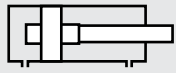
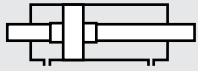


CETOP RP 53P-43P
PNEUMATIC CYLINDERS
PNS SERIES Ø125 - Ø320



**PNS SERIES**

CETOP RP 53P - Ø125 - Ø320

CUSHIONING CYLINDER
WITH ALUMINIUM TUBEMAXIMUM SEAL PERFORMANCE
BECAUSE OF ELOXAL PLATE**PNS:** DOUBLE ACTING CYLINDER**PNS-Y:** DOUBLE ACTING CYLINDER
WITH CUSHIONING**PNS-D:** DOUBLE ACTING CYLINDER
WITH DOUBLE ROD**PNS-YD:** DOUBLE ACTING CYLINDER
WITH CUSHIONING AND DOUBLE ROD**Example of order:**
PNS-Y
 Product Code

125-0200
 Cylinder Ø
 Stroke

SFWCFM
 Cylinder
 Mountings

K1 M2
 Variants from
 Standard System
VARIANTS FROM STANDARD SYSTEM:

- R1: Stainless Steel Piston Rod (SS 304-SS 316)
- R2: Stainless Steel Tie Rods (SS 304-SS 316)
- R3: Stainless Steel Screws for Cylinder Covers (SS 304)
- R4: Stainless Steel Nut for Piston Rod (SS 304)
- M1: Extended male Piston Rod Thread
- M2: Female Piston Rod Thread
- M3: Special Piston Rod Thread
- M4: Extended Piston Rod
- K1: Seals for Max. 150°C (Viton)
- K2: Piston Rod Seal NBR + PA
- K3: Seals NBR
- K4: Piston Rod Seal Viton

Working Fluid:

Filtered and lubricated air

Operating Temperature Range:

NBR+Polyurethane (PU) : (-20°C) - (+80°C)

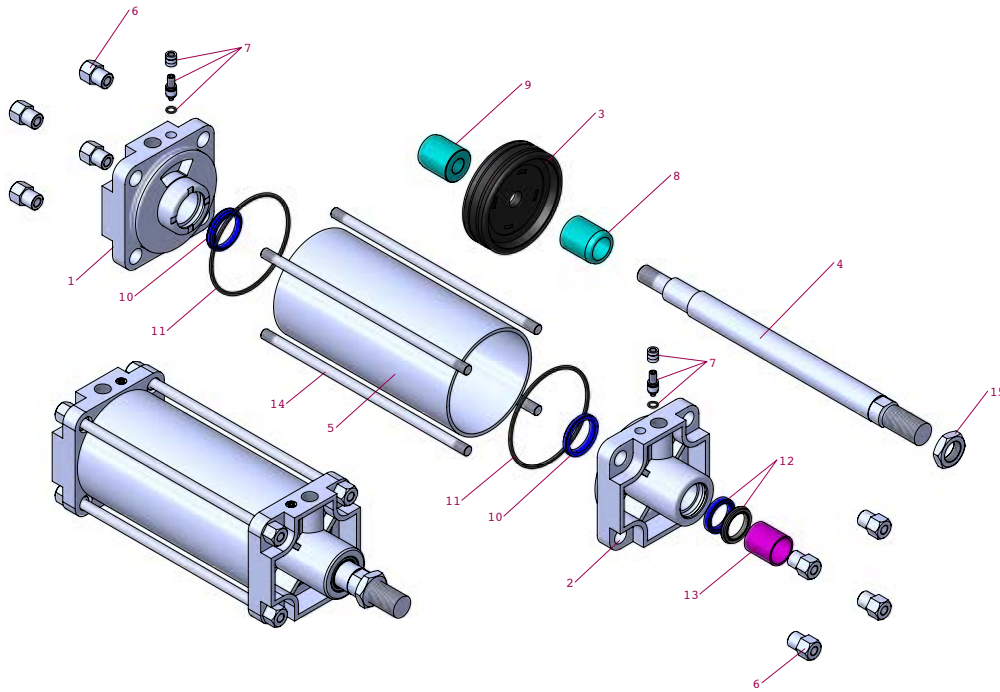
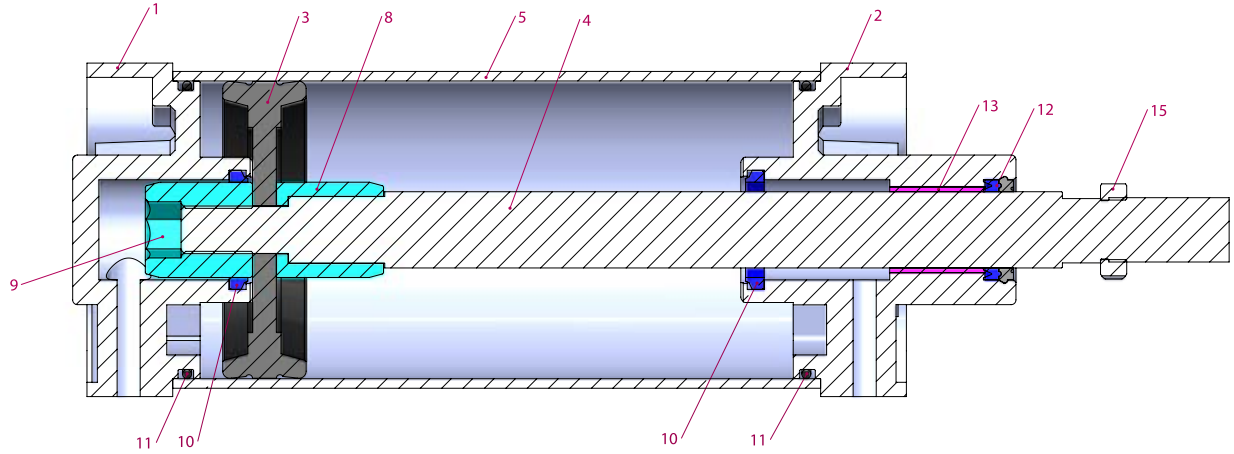
Viton (FKM) : (-30°C) - (+150°C)

Max. Work Pressure:

10 Bar

Force:

Cylinder Ø mm	Rod Ø mm	Thrust and traction forces (6 Bar)	
		Thrust Force (N)	Traction Force (N)
125	32	7360	6880
160	45	12064	11110
200	45	18850	17890
250	50	29450	28270
320	63	48250	46380

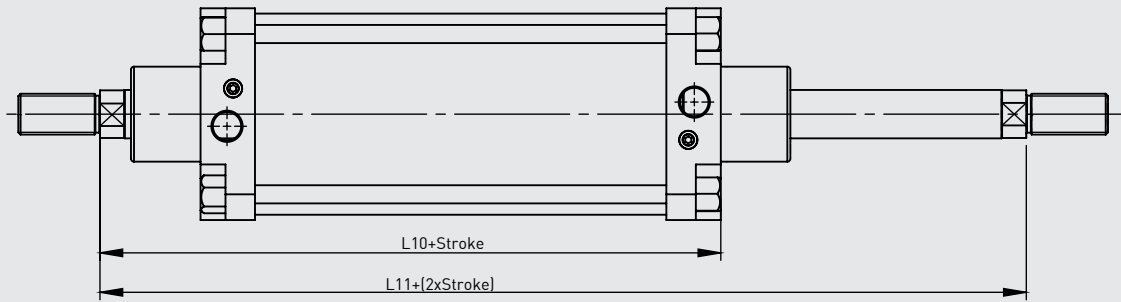
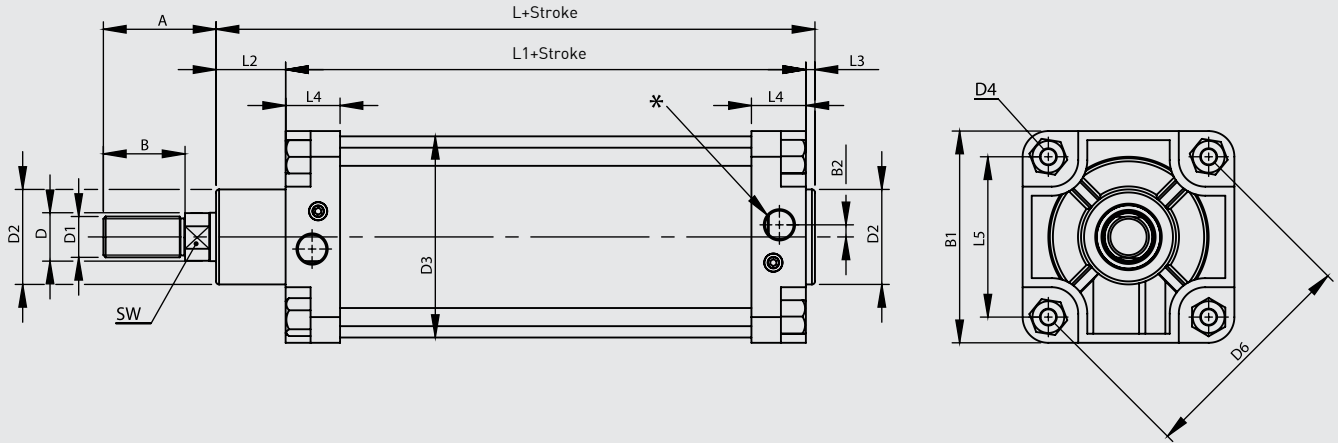


No	MATERIAL NAME	CHARACTERISTIC	PC.
1	Rear Head	Aluminium	1
2	Front Head	Aluminium	1
3	Piston Seal	NBR	1
4	Piston Rod	CK4S Hard Chrome Plated	1
5	Tube	Al Mg Si 0,5+Eloxal Plated	1
6	T-Nut	Galvanized Steel	8
7	Cushioning Screw	Brass+AISI 303 NBR	2
8	Cushioning Tube	Aluminium	1
9	Cushioning Fem. Thread	Aluminium	1
10	Cushioning Seal	PU	2
11	Head O-ring	NBR	2

No	MATERIAL NAME	CHARACTERISTIC	PC.
12	Rod Seal	HYTREL + PU	1
13	Guiding Bush	CSB-40	1
14	Tie-Rod	Galvanized Steel	4
15	Nut	Galvanized Steel	1

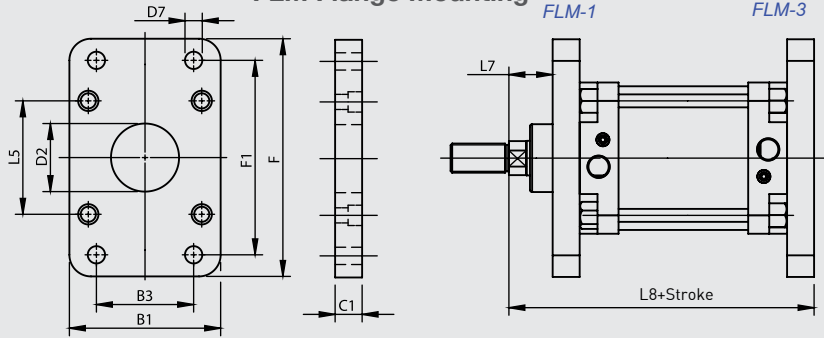
Note:

The Parts (Nr. 7,8,9,10) don't exist in the Models Without Cushioning. Fibre Nut and Washer exist instead of the Part Nr. 9

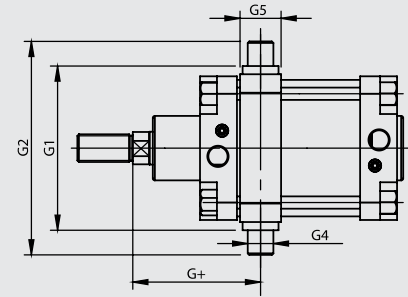


Cylinder Ø mm	A	B	B1	B2	D Ø	D1	D2 Ø	D3 Ø	D4	D6 Ø	L	L1	L2	L3	L4	L5	L10	L11	SW	*
125	70	48	140	15	32	M27x2	63	133	M12	150	208	150	48	6	36	106	220	290	27	G1/2"
160	102	72	180	22	45	M36x2	80	170	M14	190	235	170	55	10	46	134,4	255	340	41	G3/4"
200	102	72	220	25	45	M36x2	80	210	M16	234	257	180	65	12	46	165,5	275	370	41	G3/4"
250	114	84	270	25	50	M42x2	100	262	M20	288	289	200	75	14	50	203,7	305	410	46	G1"
320	126	96	340	30	63	M48x2	110	336	M24	360	326	220	90	16	56	254,6	340	460	55	G1"

FLM Flange Mounting

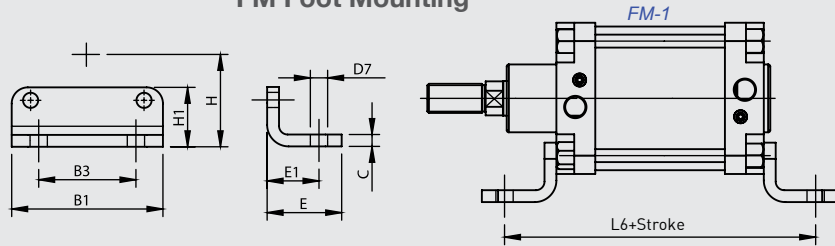


CTM-1 Central Trunnion Mounting

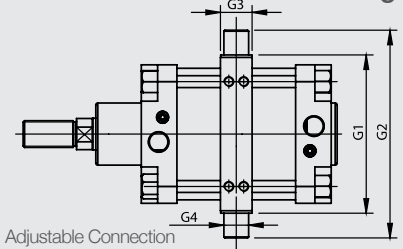


CTM-1 : Fixed Connection

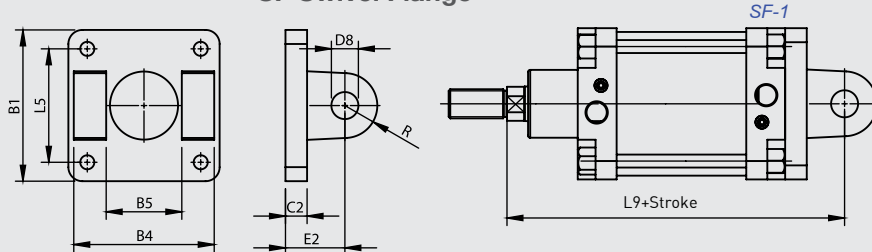
FM Foot Mounting



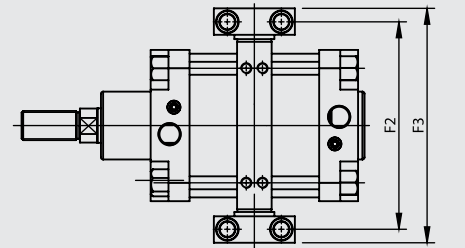
CTM-3 Central Trunnion Mounting



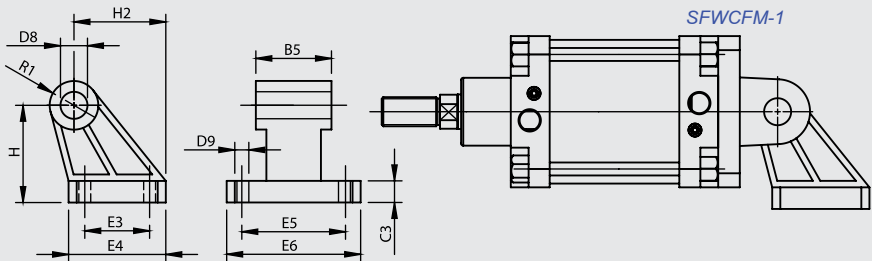
SF Swivel Flange



TSM Trunnion Support Mounting



CFM Clevis Foot Mounting



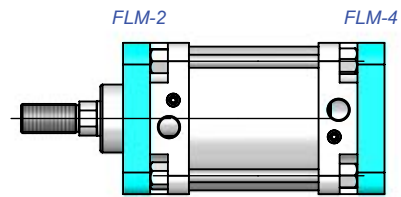
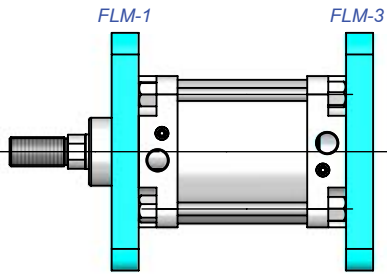
SFWCFM Swivel Flange with Clevis Foot Mounting

SFWCFM-1

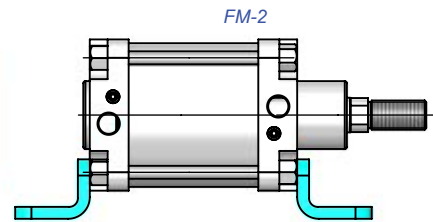
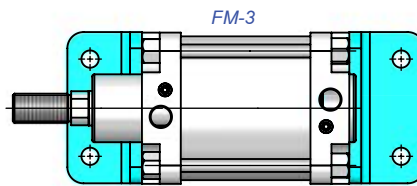
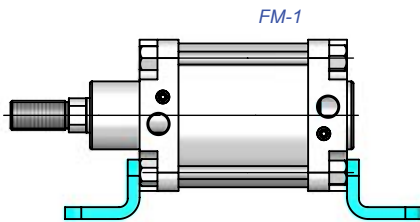
Cylinder Ø mm	B1	B3	B4	B5	C	C1	C2	C3	D2 Ø	D7 Ø	D8 Ø	D9 Ø	E	E1	E2	E3	E4	E5	E6	F	F1	F2	F3	F4 Ø
	JS14	h14	H14						H11	H13	H9	H13				JS14		JS14			JS14			H13
125	140	90	130	70	11	25	20	20	63	16	25	14	69	50	55	60	90	94	124	220	180	192	217	20
160	180	115	170	90	13	25	22	25	80	18	30	14	87	65	60	88	126	118	156	280	230	245	280	26
200	220	135	170	90	15	25	25	30	80	22	30	18	95	70	60	90	130	122	162	320	270	295	330	26
250	270	165	200	110	20	25	25	35	100	26	40	22	105	75	70	110	160	150	200	390	330	375	420	33
320	340	200	220	120	23	30	30	40	110	33	45	26	125	85	80	122	186	170	234	470	400	465	520	40

Cylinder Ø mm	F5 Ø	F6	F7	F8	F9	F10	F11	G1	G2	G3	G4 Ø	G5	G+	H	H1	H2	L5	L6	L7	L8	L9	R	R1
	H13			±0,3				h14			e9			JS16									
125	14	50	13	50	75	24.5	16	160	210	32	25	38	125	90	55	85	106	250	45	245	275	30	22.5
160	18	60	17	60	92	36	22.5	200	264	40	32	48	155	115	70	116	134.4	300	60	280	315	32	31.5
200	18	60	17	60	92	36	22.5	250	314	40	32	48	165	135	80	125	165.5	320	70	300	335	35	31.5
250	22	70	21.5	90	140	45	27.5	320	400	50	40	62	186	165	100	153	203.7	350	80	330	375	45	40
320	26	80	25.5	100	150	55	32.5	400	500	60	50	65	210	200	120	182	254.6	390	90	370	420	54	45

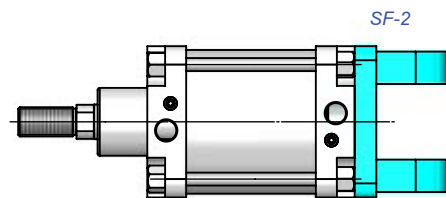
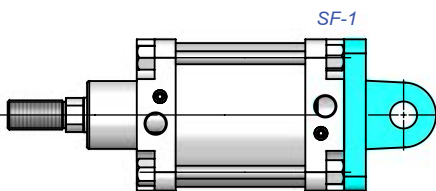
FLM Flange Mounting



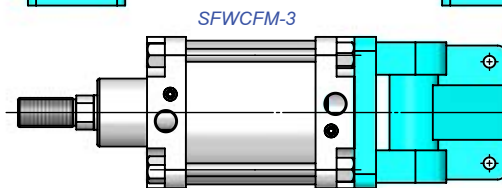
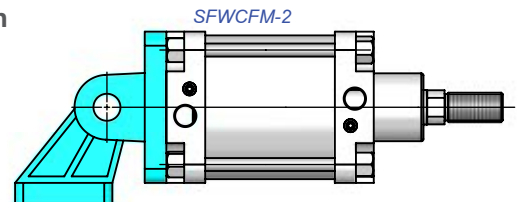
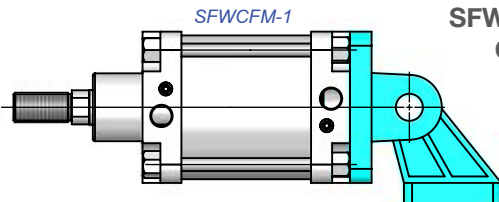
FM Foot Mounting



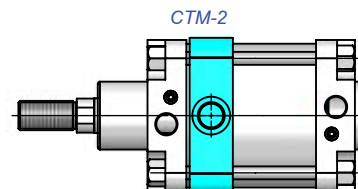
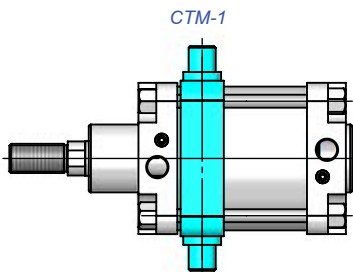
SF Swivel Flange



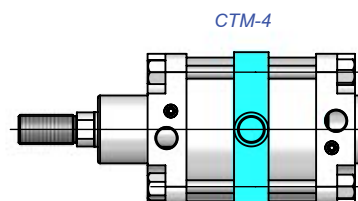
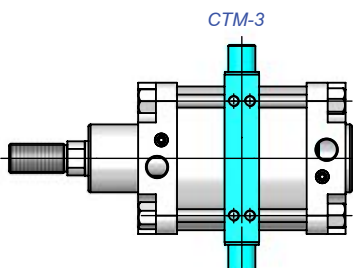
SFWCFM Swivel Flange with Clevis Foot Mounting



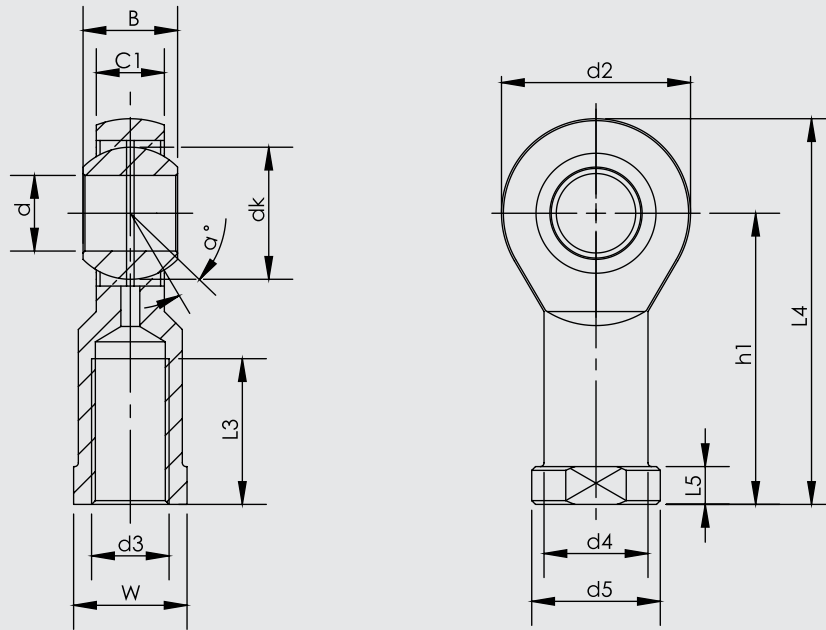
CTM Central Trunnion Mounting



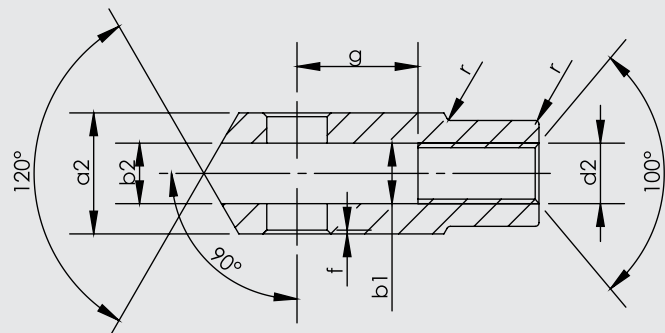
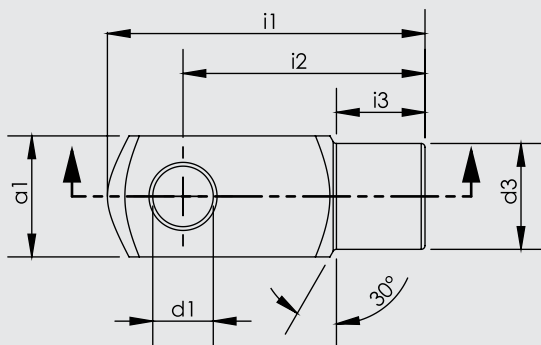
CTM-1-2
Fixed Connection



CTM-3-4
Adjustable Connection



Part No.	Dimensions (mm)													
	d	d3 6H	B	C1	W	L3 min	d2	L4	h1	L5	d4	d5	dk	a°
KMB 28	28	M27x2.0	35	24	41	48	66	136	103	14	37	46	47.6	15
KMB 30-1	30	M27x2.0	37	25	41	51	70	145	110	15	40	50	50.8	17
KMB 30	30	M30x2.0	37	25	41	51	70	145	110	15	40	50	50.8	17
KMB 35	35	M36x2.0	43	28	50	56	81	165.5	125	17	46	58	57.1	16
KMB 35 UK	35	M36x3.0	25	21	50	60	82	166	125	15	47	58	47	6
KMB 40 UK	40	M39x3.0	28	23	55	65	92	188	142	18	52	65	53	7
KMB 40	40	M42x2.0	49	33	55	60	91	187.5	142	19	53	65	66.6	17
KMB 50 UK	50	M45x3.0	35	30	65	68	112	216	160	20	62	75	66	6
KMB 50	50	M48x2.0	60	45	65	65	117	218.5	160	23	65	75	82.5	12



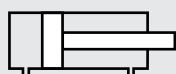
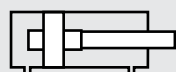
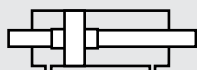
Cylinder Ø mm	d1 H9	g ±0,5	a1 h 11	a2 +0,3 -0,16	b1 B 13	b2	d2 6H	d3 ±0,3	f ±0,2	i1 ±0,5	i2	i3 ±0,2	r
125	25	50	50	50	25	25	M27x2	42	1.5	132	100	36	1.5
160	35	72	70	70	35	35	M36x2	60	2	188	144	41	2
200	35	72	70	70	35	35	M36x2	60	2	188	144	41	2
250	40	96	80	80	40	40	M42x2	70	3	220	168	43	3
320	50	111	90	90	50	50	M48x2	80	3	250	192	44	3

CETOP RP 53P-43P
PNEUMATIC CYLINDERS
PNS SERIES Ø32 - Ø100



**PNS SERIES**

CETOP RP 43P - Ø32 - Ø100

CUSHIONING CYLINDER
WITH STEEL TUBEPNS IS ALSO AVAILABLE WITH HIGH
TEMPERATURE ENDURANCE SEALS
AND THE FAVORITE REQUIRE IN THE
MARKET SINCE 25 YEARS**PNS:** DOUBLE ACTING CYLINDER**PNS-Y:** DOUBLE ACTING CYLINDER
WITH CUSHIONING**PNS-D:** DOUBLE ACTING CYLINDER
WITH DOUBLE ROD**PNS-YD:** DOUBLE ACTING CYLINDER
WITH CUSHIONING AND DOUBLE ROD**Example of order:**PNS-Y

Product Code

032-0100Cylinder Ø
StrokeFMCylinder
MountingsK4Variants from
Standard System**VARIANTS FROM STANDARD SYSTEM:**

R1: Stainless Steel Piston Rod (SS 304-SS 316)

R4: Stainless Steel Nut for Piston Rod (SS 304)

M1: Extended male Piston Rod Thread

M2: Female Piston Rod Thread

M3: Special Piston Rod Thread

M4: Extended Piston Rod

K1: Seals for Max. 150°C (Viton)

K2: Piston Rod Seal NBR + PA

K3: Seals NBR

K4: Piston Rod Seal Viton

Force:

Cylinder Ø mm	Rod Ø mm	Thrust and traction forces (6 Bar)	
		Thrust Force (N)	Traction Force (N)
32	12	482	415
40	16	754	633
50	20	1178	990
63	20	1870	1682
80	25	3016	2721
100	25	4712	4418

Working Fluid:

Filtered and lubricated air

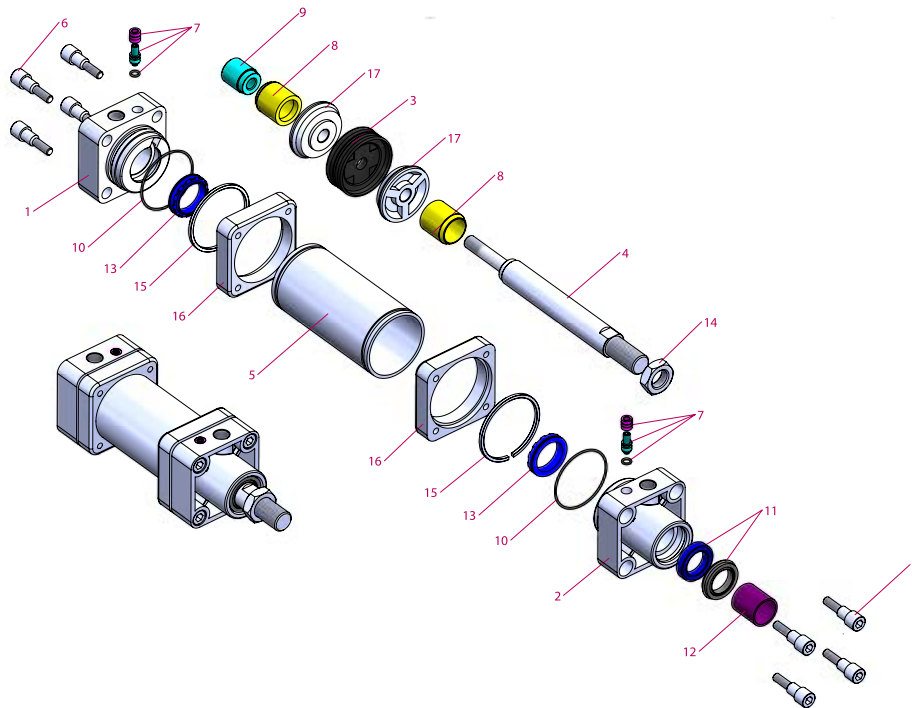
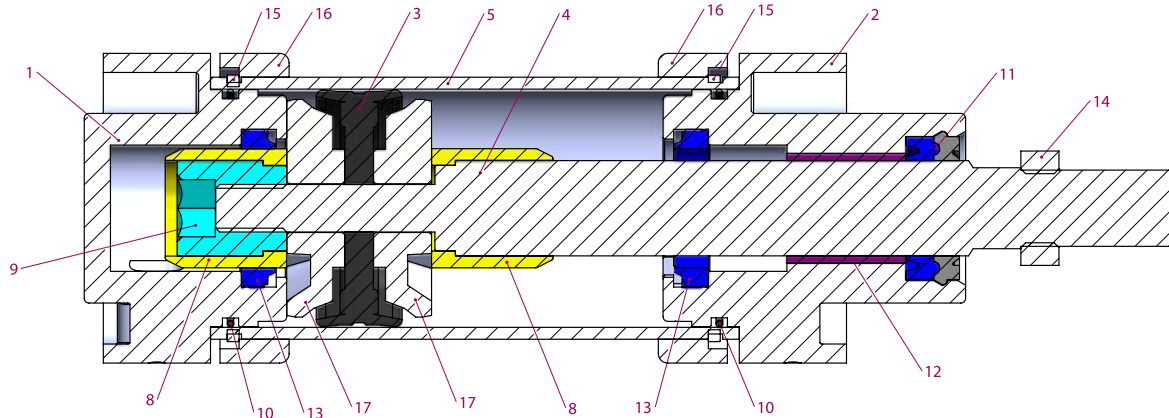
Operating Temperature Range:

NBR+Polyurethane (PU) : (-20°C) - (+80°C)

Viton (FKM) : (-30°C) - (+150°C)

Max. Work Pressure:

10 Bar



No	MATERIAL NAME	CHARACTERISTIC	PC.
1	Rear Head	Aluminium	1
2	Front Head	Aluminium	1
3	Piston Seal	NBR	1
4	Piston Rod	CK45 Hard Chrome Plated	1
5	Tube	St 52,3 H10 Steel	1
6	Bolt	Galvanized Steel	8
7	Cushioning Screw	Brass+AISI 303 NBR	2
8	Cushioning Plastic	Polyacetal	2
9	Cushioning Fem. Thread	Galvanized Steel	1
10	Head O-ring	NBR	2
11	Rod Seal	HYTREL + PU	1

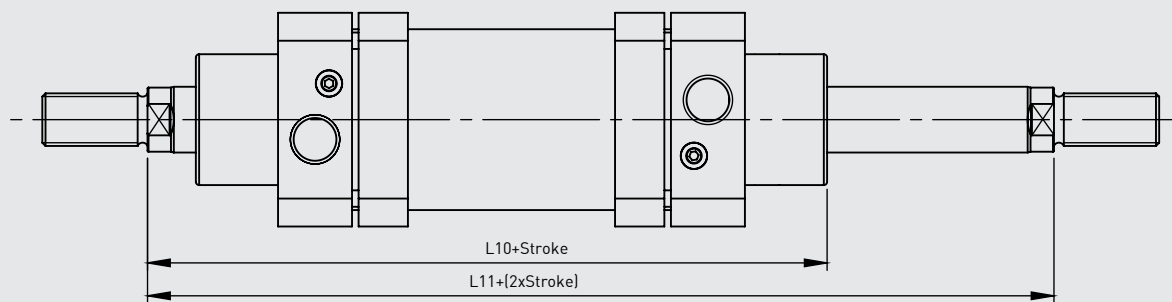
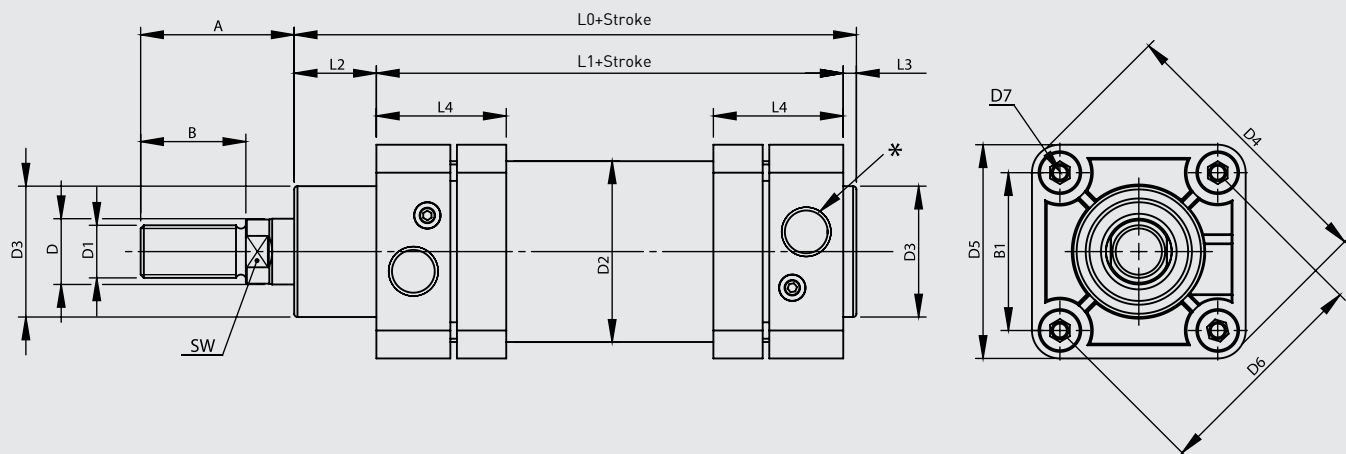
No	MATERIAL NAME	CHARACTERISTIC	PC.
12	Guiding Bush	CSB-40	1
13	Cushioning Seal	PU	2
14	Nut	Galvanized Steel	1
15	Circle Mounting Ret. Ring	Steel	2
16	Circle Mounting	Aluminium	2
17	Piston Seal Washer	Aluminium	2

Note:

Dia 32: Instead of Cushioning Plastic is used Cushioning yellow and instead of Cushioning Plastic Female Thread is used Cushioning yellow Female Thread. (Material:Brass)

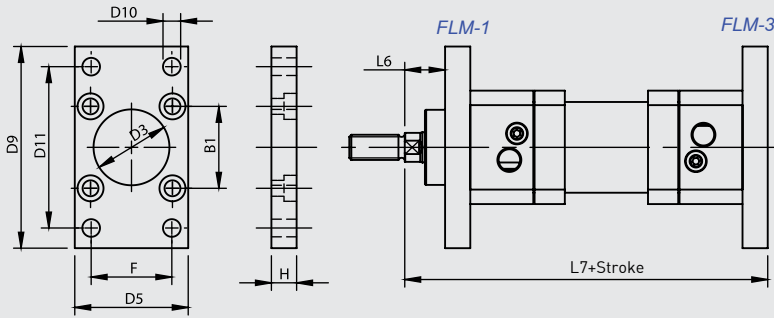
The Piston Seal Washers exist only as Ø32, Ø40, Ø50

The Parts [Nr. 7,8,9,13] don't exist in the Models Without Cushioning. Fibre Nut and Washer exist instead of the Part Nr. 9

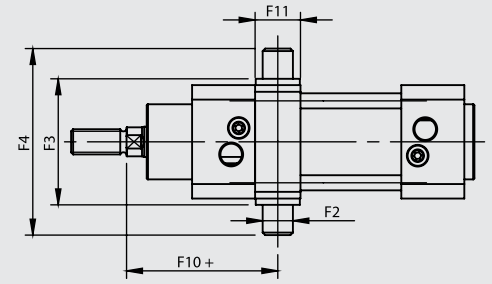


Cylinder Ø mm	A	B	B1	D Ø	D1	D2 Ø	D3 Ø	D4	D5	D6 Ø	D7	L0	L1	L2	L3	L4	L10	L11	SW	*
32	30	20	32,5	12	M10x1.25	36	30	58	45	46	M5	114	94	16	4	40	120	146	10	G1/8"
40	34	24	39,6	16	M12x1.25	45	35	71	54	56	M5	130,5	105	20	4	38	135	165	13	G1/4"
50	44	32	48	20	M16x1.5	55	40	85	65	68	M6	136	106	25	4	40	143	180	17	G1/4"
63	44	32	59,4	20	M16x1.5	68	42	105	80	84	M6	149	115	28	4	46	155	195	17	G3/8"
80	54	40	70,7	25	M20x1.5	86	48	125	96	100	M8	164	124	34	4	50	172	220	22	G3/8"
100	53	40	93,4	25	M20x1.5	107	52	166	126	132	M8	181	134	40	4	56	187	240	22	G1/2"

FLM Flange Mounting

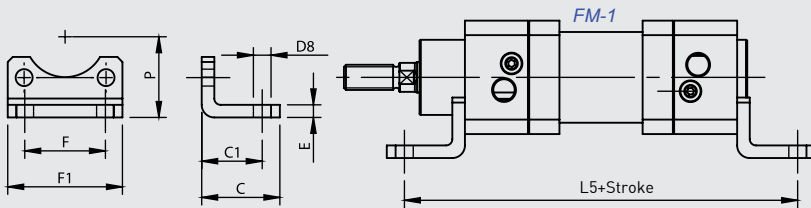


CTM-1 Central Trunnion Mounting

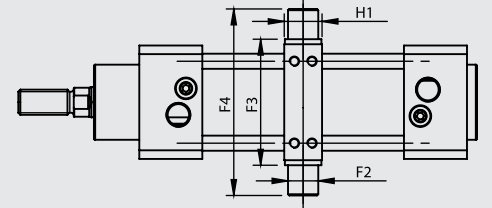


CTM-1 : Fixed Connection

FM Foot Mounting

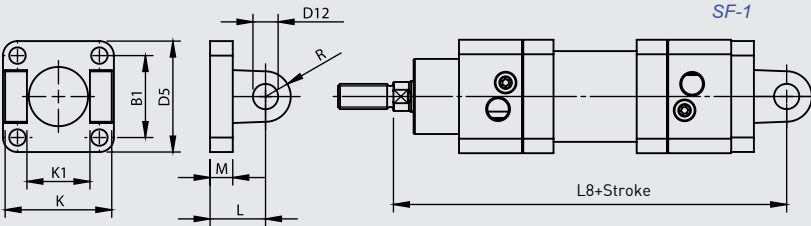


CTM-3 Central Trunnion Mounting



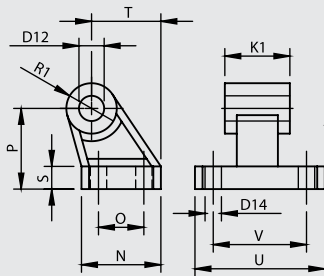
CTM-3 : Adjustable Connection

SF Swivel Flange

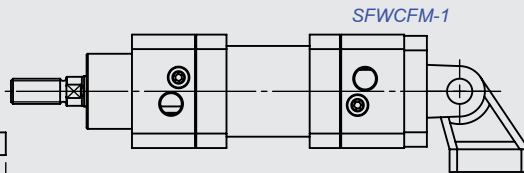


SF-1

CFM Clevis Foot Mounting

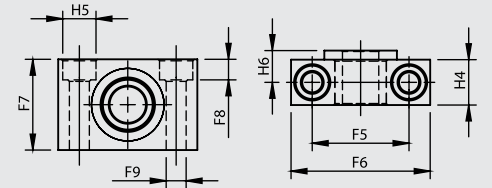
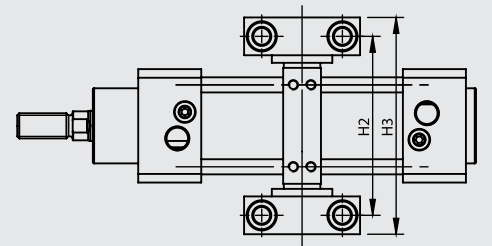


SFWCFM Swivel Flange with Clevis Foot Mounting



SFWCFM-1

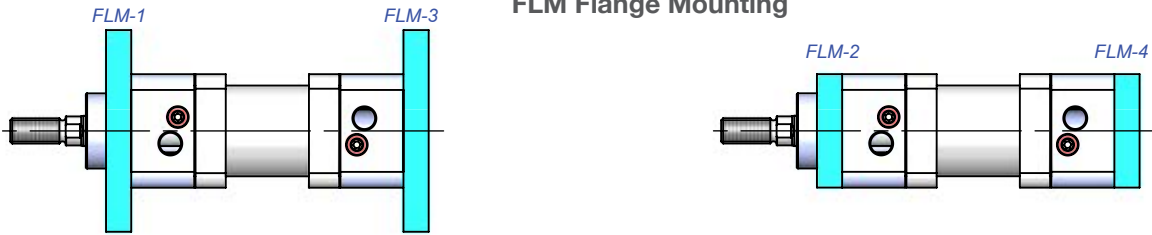
TSM Trunnion Support Mounting



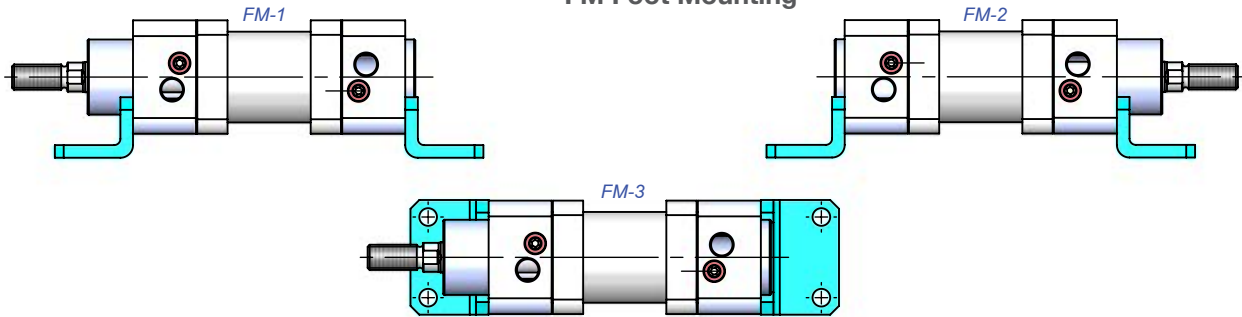
Cylinder Ø mm	B1	C	C1	D3 Ø H11	D5	D8 Ø H14	D9	D10 Ø H13	D11 JS14	D12 Ø H9	D14 Ø H13	E	F	F1 JS14	F2 Ø e9	F3 h14	F4	F5 ±0,2	F6	F7	F8	F9 Ø H13	F10 +	F11
32	32.5	32	24	30	45	7	77	7	64	10	6.6	4	32	45	12	50	74	32	46	30	6.8	6.6	65	21
40	39.6	38	28	35	54	9	90	9	72	12	6.6	5	36	54	16	63	95	36	55	36	9	9	69	24
50	48	42	32	40	65	9	110	9	90	12	9	6	45	65	16	75	107	36	55	36	9	9	79	28
63	59.4	50	35	42	80	9	125	9	100	16	9	6	50	80	20	90	130	42	65	40	11	11	87	28
80	70.7	60	43	48	96	12	154	12	126	16	11	8	63	96	20	110	150	42	65	40	11	11	98	33
100	93.4	57	43	52	126	14	186	14	150	20	11	8	75	126	25	132	182	50	75	50	13	14	108	38

Cylinder Ø mm	H	H1	H2	H3	H4	H5 Ø H13	H6	K h14	K1 H14	L	L5	L6	L7	L8	M	N	O JS14	P JS16	R	R1	S	T	U	V JS14
32	10	15	71	86	15	11	10.5	45	26	22	142	16	130	142	8	31	18	32	10	10	8	27.5	51	38
40	10	20	87	105	18	15	12	52	28	25	161	20	145	160	9	35	22	36	13	11	10	30.5	54	41
50	12	20	99	117	18	15	12	60	32	27	170	25	155	170	11	45	30	45	16	13	12	40.5	65	50
63	15	25	116	136	20	18	13	70	40	35	185	25	170	190	12	50	35	50	18	15	12	44.5	67	52
80	18	25	136	156	20	18	13	90	50	38	210	30	190	210	14	60	40	63	18	15	14	57	86	66
100	18	30	164	189	24.5	20	16	110	60	43	220	35	205	230	15	70	50	71	23	19	15	65	96	76

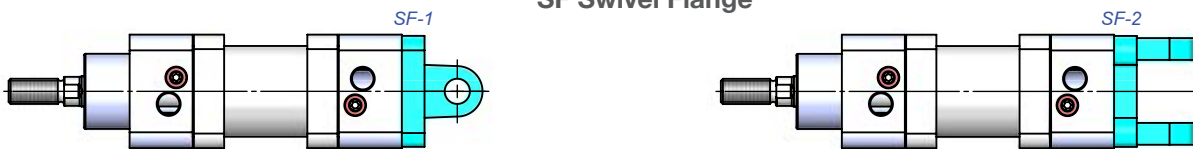
FLM Flange Mounting



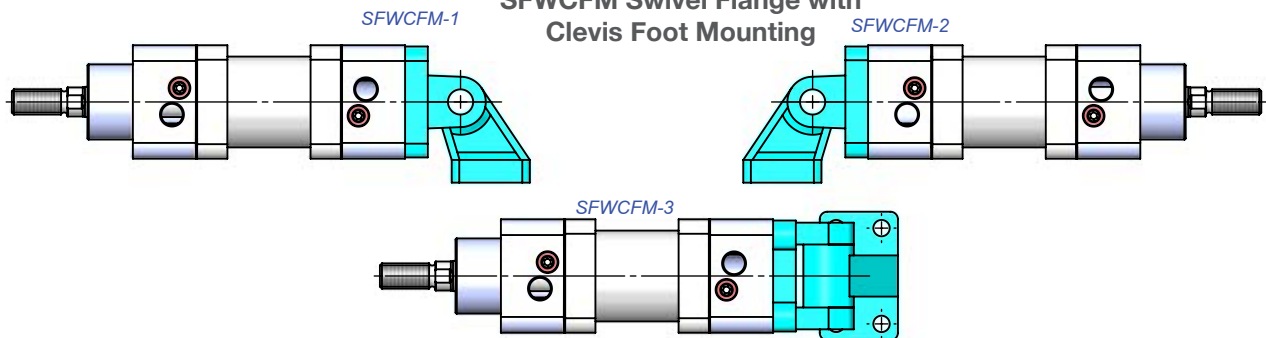
FM Foot Mounting



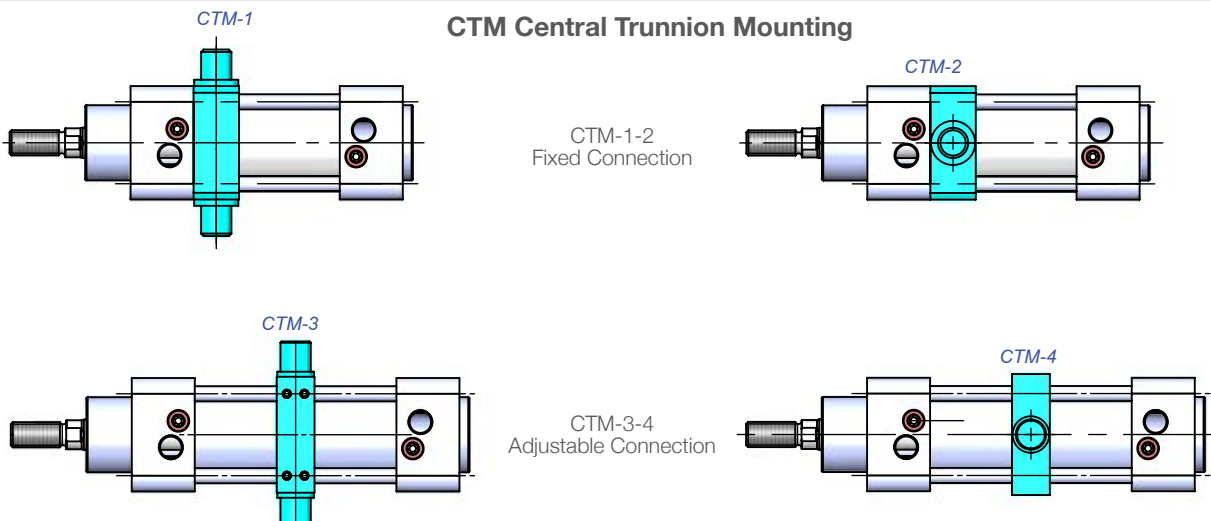
SF Swivel Flange

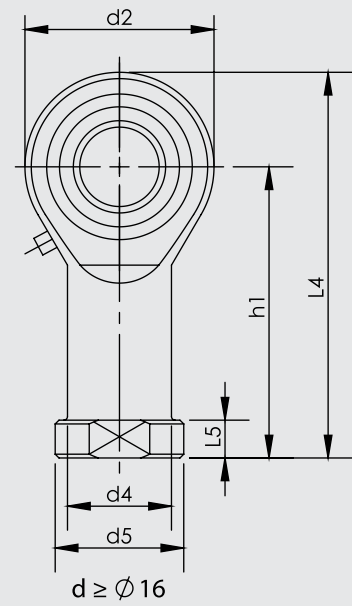
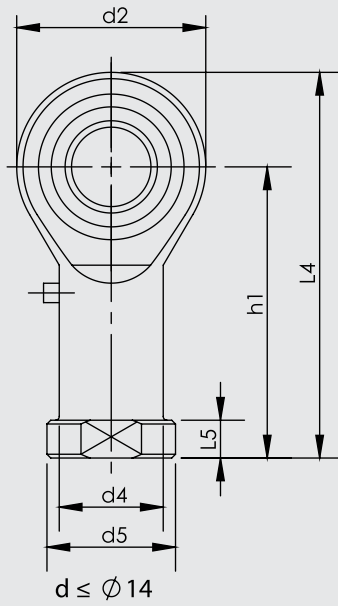
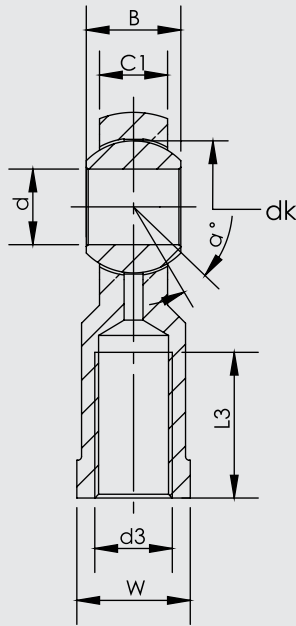


SFWCFM Swivel Flange with Clevis Foot Mounting

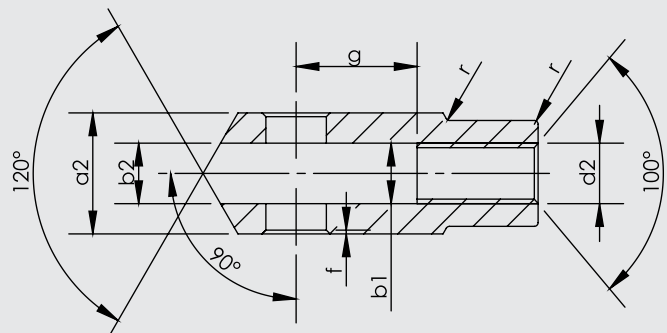
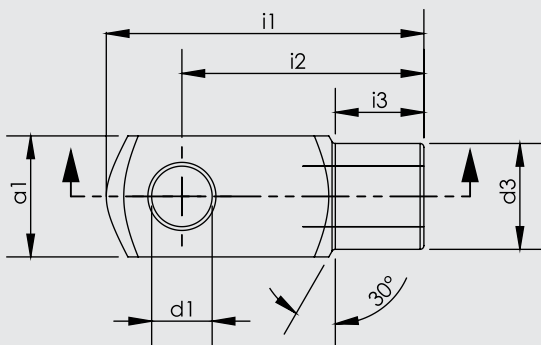


CTM Central Trunnion Mounting





Part No.	Dimensions (mm)													
	d	d3 6H	B	C1	W	L3 min	d2	L4	h1	L5	d4	d5	dk	a°
KMB 10 -1	10	M10x1.25	14	10.5	17	20	26	56	43	6.5	15	19	19.05	13
KMB 12 -1	12	M12x1.25	16	12	19	22	30	65	50	6.5	17.5	22	22.225	13
KMB 16 -1	16	M16x1.5	21	15	22	28	40	84	64	8	22	27	28.575	15
KMB 20	20	M20x1.5	25	18	30	33	50	102	77	10	27.5	34	34.925	14



Cylinder Ø mm	d1 H9	g ±0,5	a1 h 11	a2 ±0,3 -0,16	b1 B 13	b2	d2 6H	d3 ±0,3	f ±0,2	i1 ±0,5	i2	i3 ±0,2	r
32	10	20	20	20	10	10	M10x1.25	18	0.5	52	40	15	0.5
40	12	24	24	24	12	12	M12x1.25	20	0.5	62	48	18	0.5
50	16	32	32	32	16	16	M16x1.5	26	1	83	64	24	1
63	16	32	32	32	16	16	M16x1.5	26	1	83	64	24	1
80	20	40	40	40	20	20	M20x1.5	34	1.5	105	80	30	1.5
100	20	40	40	40	20	20	M20x1.5	34	1.5	105	80	30	1.5

**CETOP RP 53P-43P
PNEUMATIC CYLINDERS
PAG SERIES Ø32 - Ø100**

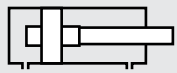
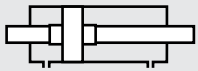


**PAG SERIES**

CETOP RP 43P - Ø32 - Ø100

CUSHIONING CYLINDER

WITH LONG-LIVED AND HIGH
PERFORMANCE THE LITTLE GIANT
SINCE 20 YEARS

**PAG:** DOUBLE ACTING CYLINDER**PAG-Y:** DOUBLE ACTING CYLINDER
WITH CUSHIONING**PAG-D:** DOUBLE ACTING CYLINDER
WITH DOUBLE ROD**PAG-YD:** DOUBLE ACTING CYLINDER
WITH CUSHIONING AND DOUBLE ROD**Example of order:**

PAG-Y
Product Code

040-0500
Cylinder Ø
Stroke

SF RE
Cylinder
Mountings

K1
Variants from
Standard System

VARIANTS FROM STANDARD SYSTEM:

R1: Stainless Steel Piston Rod (SS 304-SS 316)

R4: Stainless Steel Nut for Piston Rod (SS 304)

M1: Extended male Piston Rod Thread

M2: Female Piston Rod Thread

M3: Special Piston Rod Thread

M4: Extended Piston Rod

K1: Seals for Max. 150°C (Viton)

K2: Piston Rod Seal NBR + PA

K3: Seals NBR

K4: Piston Rod Seal Viton

Force:

Cylinder Ø mm	Rod Ø mm	Thrust and traction forces (6 Bar)	
		Thrust Force (N)	Traction Force (N)
32	12	482	415
40	16	754	633
50	20	1178	990
63	20	1870	1682
80	25	3016	2721
100	25	4712	4418

Working Fluid:

Filtered and lubricated air

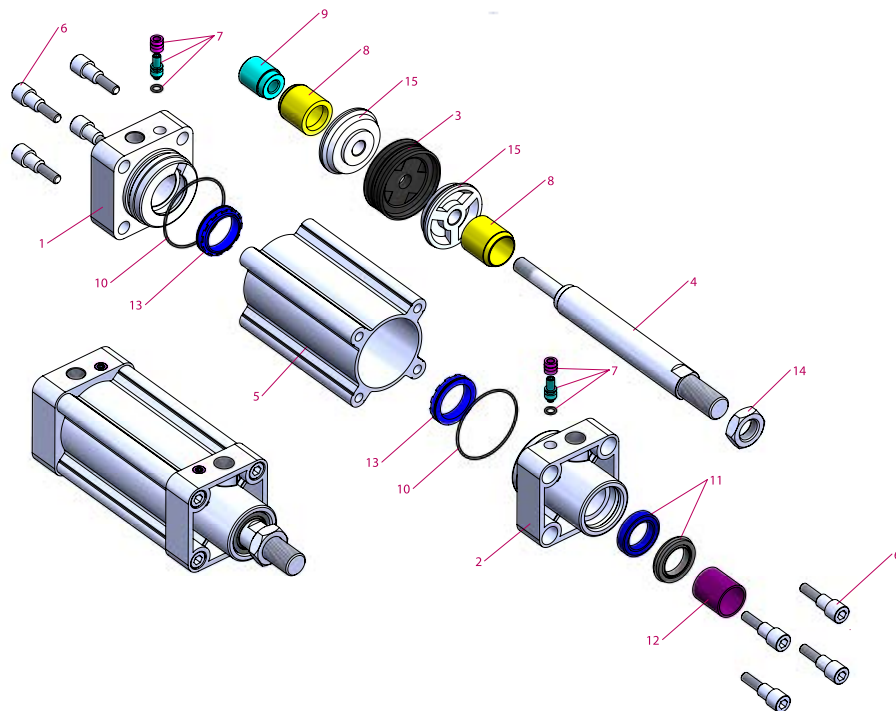
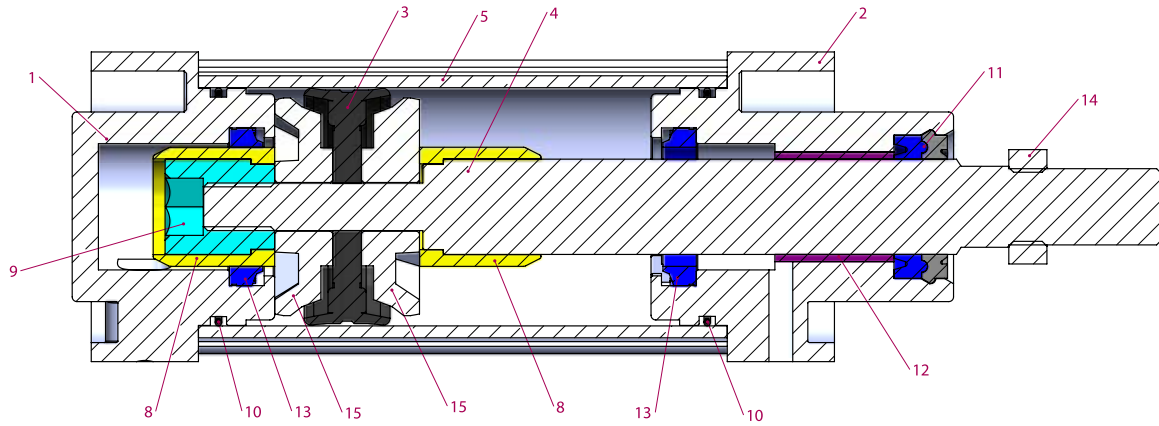
Operating Temperature Range:

NBR+Polyurethane (PU): (-20°C) - (+80°C)

Viton (FKM) : (-30°C) - (+150°C)

Max. Work Pressure:

10 Bar



No	MATERIAL NAME	CHARACTERISTIC	PC.
1	Rear Head	Aluminium	1
2	Front Head	Aluminium	1
3	Piston Seal	NBR	1
4	Piston Rod	CK45 Hard Chrome Plated	1
5	Tube	Al Mg Si 0,5 +Eloxal Plated	1
6	Bolt	Galvanized Steel	8
7	Cushioning Screw	Brass+AISI 303 NBR	2
8	Cushioning Plastic	Polycetal	2
9	Cushioning Fem. Thread	Galvanized Steel	1
10	Head O-ring	NBR	2

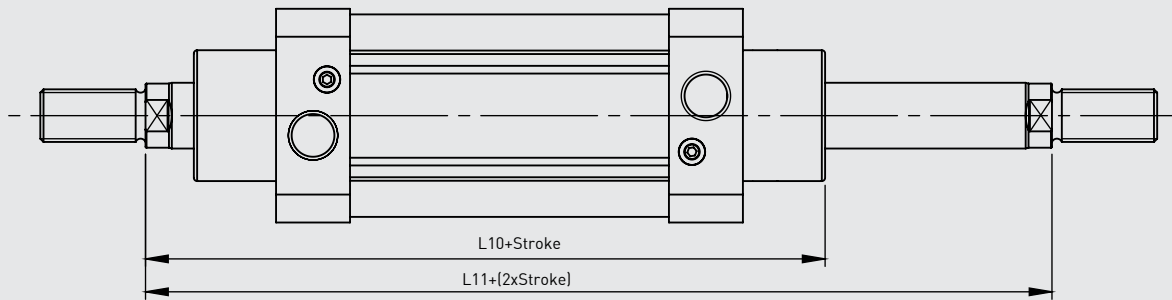
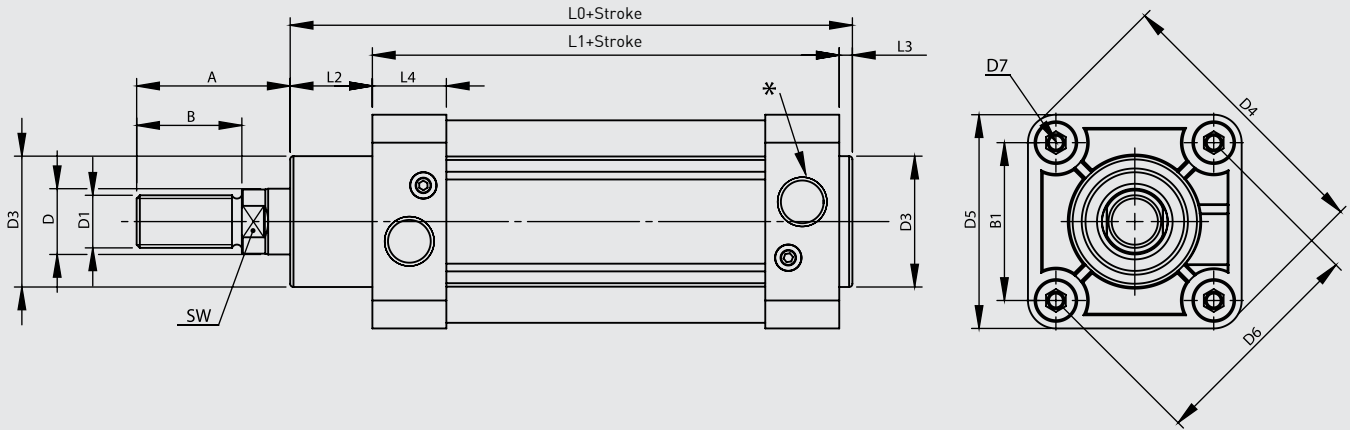
No	MATERIAL NAME	CHARACTERISTIC	PC.
11	Rod Seal	HYTREL + PU	1
12	Guiding Bush	CSB-40	1
13	Cushioning Seal	PU	2
14	Nut	Galvanized Steel	1
15	Piston Seal Washer	Aluminium	2

Note:

Dia 32: Instead of Cushioning Plastic is used Cushioning yellow and instead of Cushioning Plastic Female Thread is used Cushioning yellow Female Thread. (Material: Brass)

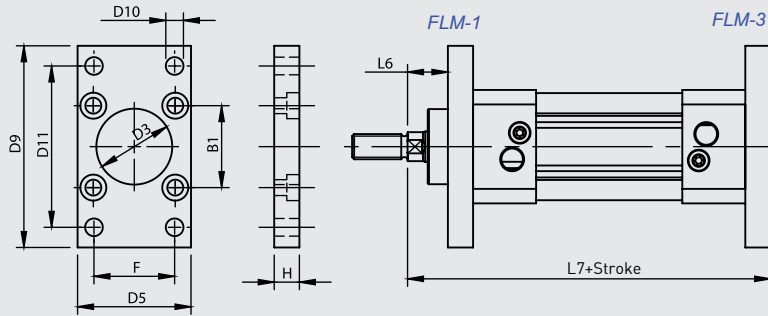
The Piston Seal Washers exist only as Ø32, Ø40, Ø50

The Parts (Nr. 7,8,9,13) don't exist in the Models Without Cushioning. Fibre Nut and Washer exist instead of the Part Nr. 9

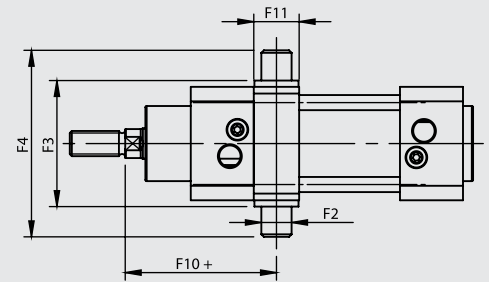


Cylinder Ø mm	A	B	B1	D Ø	D1	D3 Ø	D4	D5	D6 Ø	D7	L0	L1	L2	L3	L4	L10	L11	SW	*
32	30	20	32,5	12	M10x1.25	30	58	45	46	M5	114	94	16	4	25	120	146	10	G1/8"
40	34	24	39,6	16	M12x1.25	35	71	54	56	M5	130,5	105	20	4	23	135	165	13	G1/4"
50	44	32	48	20	M16x1.5	40	85	65	68	M6	136	106	25	4	23	143	180	17	G1/4"
63	44	32	59,4	20	M16x1.5	42	105	80	84	M6	149	115	28	4	27	155	195	17	G3/8"
80	54	40	70,7	25	M20x1.5	48	125	96	100	M8	164	124	34	4	27,5	172	220	22	G3/8"
100	53	40	93,4	25	M20x1.5	52	166	126	132	M8	181	134	40	4	31,5	187	240	22	G1/2"

FLM Flange Mounting

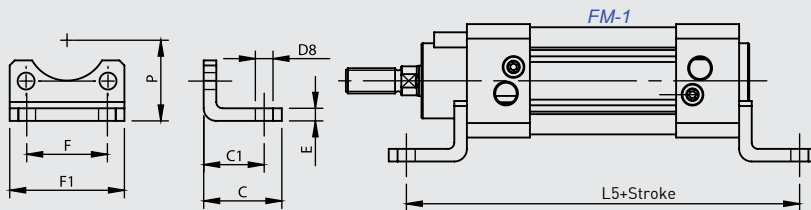


CTM-1 Central Trunnion Mounting

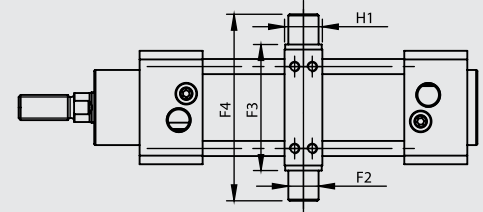


CTM-1 : Fixed Connection

FM Foot Mounting

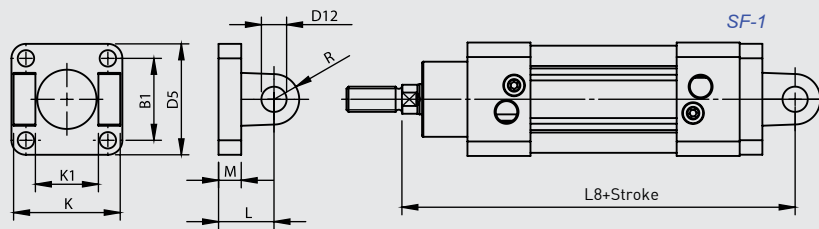


CTM-3 Central Trunnion Mounting

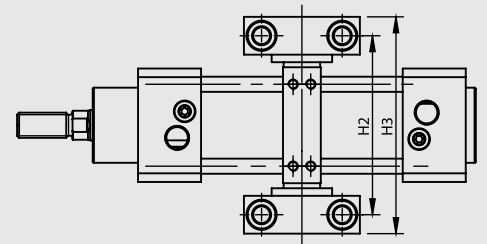


CTM-3 : Adjustable Connection

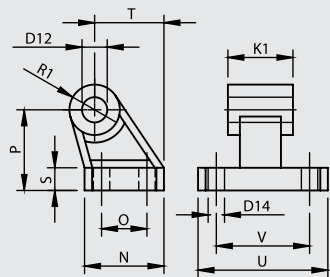
SF Swivel Flange



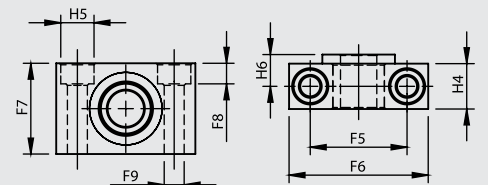
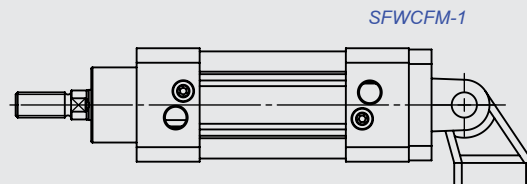
TSM Trunnion Support Mounting



CFM Clevis Foot Mounting



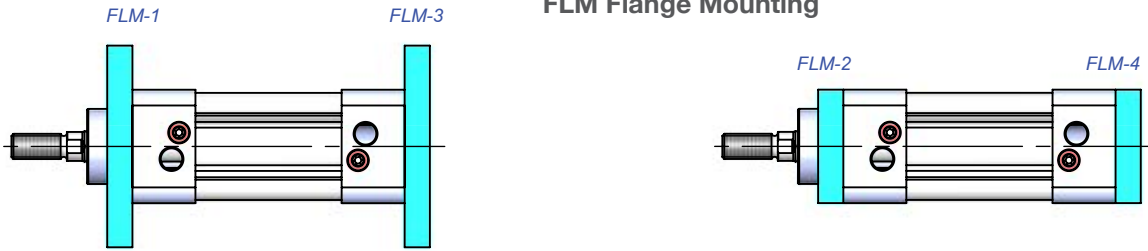
SFWCFM Swivel Flange with Clevis Foot Mounting



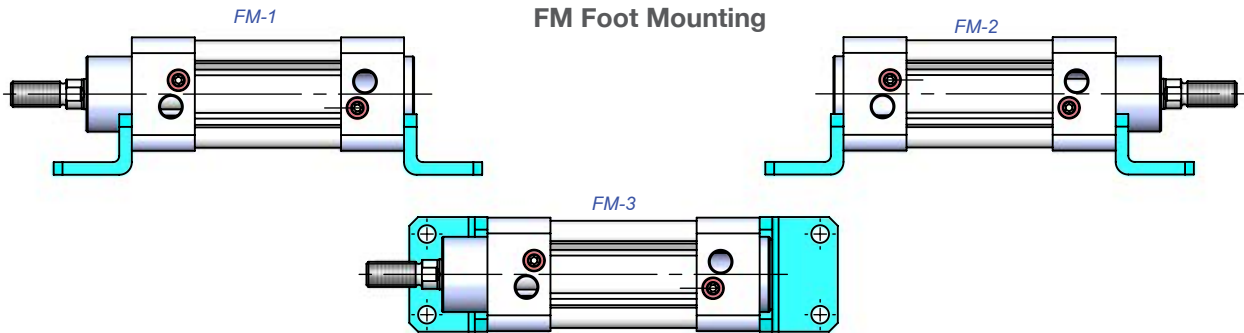
Cylinder Ø mm	B1	C	C1	D3 Ø H11	D5	D8 Ø H14	D9	D10 Ø H13	D11 JS14	D12 Ø H9	D14 Ø H13	E	F	F1 JS14	F2 Ø e9	F3 h14	F4	F5 ±0,2	F6	F7	F8	F9 Ø H13	F10 +	F11
32	32.5	32	24	30	45	7	77	7	64	10	6.6	4	32	45	12	50	74	32	46	30	6.8	6.6	65	21
40	39.6	38	28	35	54	9	90	9	72	12	6.6	5	36	54	16	63	95	36	55	36	9	9	69	24
50	48	42	32	40	65	9	110	9	90	12	9	6	45	65	16	75	107	36	55	36	9	9	79	28
63	59.4	50	35	42	80	9	125	9	100	16	9	6	50	80	20	90	130	42	65	40	11	11	87	28
80	70.7	60	43	48	96	12	154	12	126	16	11	8	63	96	20	110	150	42	65	40	11	11	98	33
100	93.4	57	43	52	126	14	186	14	150	20	11	8	75	126	25	132	182	50	75	50	13	14	108	38

Cylinder Ø mm	H	H1	H2	H3	H4	H5 Ø H13	H6	K h14	K1 H14	L	L5	L6	L7	L8	M	N	O JS14	P JS16	R	R1	S	T	U	V JS14
32	10	15	71	86	15	11	10.5	45	26	22	142	16	130	142	8	31	18	32	10	10	8	27.5	51	38
40	10	20	87	105	18	15	12	52	28	25	161	20	145	160	9	35	22	36	13	11	10	30.5	54	41
50	12	20	99	117	18	15	12	60	32	27	170	25	155	170	11	45	30	45	16	13	12	40.5	65	50
63	15	25	116	136	20	18	13	70	40	35	185	25	170	190	12	50	35	50	18	15	12	44.5	67	52
80	18	25	136	156	20	18	13	90	50	38	210	30	190	210	14	60	40	63	18	15	14	57	86	66
100	18	30	164	189	24.5	20	16	110	60	43	220	35	205	230	15	70	50	71	23	19	15	65	96	76

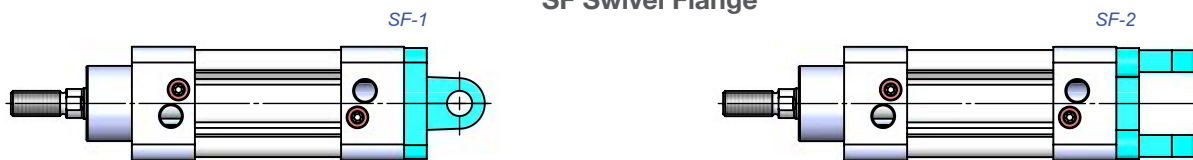
FLM Flange Mounting



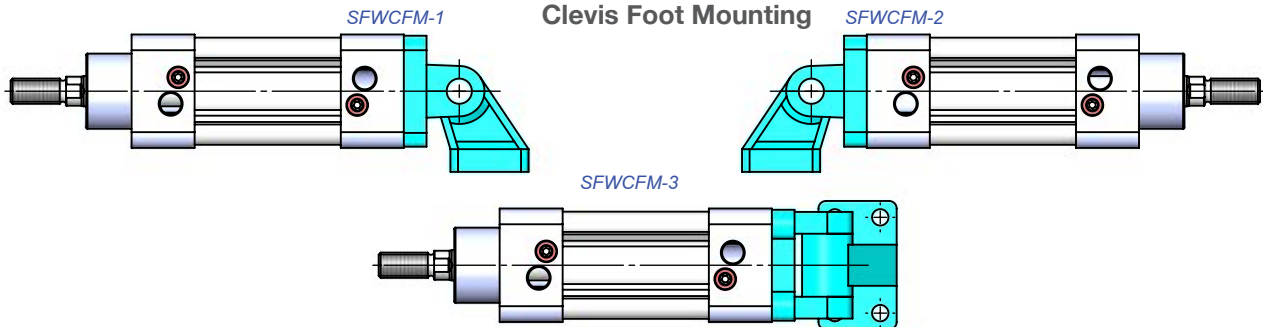
FM Foot Mounting



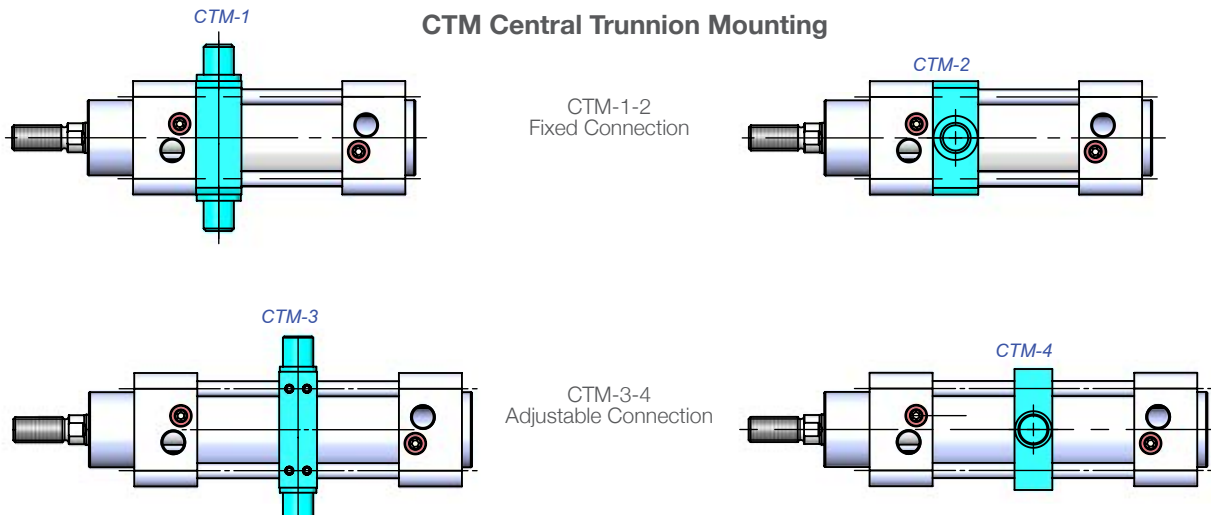
SF Swivel Flange

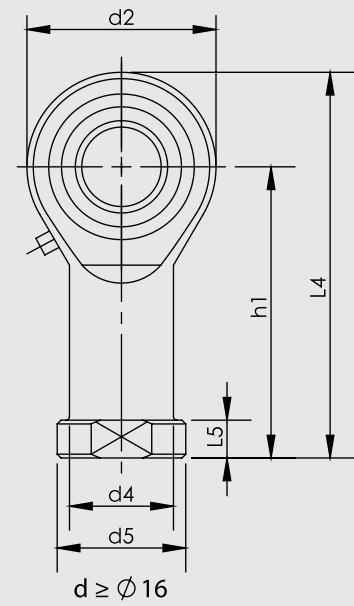
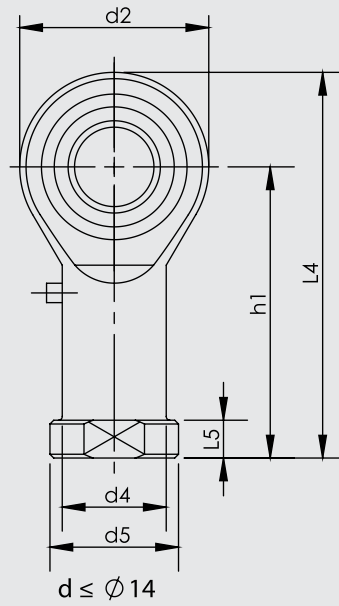
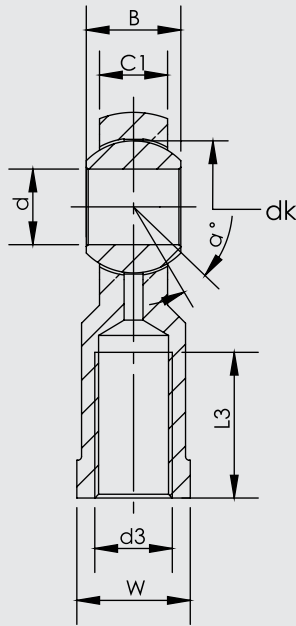


SFWCFM Swivel Flange with Clevis Foot Mounting

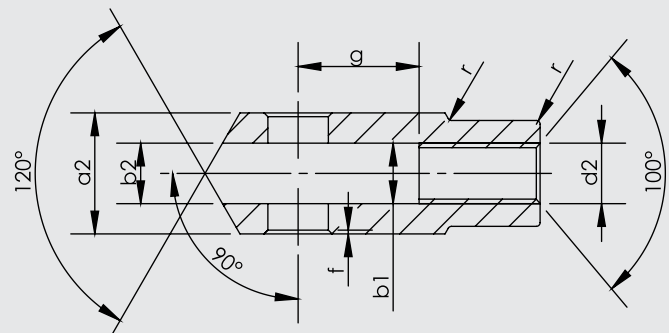
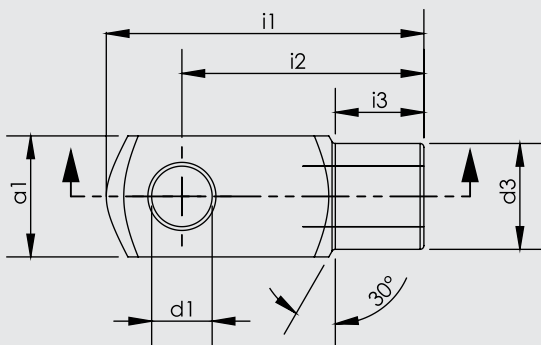


CTM Central Trunnion Mounting





Part No.	Dimensions (mm)													
	d	d3 6H	B	C1	W	L3 min	d2	L4	h1	L5	d4	d5	dk	a°
KMB 10 -1	10	M10x1.25	14	10.5	17	20	26	56	43	6.5	15	19	19.05	13
KMB 12 -1	12	M12x1.25	16	12	19	22	30	65	50	6.5	17.5	22	22.225	13
KMB 16 -1	16	M16x1.5	21	15	22	28	40	84	64	8	22	27	28.575	15
KMB 20	20	M20x1.5	25	18	30	33	50	102	77	10	27.5	34	34.925	14



Cylinder Ø mm	d1 H9	g ±0,5	a1 h 11	a2 +0,3 -0,16	b1 B 13	b2	d2 6H	d3 ±0,3	f ±0,2	i1 ±0,5	i2	i3 ±0,2	r
32	10	20	20	20	10	10	M10x1.25	18	0.5	52	40	15	0.5
40	12	24	24	24	12	12	M12x1.25	20	0.5	62	48	18	0.5
50	16	32	32	32	16	16	M16x1.5	26	1	83	64	24	1
63	16	32	32	32	16	16	M16x1.5	26	1	83	64	24	1
80	20	40	40	40	20	20	M20x1.5	34	1.5	105	80	30	1.5
100	20	40	40	40	20	20	M20x1.5	34	1.5	105	80	30	1.5