	6	7	8	8	9	9	12	18	18
KK	M10X1.25	M12X1.25	M16X1.5	M16X1.5	M20X1.5	M20X1.5	M27X2	M36X2	M36X2
Weight (g)	15	20	20	20	40	40	100	210	210

Ball joint

Coding: 1320.Ø.32F

BORE
32 = Ø32
40 = Ø40
50 = Ø50
63 = Ø63
80 = Ø80
100 = Ø100
125 = Ø125
160 = Ø160
200 = Ø200

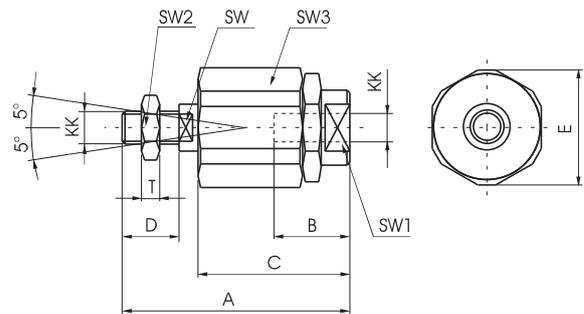


Bore	32	40	50	63	80	100	125	160	200
A	57	66	85	85	102	102	145	165	165
B	20	22	28	28	33	33	51	56	56
C	43	50	64	64	77	77	110	125	125
D (-0.1)	10.5	12	15	15	18	18	25	28	28
E	28	32	42	42	50	50	70	80	80
F	14	16	21	21	25	25	37	43	43
G (H7)	10	12	16	16	20	20	30	35	35
KK	M10x1.25	M12x1.25	M16x1.5	M16x1.5	M20x1.5	M20x1.5	M27x2	M36x2	M36x2
M	19	22	27	27	34	34	50	58	58
S	17	19	22	22	30	30	41	50	50
T	6.5	6.5	8	8	10	10	15	17	17
Weight (g)	76	110	220	220	410	410	1200	1600	1600

Self-aligning joint

Coding: 1320.Ø.33F

BORE
32 = Ø32
40 = Ø40
50 = Ø50
63 = Ø63
80 = Ø80
100 = Ø100



Bore	32	40	50	63	80	100
A	71	75	103	103	119	119
B	20	20	32	32	40	40
C	46	46	63	63	71	71
D	20	24	32	32	40	40
E	32	32	45	45	45	45
KK	M10x1.25	M12x1.25	M16x1.5	M16x1.5	M20x1.5	M20x1.5
SW	12	12	20	20	20	20
SW1	19	19	27	27	27	27
SW2	17	19	24	24	30	30
SW3	30	30	41	41	41	41
T	6	7	8	8	9	9
Weight (g)	220	230	660	660	700	700

PNEUMATIC ACTUATION