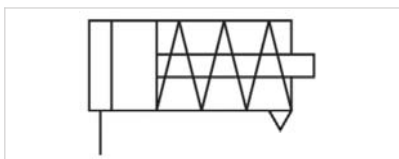


Short-stroke cylinder, Series RHZ

- Ø 8-100 mm
- Ports M5 G 1/8 G 1/4
- Single-acting, retracted without pressure
- Cushioning elastic
- Piston rod Internal thread



Compressed air connection	Internal thread
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar
Weight	See table below

Technical data

Piston Ø Piston rod thread Ports	8 mm M5	12 mm M5	16 mm M5 M5	20 mm M5 M5	25 mm M5 G 1/8	32 mm M6 G 1/8
Stroke 4	0822406001	0822406020	0822406310	0822406320	-	-
5	-	-	-	-	0822406330	0822406340
10	-	0822406021	0822406311	0822406321	0822406331	0822406341
25	-	-	0822406312	0822406322	0822406332	0822406342

Piston Ø Piston rod thread Ports	40 mm M6 G 1/8	50 mm M8 G 1/8	63 mm M8 G 1/8	80 mm M10 G 1/4	100 mm M12 G 1/4
Stroke 4	-	-	-	-	-
5	0822406350	-	-	-	-
10	0822406351	0822406361	0822406371	-	-
25	0822406352	0822406362	0822406372	R402005783	R402005840

Other versions can be ordered from AVENTICS sales offices. For 0822406310 piston material: Polyurethane

Technical data

Piston Ø	8 mm	12 mm	16 mm	20 mm
Retracting piston force	2,8 N	6,8 N	8 N	6,5 N
Extracting piston force	32 N	71 N	127 N	198 N
Working pressure min./max.	2 ... 10 bar	1,7 ... 10 bar	1,5 ... 10 bar	1,5 ... 10 bar
Material, front cover	Brass	Brass	Brass	Brass

Piston Ø	25 mm	32 mm	40 mm	50 mm
Retracting piston force	15,5 N	18,5 N	26 N	39 N
Extracting piston force	309 N	507 N	792 N	1237 N
Working pressure min./max.	1,5 ... 10 bar	1,3 ... 10 bar	1,3 ... 10 bar	1 ... 10 bar
Material, front cover	Brass	Aluminum	Aluminum	Aluminum

Piston Ø	63 mm	80 mm	100 mm
Retracting piston force	48 N	54 N	95 N
Extracting piston force	1964 N	3167 N	4948 N
Working pressure min./max.	1 ... 10 bar	1 ... 10 bar	1 ... 10 bar
Material, front cover	Aluminum	Aluminum	Aluminum

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

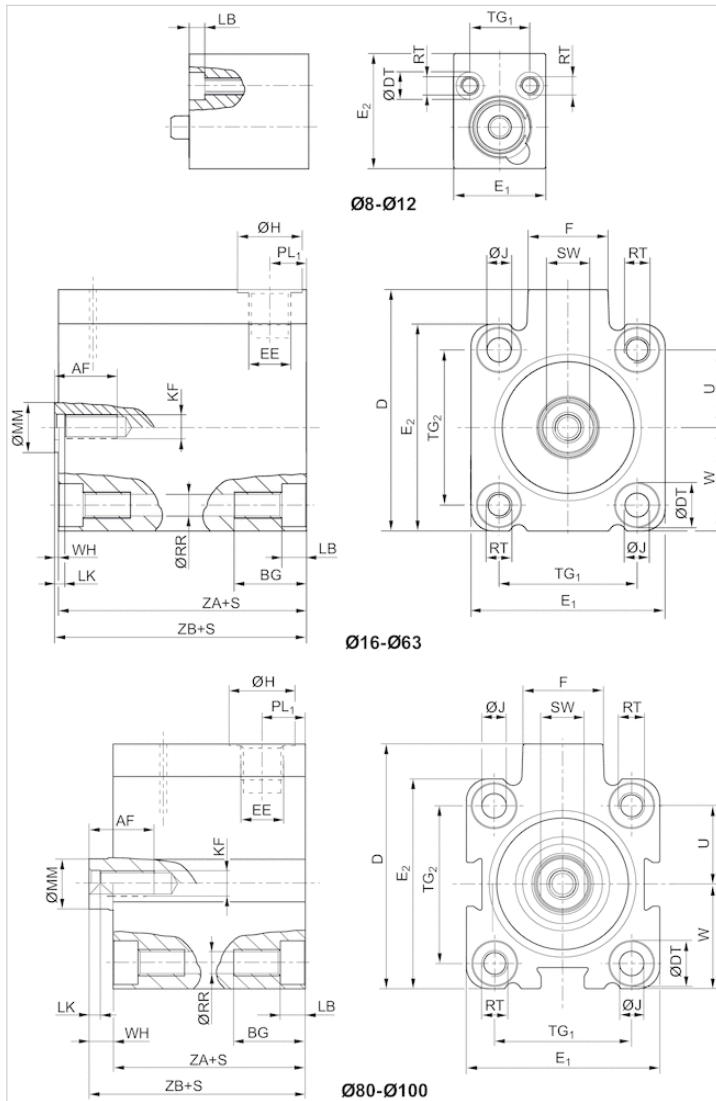
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Piston	Nitrile rubber
Front cover	Brass Aluminum
End cover	Aluminum

Dimensions

Dimensions



S = stroke

Dimensions

Piston Ø	S	AF +1	BG 1)	D JS15	ØDT H13	E1 JS15	E2 JS15	EE	F	ØH	ØJ H14	KF
8 mm	4	–	8	–	6	18	20	M5	–	8	–	–
12 mm	4 - 10	–	8	–	6	20	25	M5	–	8	–	–
16 mm	4 - 10	10	12.4	33	6	28	28	M5	11.5	8	3.55	M5
16 mm	25	10	17.5	33	6	28	28	M5	11.5	8	3.55	M5
20 mm	4	9	13.6	37	7.5	32	32	M5	11	8	4.55	M5
20 mm	10 - 25	10	13.6	37	7.5	32	32	M5	11	8	4.55	M5
25 mm	5 - 25	10	13.6	47.5	8	37	39	G1/8	17.5	15	4.55	M5
32 mm	5 - 25	14.5	16.7	56	10	45	48	G1/8	18.5	15	5.5	M6
40 mm	5	13	16.7	62.5	10	54.5	54.5	G1/8	18.5	15	5.5	M6
40 mm	10 - 25	14.5	16.7	62.5	10	54.5	54.5	G1/8	18.5	15	5.5	M6
50 mm	10 - 25	15.5	19.8	72	11	64	64	G1/8	18	15	7.3	M8
63 mm	10 - 25	18	25	88	15	80	80	G1/8	23	15	9.2	M8
80 mm	25	18	25	110	15	100	100	G1/4	27	19	9.2	M10
100 mm	25	20	30	132	17.5	124	124	G1/4	28	19	11	M12

Piston Ø	LB +0,4	LK +0,5	ØMM f8	PL1	ØRR	RT	SW -0,3	TG1	TG2	U	W
8 mm	3.4	–	4	5	3.3	M4	–	11 ±0,2	–	8	6,5 ±0,2
12 mm	3.4	–	5	5	3.3	M4	–	13 ±0,2	–	9	9 ±0,2
16 mm	3.4	2	8	5	3.3	M4	7	20 ±0,2	20 ±0,2	10	14 ±0,2
16 mm	8.5	2	8	5	3.3	M4	7	20 ±0,2	20 ±0,2	10	14 ±0,2
20 mm	4.6	2	10	5	4.2	M5	8	22 ±0,2	22 ±0,2	11	16 ±0,2
20 mm	4.6	2	10	5	4.2	M5	8	22 ±0,2	22 ±0,2	11	16 ±0,2
25 mm	4.6	2	10	8.5	4.2	M5	8	26 ±0,25	28 ±0,25	14	19,5 ±0,2
32 mm	5.7	2.5	12	8.5	5.05	M6	10	32 ±0,25	36 ±0,25	18	24 ±0,2
40 mm	5.7	2.5	12	8.5	5.05	M6	10	40 ±0,25	40 ±0,25	20	27,3 ±0,2
40 mm	5.7	2.5	12	8.5	5.05	M6	10	40 ±0,25	40 ±0,25	20	27,3 ±0,2
50 mm	6.8	3.5	16	8.5	6.8	M8	13	50 ±0,25	50 ±0,25	25	32 ±0,2
63 mm	9	3.5	16	8.5	8.5	M10	13	62 ±0,25	62 ±0,25	31	40 ±0,2
80 mm	9	4	20	12	8.5	M10	17	82 ±0,3	82 ±0,3	41	50 ±0,3
100 mm	11	4	25	12	10.2	M12	22	103 ±0,3	103 ±0,3	51.5	62 ±0,3

Piston Ø	WH	ZA ±0,2	ZB ±0,8
8 mm	1	12	13
12 mm	1	12	13
16 mm	1	20	21
16 mm	1	28	29
20 mm	1	16	17
20 mm	1	22	23
25 mm	1	21	22
32 mm	1	21	22
40 mm	1	21	22
40 mm	1	21	22
50 mm	1	20	21
63 mm	1	25	26
80 mm	1	42	43
100 mm	1	49.5	50.5

1) Min.

S = stroke

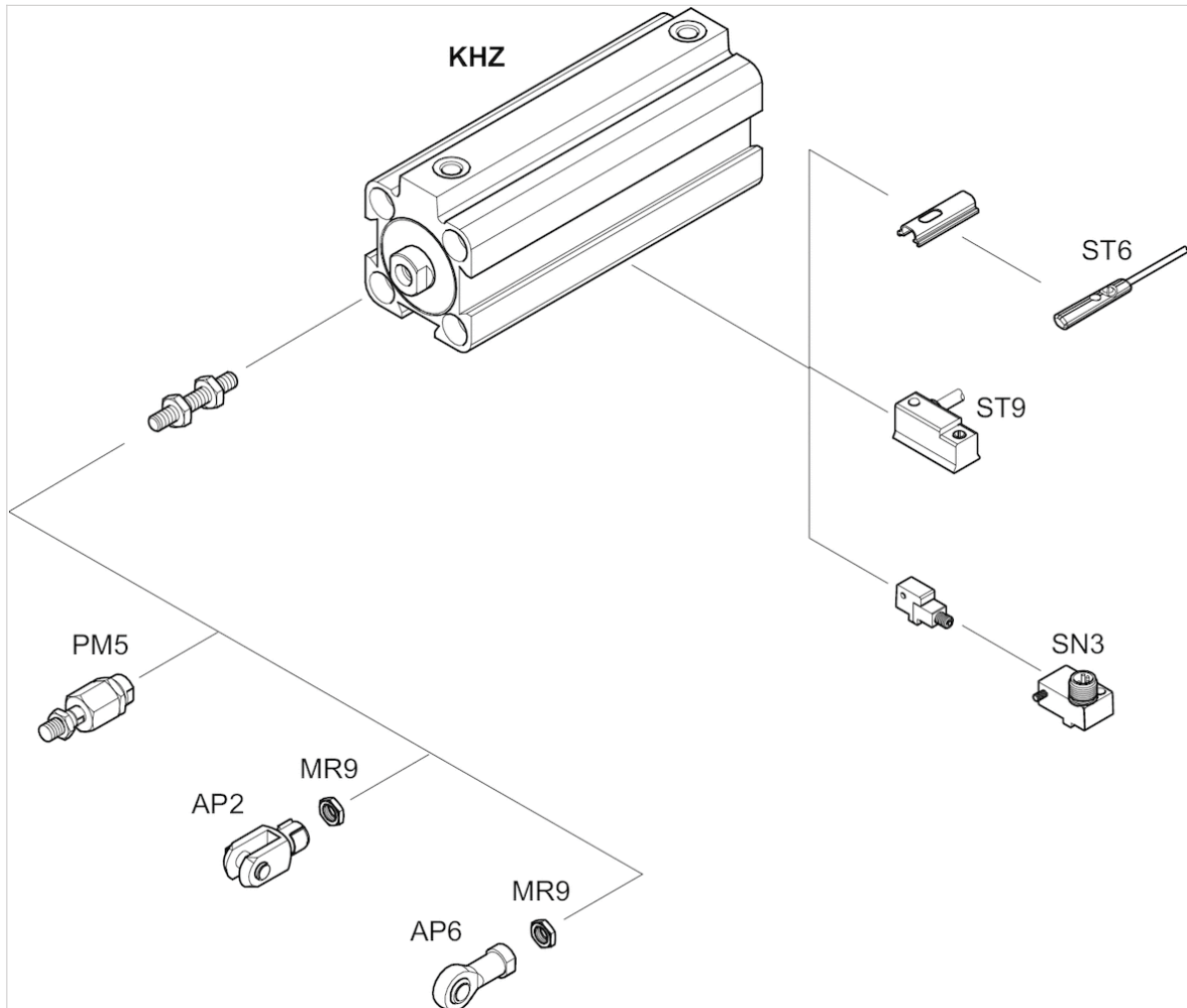
Weight [kg]

Piston Ø	S	Weight kg
8 mm	4	0,017 kg
12 mm	4	0,024 kg
12 mm	10	0,034 kg
16 mm	4	0,057 kg
16 mm	10	0,075 kg
16 mm	25	0,114 kg
20 mm	4	0,061 kg
20 mm	10	0,09 kg
20 mm	25	0,147 kg
25 mm	5	0,11 kg
25 mm	10	0,132 kg
25 mm	25	0,218 kg
32 mm	5	0,135 kg
32 mm	10	0,163 kg
32 mm	25	0,296 kg
40 mm	5	0,225 kg
40 mm	10	0,21 kg
40 mm	25	0,378 kg
50 mm	10	0,268 kg
50 mm	25	0,492 kg
63 mm	10	0,458 kg
63 mm	25	0,75 kg
80 mm	25	1,29 kg
100 mm	25	2,3 kg

S = stroke

Accessories overview

Overview drawing

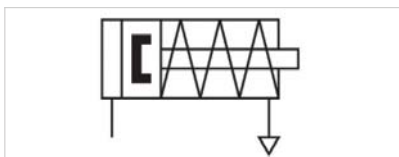


NOTE:

This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.

Short-stroke cylinder, Series RHZ

- Ø 12-100 mm
- Ports M5 G 1/8 G 1/4
- Single-acting, retracted without pressure
- with magnetic piston
- Cushioning elastic
- Piston rod Internal thread



Compressed air connection	Internal thread
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar
Weight	See table below

Technical data

Piston Ø Piston rod thread Ports	12 mm M3 M5	16 mm M5 M5	20 mm M5 M5	25 mm M5 G 1/8	32 mm M6 G 1/8	40 mm M6 G 1/8
Stroke 4	0822406400	0822406410	0822406420	-	-	-
5	-	-	-	0822406430	0822406440	0822406450
10	0822406401	0822406411	0822406421	0822406431	0822406441	0822406451
25	-	0822406412	0822406422	0822406432	0822406442	0822406452

Piston Ø Piston rod thread Ports	50 mm M8 G 1/8	63 mm M8 G 1/8	80 mm M10 G 1/4	100 mm M12 G 1/4
Stroke 4	-	-	-	-
5	-	-	-	-
10	0822406461	0822406471	0822406481	0822406491
25	0822406462	0822406472	0822406482	0822406492

Other versions can be ordered from AVENTICS sales offices.

Technical data

Piston Ø	12 mm	16 mm	20 mm	25 mm
Retracting piston force	6,8 N	8 N	6,5 N	15,5 N
Extracting piston force	71 N	127 N	198 N	309 N
Working pressure min./max.	1,7 ... 10 bar	1,5 ... 10 bar	1,5 ... 10 bar	1,5 ... 10 bar
Material, front cover	Brass	Brass	Brass	Brass

Piston Ø	32 mm	40 mm	50 mm	63 mm
Retracting piston force	18,5 N	26 N	39 N	48 N
Extracting piston force	507 N	792 N	1237 N	1964 N
Working pressure min./max.	1,3 ... 10 bar	1,3 ... 10 bar	1 ... 10 bar	1 ... 10 bar
Material, front cover	Aluminum	Aluminum	Aluminum	Aluminum

Piston Ø	80 mm	100 mm
Retracting piston force	63,5 N	95,5 N
Extracting piston force	3267 N	4948 N
Working pressure min./max.	1 ... 10 bar	1 ... 10 bar
Material, front cover	Aluminum	Aluminum

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

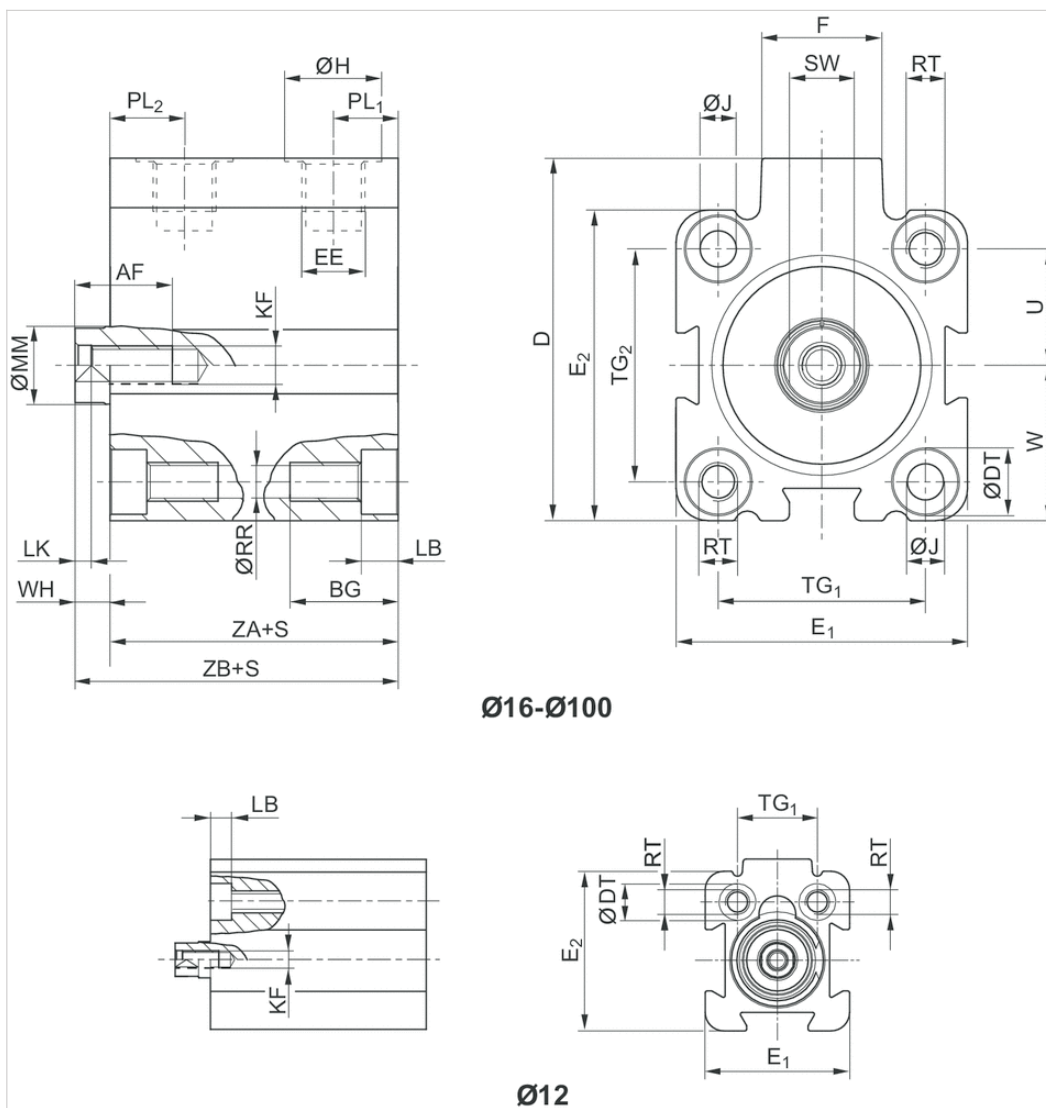
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Piston	Nitrile rubber
Front cover	Brass Aluminum
End cover	Aluminum

Dimensions

Dimensions



S = stroke

Dimensions

Piston Ø	S	AF +1	BG 1)	D JS15	ØDT H13	E1 JS15	E2 JS15	EE	F	ØH	ØJ H14
12 mm	4 - 10	8	12.4	28	6	23.5	26	M 5	11	8	–
16 mm	4 - 25	10	12.4	33	6	28	28	M 5	11.5	8	3.55
20 mm	4 - 25	10	13.6	37	7.5	32	32	M 5	11	8	4.55
25 mm	5 - 25	10	13.6	47.5	8	37	39	G 1/8	17.5	15	4.55
32 mm	5 - 25	15	16.7	56	10	45	48	G 1/8	18.5	15	5.5
40 mm	5 - 25	15	16.7	62.5	10	54.5	54.5	G 1/8	18.5	15	5.5
50 mm	10 - 25	18	19.8	73	11	66	66	G 1/8	18	15	7.3
63 mm	10 - 25	18	25	88	15	80	80	G 1/8	23	15	9.2
80 mm	10 - 25	18	25	110	15	100	100	G 1/4	27	19	9.2
100 mm	10 - 25	20	30	132	17.5	124	124	G 1/4	28	19	11

Piston Ø	KF	LB +0,4	LK +0,5	ØMM f8	PL1	PL2	ØRR	RT	SW -0,3	TG1	TG2 ±0,2
12 mm	M 3	3.4	2	6	6	10.5	3.3	M 4	5	13 ±0,2	–
16 mm	M 5	3.4	2	8	6.5	12.5	3.3	M 4	7	20 ±0,2	20 ±0,2
20 mm	M 5	4.6	2	10	6.5	12	4.2	M 5	8	22 ±0,2	22 ±0,2
25 mm	M 5	4.6	2	10	9.5	11.5	4.2	M 5	8	26 ±0,25	28 ±0,25
32 mm	M 6	5.7	2.5	12	10	11.5	5.05	M 6	10	32 ±0,25	36 ±0,25
40 mm	M 6	5.7	2.5	12	10	13.5	5.05	M 6	10	40 ±0,25	40 ±0,25
50 mm	M 8	6.8	3.5	16	10	14	6.8	M 8	13	50 ±0,25	50 ±0,25
63 mm	M 8	9	3.5	16	11.5	14	8.5	M 10	13	62 ±0,25	62 ±0,25
80 mm	M 10	9	4	20	12	18	8.5	M 10	17	82 ±0,3	82 ±0,3
100 mm	M 12	11	4	25	12	20.5	10.2	M 12	22	103 ±0,3	103 ±0,3

Piston Ø	U	W	WH	ZA ±0,2	ZB ±0,8
12 mm	9.5	11,5 ±0,2	4.5	30.5	35
16 mm	10	14 ±0,2	3	32	35
20 mm	11	16 ±0,2	4.5	32	36.5
25 mm	14	19,5 ±0,2	5	39	44
32 mm	18	24 ±0,2	5.5	39.5	45
40 mm	20	27,3 ±0,2	7	39.5	46.5
50 mm	25	33 ±0,2	7.5	39.5	47
63 mm	31	40 ±0,2	6.5	42	48.5
80 mm	41	50 ±0,3	8	46	54
100 mm	51.5	62 ±0,3	10	56	66

1) Min.

S = stroke

Weight [kg]

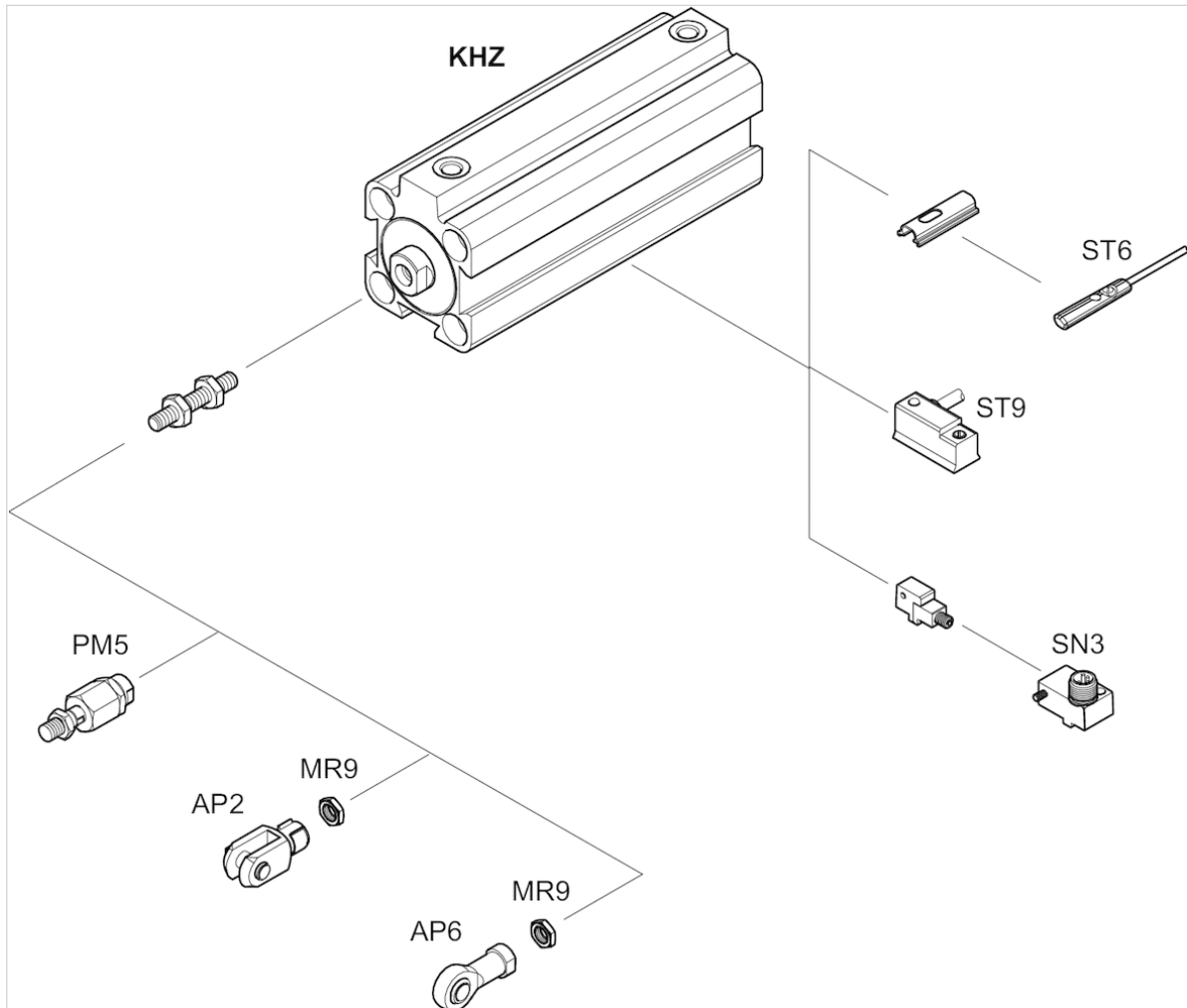
Piston Ø	S	Weight kg
12 mm	4	0,051 kg
16 mm	10	0,075 kg
16 mm	25	0,085 kg
20 mm	4	0,095 kg
20 mm	10	0,095 kg
20 mm	25	0,105 kg

Piston Ø	S	Weight kg
25 mm	5	0,175 kg
25 mm	10	0,175 kg
25 mm	25	0,175 kg
32 mm	5	0,226 kg
32 mm	10	0,226 kg
32 mm	25	0,226 kg
40 mm	5	0,318 kg
40 mm	10	0,318 kg
40 mm	25	0,318 kg
50 mm	10	0,49 kg
50 mm	25	0,49 kg
63 mm	10	0,732 kg
63 mm	25	0,732 kg
80 mm	10	1,29 kg
80 mm	25	1,29 kg
100 mm	10	2,3 kg
100 mm	25	2,3 kg

S = stroke

Accessories overview

Overview drawing

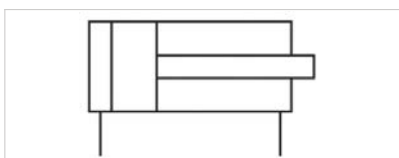


NOTE:

This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.

Short-stroke cylinder, Series RHZ

- Ø 12-100 mm
- Ports M5 G 1/8 G 1/4
- double-acting
- Cushioning elastic
- Piston rod External thread Internal thread



Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø Piston rod thread Ports	12 mm M5 M5	16 mm M5 M5	20 mm M5 M5	25 mm M5 G 1/8	32 mm M6 G 1/8	40 mm M6 G 1/8
Stroke 5	0822010500	0822010510	0822010520	0822010530	0822010540	0822010550
10	0822010501	0822010511	0822010521	0822010531	0822010541	0822010551
15	0822010502	0822010512	0822010522	0822010532	0822010542	0822010552
20	0822010503	0822010513	0822010523	0822010533	0822010543	0822010553
25	0822010504	0822010514	0822010524	0822010534	0822010544	0822010554
30	0822010505	0822010515	0822010525	0822010535	0822010545	0822010555
40	0822010506	0822010516	0822010526	0822010536	0822010546	0822010556
50	-	-	0822010527	0822010537	0822010547	0822010557

Piston Ø Piston rod thread Ports	50 mm M8 G 1/8	63 mm M8 G 1/8	80 mm M10 G 1/4	100 mm M12 G 1/4
Stroke 5	-	0822010570	-	-
10	0822010561	0822010571	R402005784	-
15	0822010562	0822010572	-	-
20	0822010563	0822010573	-	-
25	0822010564	0822010574	R402005787	R402005833
30	0822010565	0822010575	-	-

Piston Ø Piston rod thread Ports	50 mm M8 G 1/8	63 mm M8 G 1/8	80 mm M10 G 1/4	100 mm M12 G 1/4
40	0822010566	0822010576	-	-
50	0822010567	0822010577	R402005790	R402005836

Other versions can be ordered from AVENTICS sales offices.

Technical data

Piston Ø	12 mm	16 mm	20 mm	25 mm
Retracting piston force	53 N	95 N	148 N	260 N
Extracting piston force	71 N	127 N	198 N	309 N
Impact energy	0,03 J	0,06 J	0,08 J	0,1 J
Weight 0 mm stroke	0,036 kg	0,063 kg	0,082 kg	0,164 kg
Weight +10 mm stroke	0,013 kg	0,016 kg	0,021 kg	0,03 kg
Working pressure min./max.	1 ... 10 bar	1 ... 10 bar	1 ... 10 bar	1 ... 10 bar
Material, front cover	Brass	Brass	Brass	Brass

Piston Ø	32 mm	40 mm	50 mm	63 mm
Retracting piston force	435 N	720 N	1110 N	1837 N
Extracting piston force	507 N	792 N	1237 N	1964 N
Impact energy	0,16 J	0,24 J	0,32 J	0,38 J
Weight 0 mm stroke	0,195 kg	0,285 kg	0,388 kg	0,636 kg
Weight +10 mm stroke	0,042 kg	0,052 kg	0,074 kg	0,096 kg
Working pressure min./max.	0,6 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar
Material, front cover	Aluminum	Aluminum	Aluminum	Aluminum

Piston Ø	80 mm	100 mm
Retracting piston force	2857 N	4939 N
Extracting piston force	3167 N	4948 N
Impact energy	0,38 J	0,5 J
Weight 0 mm stroke	1,22 kg	2,38 kg
Weight +10 mm stroke	0,149 kg	0,218 kg
Working pressure min./max.	0,6 ... 10 bar	0,6 ... 10 bar
Material, front cover	Aluminum	Aluminum

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

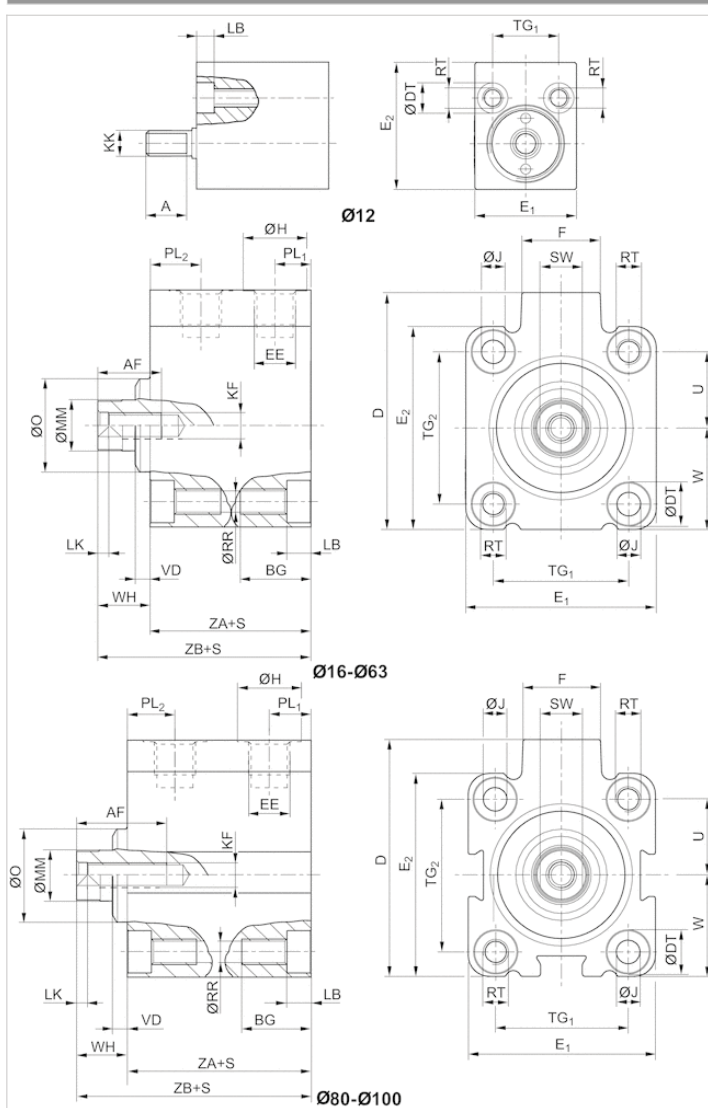
Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel

Material	
Piston	Nitrile rubber
Front cover	Brass Aluminum
End cover	Aluminum
Scraper	Polyurethane

Dimensions

Dimensions



S = stroke

Dimensions

Piston Ø	S	A	AF +1	BG 1)	D JS15	ØDT H13	E1 JS15	E2 JS15	EE	F	ØH	ØJ	KF
12 mm	5 - 20	8	–	12.4	–	6	20	25	M 5	–	8	–	–
12 mm	25 - 40	8	–	17.5	–	6	20	25	M 5	–	8	–	–
16 mm	5 - 15	–	10	12.4	33	6	28	28	M 5	11.5	8	3.55	M5
16 mm	20 - 40	–	10	17.5	33	6	28	28	M 5	11.5	8	3.55	M5
20 mm	5 - 50	–	10	13.6	37	7.5	32	32	M 5	11	8	4.55	M5
25 mm	5 - 50	–	10	13.6	47.5	8	37	39	G 1/8	17.5	15	4.55	M5
32 mm	5 - 50	–	15	16.7	56	10	45	48	G 1/8	18.5	15	5.5	M6
40 mm	5 - 50	–	15	16.7	62.5	10	54.5	54.5	G 1/8	18.5	15	5.5	M6
50 mm	10 - 50	–	18	19.8	72	11	64	64	G 1/8	18	15	7.3	M8
63 mm	5 - 50	–	18	25	88	15	80	80	G 1/8	23	15	9.2	M8
80 mm	10 - 50	–	18	25	110	15	100	100	G 1/4	27	19	9.2	M10
100 mm	25 - 50	–	20	30	132	17.5	124	124	G 1/4	28	19	11	M12

Piston Ø	KK	LB +0,4	LK +0,5	ØMM f8	ØO	PL1	PL2	ØRR	RT	SW -0,3	TG1	TG2
12 mm	M 5	3.4	–	6	–	6	9.5	3.3	M4	–	13 ±0,2	–
12 mm	M 5	8.5	–	6	–	6	9.5	3.3	M4	–	13 ±0,2	–
16 mm	–	3.4	2	8	–	6	11.3	3.3	M4	7	20 ±0,2	20 ±0,2
16 mm	–	8.5	2	8	–	6	11.3	3.3	M4	7	20 ±0,2	20 ±0,2
20 mm	–	4.6	2	10	–	5	8	4.2	M5	8	22 ±0,2	22 ±0,2
25 mm	–	4.6	2	10	20	9	11	4.2	M5	8	26 ±0,25	28 ±0,25
32 mm	–	5.7	2.5	12	22	8.5	12	5.05	M6	10	32 ±0,25	36 ±0,25
40 mm	–	5.7	2.5	12	30	9	11	5.05	M6	10	40 ±0,25	40 ±0,25
50 mm	–	6.8	3.5	16	35	8.5	11	6.8	M8	13	50 ±0,25	50 ±0,25
63 mm	–	9	3.5	16	35	8.5	12.5	8.5	M10	13	62 ±0,25	62 ±0,25
80 mm	–	9	4	20	46	13	16	8.8	M10	17	82 ±0,3	82 ±0,3
100 mm	–	11	4	25	56	15.5	15.5	10.2	M12	22	103 ±0,3	103 ±0,3

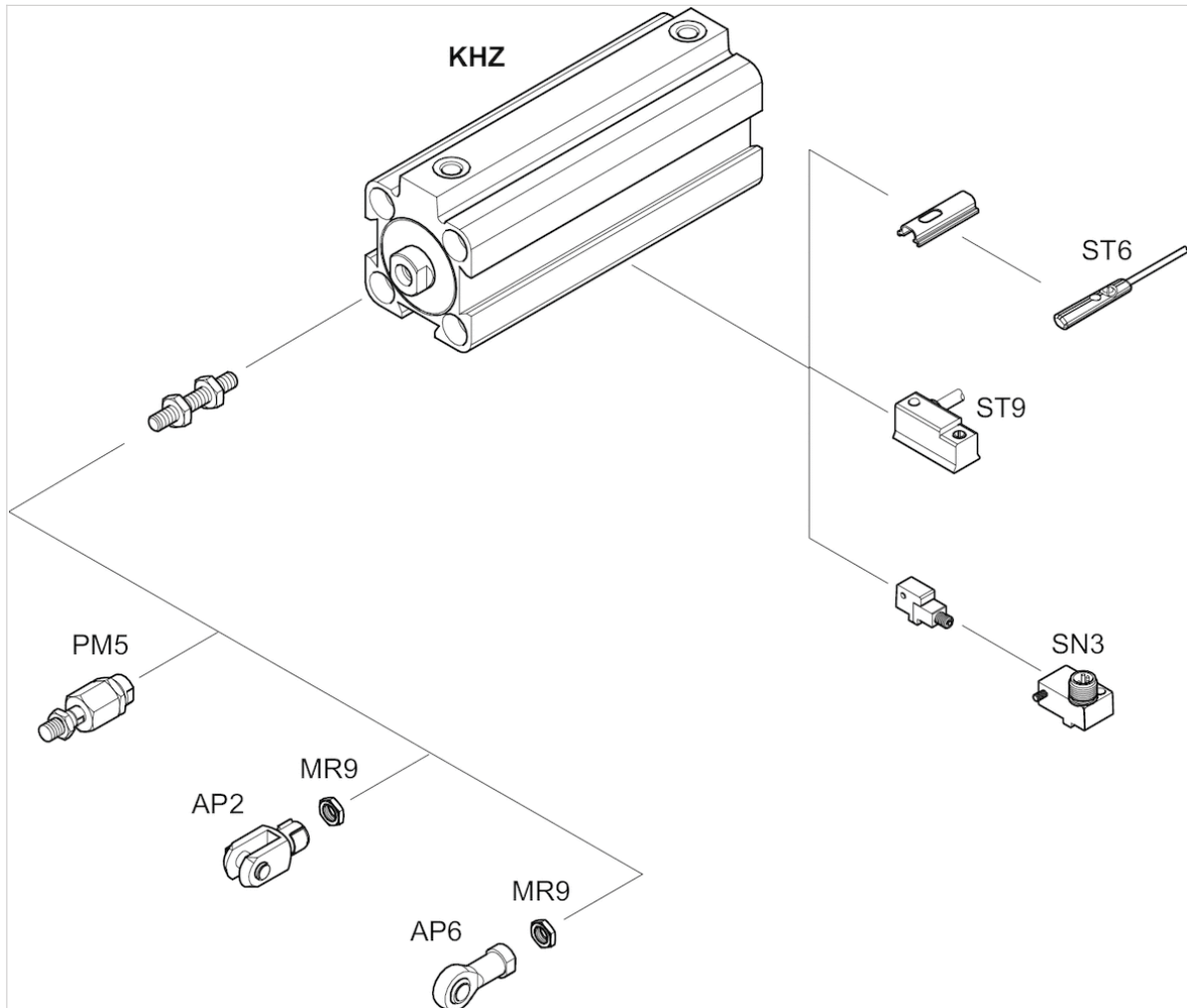
Piston Ø	U	W	VD -1	WH	ZA ±0,2	ZB ±0,8
12 mm	9	9 ±0,2	–	–	21	31
12 mm	9	9 ±0,2	–	–	21	31
16 mm	10	14 ±0,2	–	6	25	31
16 mm	10	14 ±0,2	–	6	25	31
20 mm	11	16 ±0,2	–	9.5	24.5	34
25 mm	14	19,5 ±0,2	3.5	11.5	31	42.5
32 mm	18	24 ±0,2	3.5	12.5	33	45.5
40 mm	20	27,3 ±0,2	4.5	15	33	48
50 mm	25	32 ±0,2	6	17	32.5	49.5
63 mm	31	40 ±0,2	6.5	17	35.5	52.5
80 mm	41	50 ±0,3	8.5	18	42	60
100 mm	51.5	62 ±0,3	7	20	49.5	69.5

1) Min.

S = stroke

Accessories overview

Overview drawing



NOTE:

This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.

Short-stroke cylinder, Series RHZ

- Ø 12-100 mm
- Ports M5 G 1/8 G 1/4
- double-acting
- with magnetic piston
- Cushioning elastic
- Piston rod Internal thread



Compressed air connection	Internal thread
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø Piston rod thread Ports	12 mm M3 M5	16 mm M5 M5	20 mm M5 M5	25 mm M5 G 1/8	32 mm M6 G 1/8	40 mm M6 G 1/8
Stroke 5	0822010600	0822010610	0822010620	0822010630	0822010640	0822010650
10	0822010601	0822010611	0822010621	0822010631	0822010641	0822010651
15	0822010602	0822010612	0822010622	0822010632	0822010642	0822010652
20	0822010603	0822010613	0822010623	0822010633	0822010643	0822010653
25	0822010604	0822010614	0822010624	0822010634	0822010644	0822010654
30	0822010605	0822010615	0822010625	0822010635	0822010645	0822010655
40	0822010606	0822010616	0822010626	0822010636	0822010646	0822010656
50	-	-	0822010627	0822010637	0822010647	0822010657
80	-	-	-	-	0822010648	0822010658
100	-	-	-	-	0822010649	0822010659

Piston Ø Piston rod thread Ports	50 mm M8 G 1/8	63 mm M8 G 1/8	80 mm M10 G 1/4	100 mm M12 G 1/4
Stroke 5	-	-	-	-
10	0822010661	0822010671	0822010681	0822010691
15	0822010662	0822010672	R402005794	-

Piston Ø Piston rod thread Ports	50 mm M8 G 1/8	63 mm M8 G 1/8	80 mm M10 G 1/4	100 mm M12 G 1/4
20	0822010663	0822010673	-	-
25	0822010664	0822010674	0822010684	0822010694
30	0822010665	0822010675	-	-
40	0822010666	0822010676	R402005797	R402005844
50	0822010667	0822010677	0822010687	0822010697
80	0822010668	0822010678	0822010688	0822010698
100	0822010669	0822010679	0822010689	0822010699

Other versions can be ordered from AVENTICS sales offices.

Technical data

Piston Ø	12 mm	16 mm	20 mm	25 mm
Retracting piston force	53 N	95 N	148 N	260 N
Extracting piston force	71 N	127 N	198 N	309 N
Impact energy	0,03 J	0,06 J	0,08 J	0,1 J
Weight 0 mm stroke	0,05 kg	0,065 kg	0,092 kg	0,178 kg
Weight +10 mm stroke	0,013 kg	0,016 kg	0,021 kg	0,03 kg
Working pressure min./max.	1 ... 10 bar	1 ... 10 bar	1 ... 10 bar	1 ... 10 bar
Material, front cover	Brass	Brass	Brass	Brass

Piston Ø	32 mm	40 mm	50 mm	63 mm
Retracting piston force	435 N	720 N	1110 N	1837 N
Extracting piston force	507 N	792 N	1237 N	1964 N
Impact energy	0,16 J	0,24 J	0,32 J	0,38 J
Weight 0 mm stroke	0,195 kg	0,285 kg	0,388 kg	0,636 kg
Weight +10 mm stroke	0,042 kg	0,052 kg	0,074 kg	0,096 kg
Working pressure min./max.	0,6 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar
Material, front cover	Aluminum	Aluminum	Aluminum	Aluminum

Piston Ø	80 mm	100 mm
Retracting piston force	2857 N	4639 N
Extracting piston force	3167 N	4948 N
Impact energy	0,38 J	0,5 J
Weight 0 mm stroke	1,22 kg	2,38 kg
Weight +10 mm stroke	0,149 kg	0,218 kg
Working pressure min./max.	0,6 ... 10 bar	0,6 ... 10 bar
Material, front cover	Aluminum	Aluminum

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

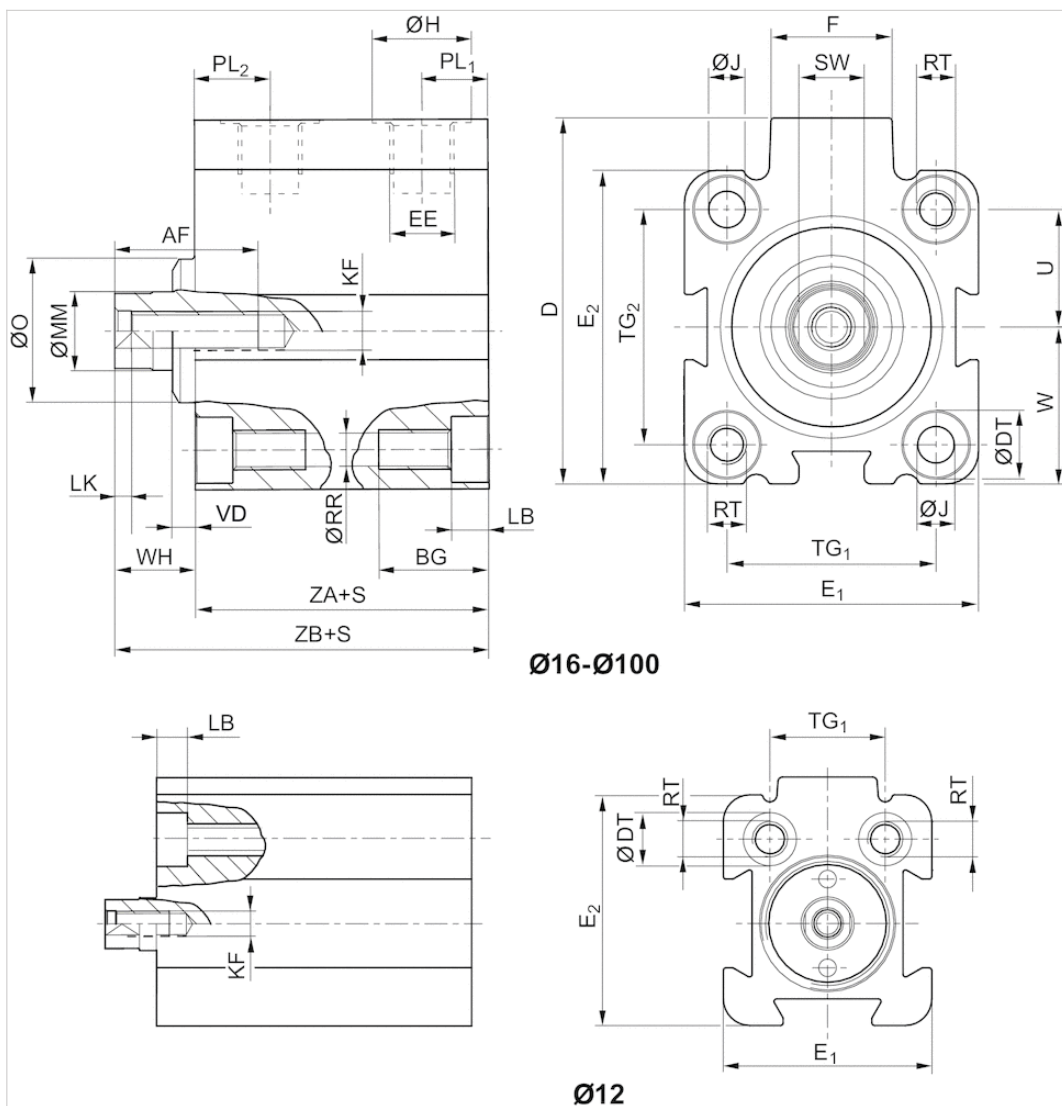
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Piston	Nitrile rubber
Front cover	Brass Aluminum
End cover	Aluminum
Scraper	Polyurethane

Dimensions

Dimensions



S = stroke

Dimensions

Piston Ø	S	AF +1	BG 1)	D JS15	ØDT H13	E1 JS15	E2 JS15	EE	F	ØH	ØJ	KF
12 mm	5 - 10	8	12.4	28	6	23.5	26	M 5	11	8	3.3	M3
12 mm	-	-	-	-	-	-	-	-	-	-	-	-
12 mm	15 - 40	8	17.5	28	6	23.5	26	M 5	11	8	3.3	M3
12 mm	-	-	-	-	-	-	-	-	-	-	-	-
16 mm	5 - 10	10	12.4	33	6	28	28	M 5	11.5	8	3.55	M5
16 mm	-	-	-	-	-	-	-	-	-	-	-	-
16 mm	15 - 40	10	17.5	33	6	28	28	M 5	11.5	8	3.55	M5
16 mm	-	-	-	-	-	-	-	-	-	-	-	-
20 mm	5 - 10	10	13.6	37	7.5	32	32	M 5	11	8	4.55	M5
20 mm	15 - 50	10	13.6	37	7.5	32	32	M 5	11	8	4.55	M5
25 mm	5 - 50	10	13.6	47.5	8	37	39	G 1/8	17.5	15	4.55	M5
32 mm	5 - 100	15	16.7	56	10	45	48	G 1/8	18.5	15	5.5	M6
40 mm	5 - 100	15	16.7	62.5	10	54.5	54	G 1/8	18.5	15	5.5	M6
50 mm	10 - 100	18	19.8	73	11	66	66	G 1/8	18	15	7.3	M8
63 mm	10 - 100	18	25	88	15	80	80	G 1/8	23	15	9.2	M8
80 mm	10 - 100	18	25	110	15	100	100	G 1/4	27	19	9.2	M10
100 mm	10 - 100	20	30	132	17.5	124	124	G 1/4	28	19	11	M12

Piston Ø	LB +0,4	LK +0,5	ØMM f8	ØO	PL1	PL2	ØRR	RT	SW -0,3	TG1	TG2	U
12 mm	3.4	2	6	-	6	10.5	3.3	M4	5	13 ±0,2	-	9.5
12 mm	-	-	-	-	-	-	-	-	-	-	-	-
12 mm	8.5	2	6	-	6	10.5	3.3	M4	5	13 ±0,2	-	9.5
12 mm	-	-	-	-	-	-	-	-	-	-	-	-
16 mm	3.4	2	8	-	6.5	11.3	3.3	M4	7	20 ±0,2	20 ±0,2	10
16 mm	-	-	-	-	-	-	-	-	-	-	-	-
16 mm	8.5	2	8	-	6.5	11.3	3.3	M4	7	20 ±0,2	20 ±0,2	10
16 mm	-	-	-	-	-	-	-	-	-	-	-	-
20 mm	4.6	2	10	-	6.5	10	4.2	M5	8	22 ±0,2	22 ±0,2	11
20 mm	4.6	2	10	-	6.5	10	4.2	M5	8	22 ±0,2	22 ±0,2	11
25 mm	4.6	2	10	20	9.5	11.5	4.2	M5	8	26 ±0,25	28 ±0,25	14
32 mm	5.7	2.5	12	22	8.5	15	5.05	M6	10	32 ±0,25	36 ±0,25	18
40 mm	5.7	2.5	12	30	10	13.5	5.05	M6	10	40 ±0,25	40 ±0,25	20
50 mm	6.8	3.5	16	35	10	14	6.8	M8	13	50 ±0,25	50 ±0,25	25
63 mm	9	3.5	16	35	11.5	14	8.5	M10	13	62 ±0,25	62 ±0,25	31
80 mm	9	4	20	46	12	15.5	8.5	M10	17	82 ±0,3	82 ±0,3	41
100 mm	11	4	25	56	12	18.5	10.2	M12	22	103 ±0,3	103 ±0,3	51.5

Piston Ø	W	VD -1	WH	ZA ±0,2	ZB ±0,8
12 mm	11,5 ±0,2	-	5.5	30.5	36
12 mm	-	-	-	-	-
12 mm	11,5 ±0,2	-	5.5	30.5	36
12 mm	-	-	-	-	-
16 mm	14 ±0,2	-	4.5	32	36.5
16 mm	-	-	-	-	-
16 mm	14 ±0,2	-	4.5	38	42.5
16 mm	-	-	-	-	-

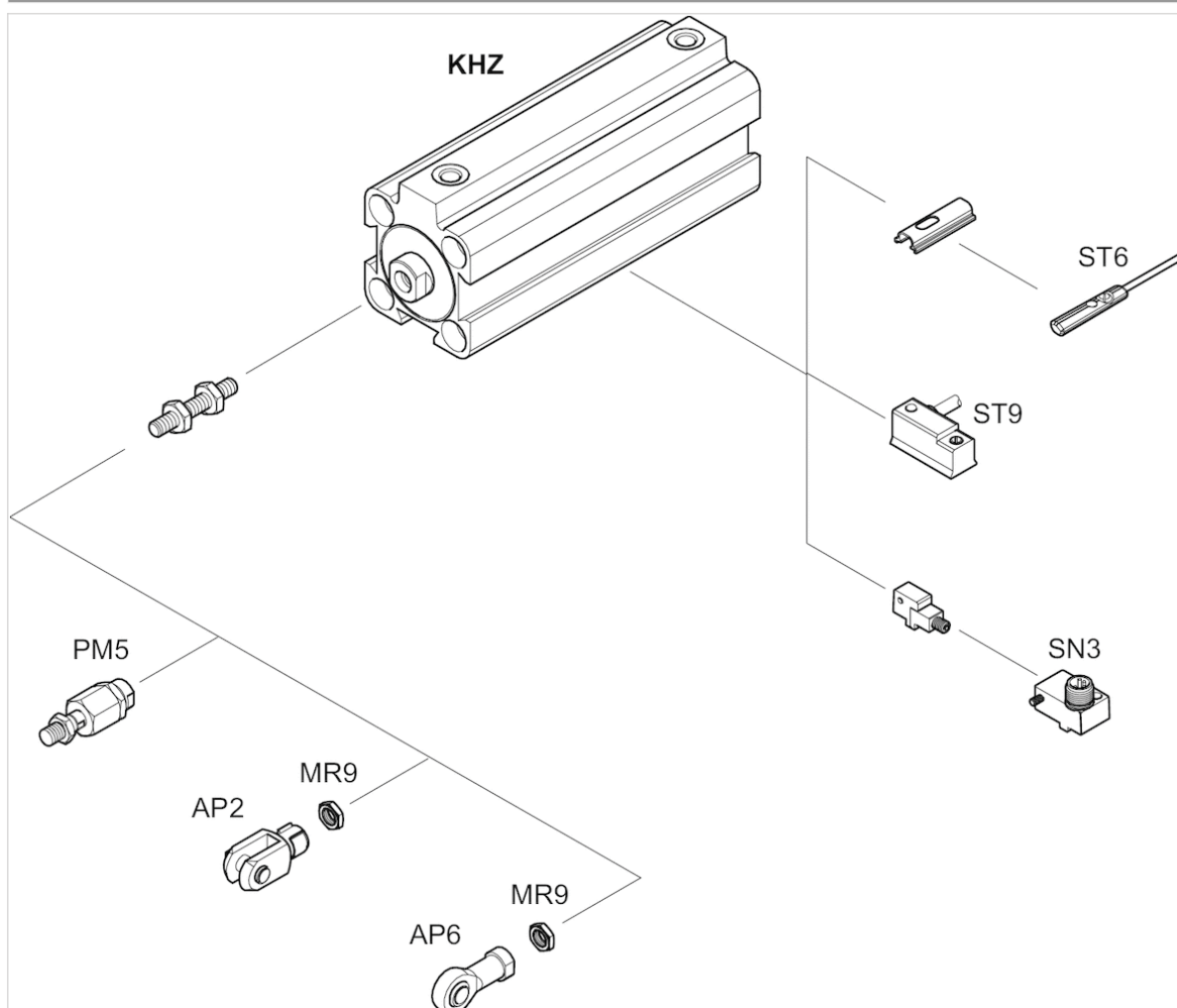
Piston Ø	W	VD -1	WH	ZA ±0,2	ZB ±0,8
20 mm	16 ±0,2	–	4.5	32	36.5
20 mm	16 ±0,2	–	4.5	38	42.5
25 mm	19,5 ±0,2	3.5	9.5	39	48.5
32 mm	24 ±0,2	3.5	11	39.5	50.5
40 mm	27,3 ±0,2	4.5	13.5	39.5	53
50 mm	33 ±0,2	6	13.5	39.5	53
63 mm	40 ±0,2	6.5	15.5	42	57.5
80 mm	50 ±0,3	8.5	18	46	64
100 mm	62 ±0,3	7	20	56	76

1) Min.

S = stroke

Accessories overview

Overview drawing

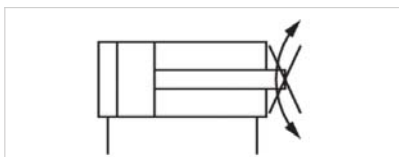


NOTE:

This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.

Short-stroke cylinder, Series RHZ

- Ø 20-63 mm
- Ports M5 G 1/8
- double-acting
- Cushioning elastic
- Piston rod Internal thread
- Piston rod non-rotating



Compressed air connection	Internal thread
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm
Stroke 10	0822010721	0822010731	0822010741	0822010751	0822010761	0822010771
15	0822010722	0822010732	0822010742	0822010752	0822010762	0822010772
20	0822010723	0822010733	0822010743	0822010753	0822010763	0822010773
25	0822010724	0822010734	0822010744	0822010754	0822010764	0822010774
30	0822010725	0822010735	0822010745	0822010755	0822010765	0822010775
40	0822010726	0822010736	0822010746	0822010756	0822010766	0822010776
50	0822010727	0822010737	0822010747	0822010757	0822010767	0822010777

Other versions can be ordered from AVENTICS sales offices.

Technical data

Piston Ø	20 mm	25 mm	32 mm	40 mm
Retracting piston force	148 N	260 N	435 N	720 N
Extracting piston force	198 N	309 N	507 N	792 N
Impact energy	0,08 J	0,1 J	0,16 J	0,24 J
Weight 0 mm stroke	0,092 kg	0,178 kg	0,195 kg	0,285 kg
Weight +10 mm stroke	0,024 kg	0,034 kg	0,05 kg	0,06 kg

Piston Ø	20 mm	25 mm	32 mm	40 mm
Working pressure min./max.	1 ... 10 bar	1 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar
Material, front cover	Brass	Brass	Aluminum	Aluminum

Piston Ø	50 mm	63 mm
Retracting piston force	1110 N	1837 N
Extracting piston force	1237 N	1964 N
Impact energy	0,32 J	0,38 J
Weight 0 mm stroke	0,388 kg	0,636 kg
Weight +10 mm stroke	0,086 kg	0,114 kg
Working pressure min./max.	0,6 ... 10 bar	0,6 ... 10 bar
Material, front cover	Aluminum	Aluminum

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

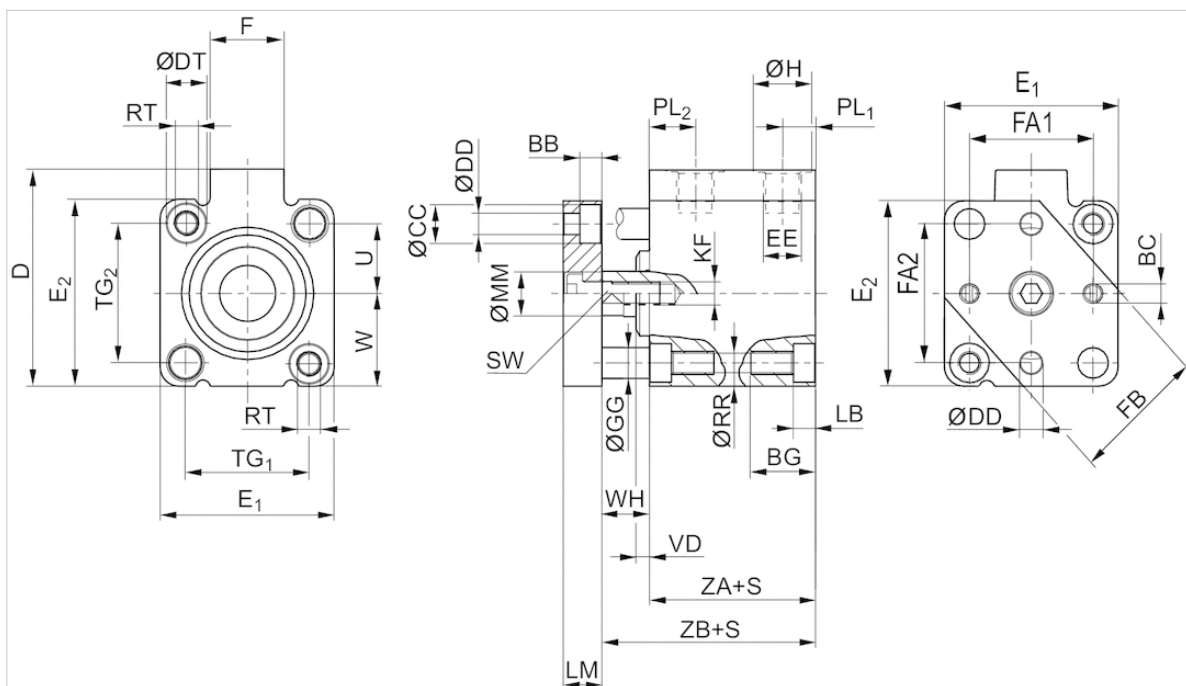
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Piston	Nitrile rubber
Front cover	Brass Aluminum
End cover	Aluminum
Scraper	Polyurethane

Dimensions

Dimensions



Dimensions

Piston Ø	S	BB	BC	BG ¹⁾	ØCC	D JS15	ØDD	ØDT H13	E1 JS15	E2 JS15	EE	F	FB
20 mm	10 - 50	5	M 4	13.6	7.5	37	4.5	7.5	32	32	M 5	11	25
25 mm	10 - 50	5	M 4	13.6	8	47.5	4.5	8	37	39	G 1/8	17,5	30
32 mm	10 - 50	5,7	M 5	16.7	10	56	5.5	10	45	48	G 1/8	18.5	35
40 mm	10 - 50	5,7	M 5	16.7	10	62.5	5.5	10	54.5	54.5	G 1/8	18.5	40
50 mm	10 - 50	6,8	M 6	19.8	11	72	6.5	11	64	64	G 1/8	18	50
63 mm	10 - 50	9	M 6	25	14	88	9	15	80	80	G 1/8	23	60

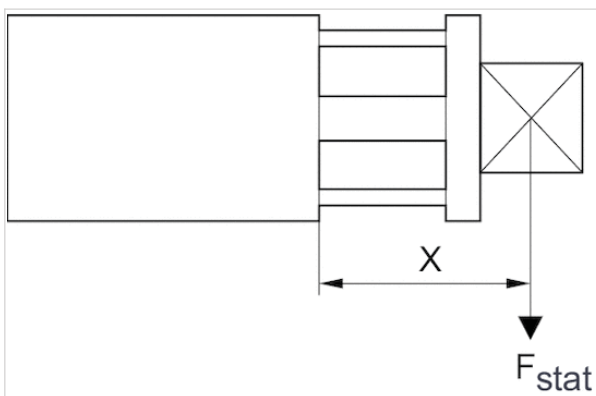
Piston Ø	ØGG -0,005/-0,025	ØH	KF	LB +0,4	LM	ØMM f8	PL1	PL2	ØRR	RT	SW -0,3
20 mm	5	8	M 5	4.6	8	10	5	8	4.2	M 5	8
25 mm	6	15	M 5	4.6	8	10	9	11	4.2	M 5	8
32 mm	8	15	M 6	5.7	10	12	8.5	12	5.05	M 6	10
40 mm	8	15	M 6	5.7	10	12	9	11	5.05	M 6	10
50 mm	10	15	M 8	6.8	12	16	8,5	11	6.8	M 8	13
63 mm	12	15	M 8	9	12	16	8,5	12,5	8.5	M 10	13

Piston Ø	TG1	TG2	U	W	VD -1	WH	FA1 ±0,1	FA2 ±0,1	ZA ±0,2	ZB ±0,8
20 mm	22 ±0,2	22 ±0,2	11	16 ±0,2	–	9,5	22	22	24.5	34
25 mm	26 ±0,25	28 ±0,25	14	19,5 ±0,2	3.5	11,5	26	28	31	42.5
32 mm	32 ±0,25	36 ±0,25	18	24 ±0,2	3.5	12,5	32	36	33	45.5
40 mm	40 ±0,25	40 ±0,25	20	27,3 ±0,2	4.5	15	40	40	33	48
50 mm	50 ±0,25	50 ±0,25	25	32 ±0,2	6	17	50	50	32.5	49.5

Piston Ø	TG1	TG2	U	W	VD -1	WH	FA1 ±0,1	FA2 ±0,1	ZA ±0,2	ZB ±0,8
63 mm	62 ±0,25	62 ±0,25	31	40 ±0,2	6.5	17	62	62	35.5	52.5

Diagrams

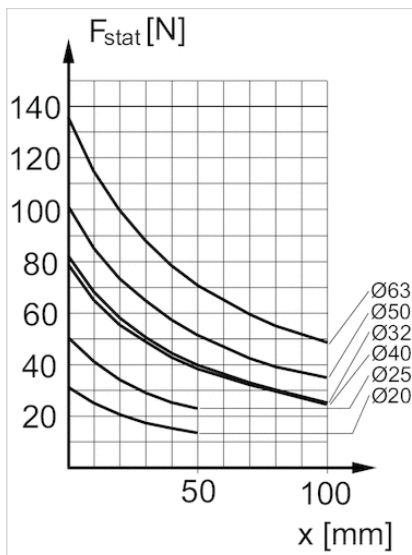
Maximum admissible lateral force static



F_{stat} = static lateral force

X = distance between force application point and cylinder cover

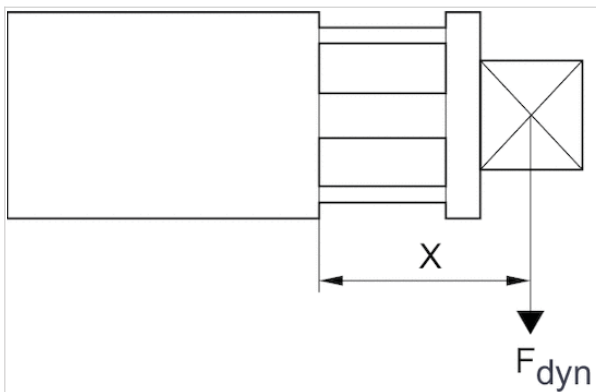
Maximum admissible lateral force static



F_{stat} = static lateral force

X = distance between force application point and cylinder cover

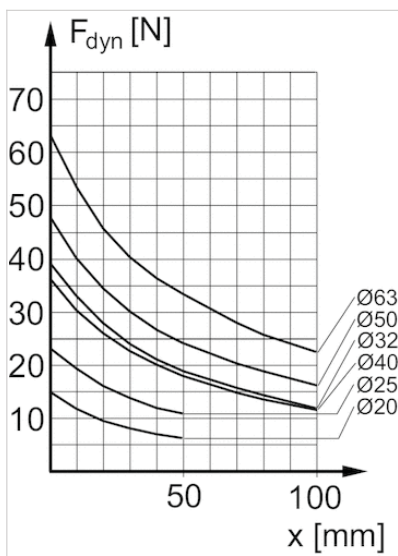
Maximum admissible lateral force dynamic



F_{dyn} = dynamic lateral force

X = distance between force application point and cylinder cover

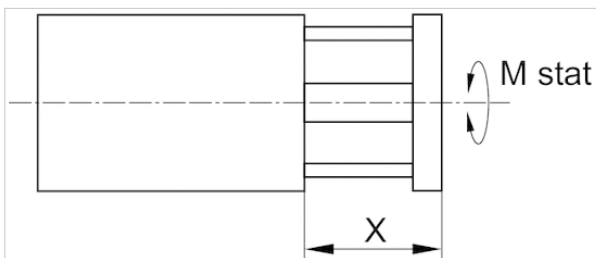
Maximum admissible lateral force dynamic



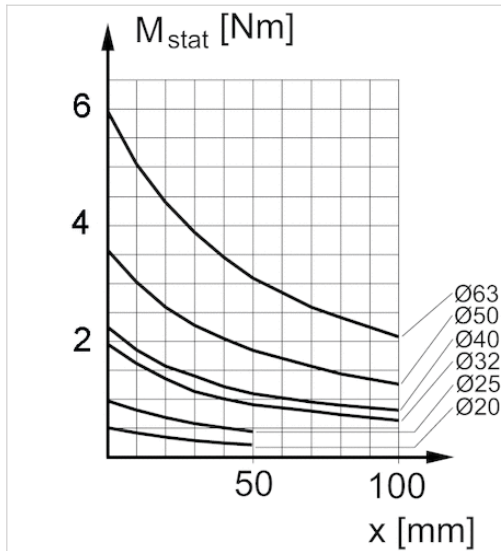
F_{dyn} = dynamic lateral force

X = distance between force application point and cylinder cover

Max. permissible torque static

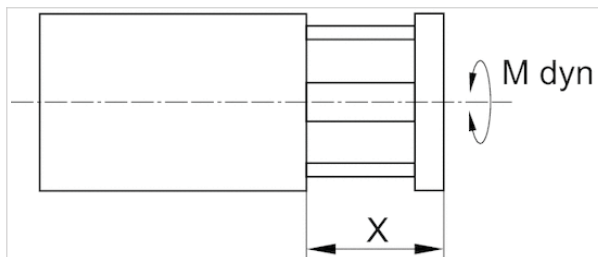


Max. permissible torque static

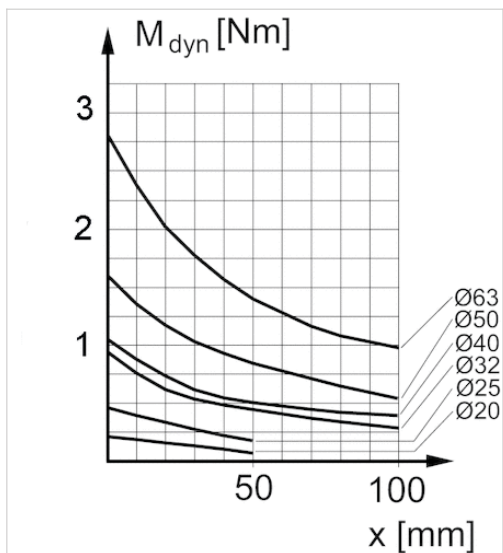


x = distance between force application point and cylinder cover

Max. permissible torque dynamic



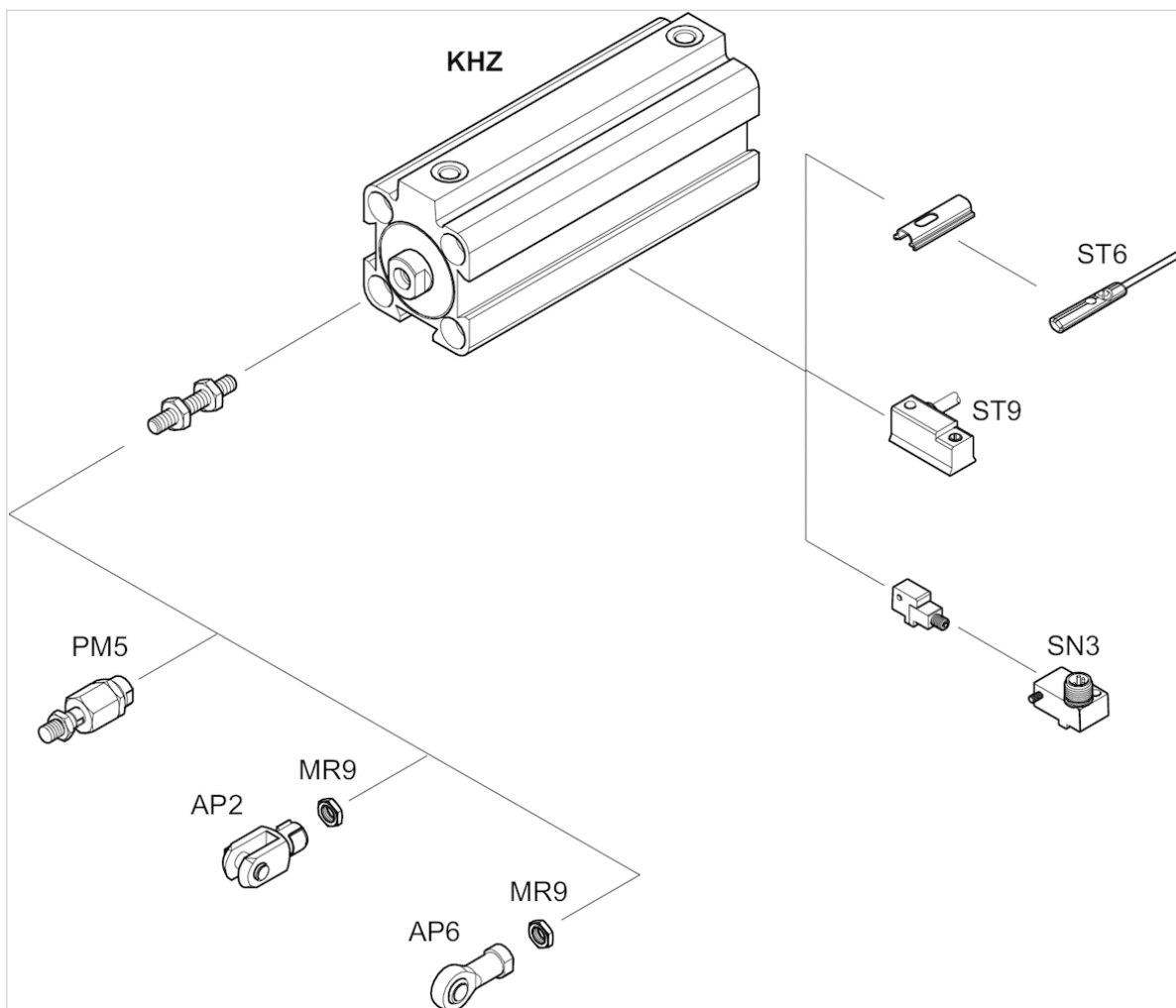
Max. permissible torque Dynamic



X = distance between force application point and cylinder cover

Accessories overview

Overview drawing

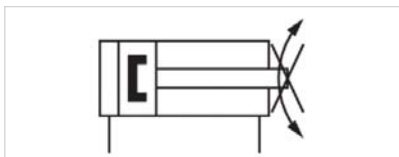


NOTE:

This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.

Short-stroke cylinder, Series RHZ

- Ø 16-100 mm
- Ports M5 G 1/8 G 1/4
- double-acting
- with magnetic piston
- Cushioning elastic
- Piston rod Internal thread
- Piston rod non-rotating



Compressed air connection	Internal thread
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø	16 mm	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm
Stroke 10	0822010811	0822010821	0822010831	0822010841	0822010851	0822010861	0822010871
15	0822010812	0822010822	0822010832	0822010842	0822010852	0822010862	0822010872
20	0822010813	0822010823	0822010833	0822010843	0822010853	0822010863	0822010873
25	0822010814	0822010824	0822010834	0822010844	0822010854	0822010864	0822010874
30	0822010815	0822010825	0822010835	0822010845	0822010855	0822010865	0822010875
40	0822010816	0822010826	0822010836	0822010846	0822010856	0822010866	0822010876
50	0822010817	0822010827	0822010837	0822010847	0822010857	0822010867	0822010877
80	-	-	-	0822010848	0822010858	0822010868	0822010878
100	-	-	-	0822010849	0822010859	0822010869	0822010879

Piston Ø	80 mm	100 mm
Stroke 10	0822010881	0822010891
15	-	-
20	-	-
25	0822010884	0822010894
30	-	-

Piston Ø	80 mm	100 mm
40	-	-
50	0822010887	0822010897
80	0822010888	0822010898
100	0822010889	0822010899

Other versions can be ordered from AVENTICS sales offices.

Technical data

Piston Ø	16 mm	20 mm	25 mm	32 mm
Retracting piston force	95 N	148 N	260 N	435 N
Extracting piston force	127 N	198 N	309 N	507 N
Impact energy	0,06 J	0,08 J	0,1 J	0,16 J
Weight 0 mm stroke	0,084 kg	0,092 kg	0,178 kg	0,195 kg
Weight +10 mm stroke	0,018 kg	0,024 kg	0,034 kg	0,05 kg
Working pressure min./max.	1 ... 10 bar	1 ... 10 bar	1 ... 10 bar	0,6 ... 10 bar
Material, front cover	Brass	Brass	Brass	Aluminum

Piston Ø	40 mm	50 mm	63 mm	80 mm
Retracting piston force	720 N	1110 N	1766 N	2857 N
Extracting piston force	792 N	1237 N	1964 N	3167 N
Impact energy	0,24 J	0,32 J	0,38 J	0,38 J
Weight 0 mm stroke	0,285 kg	0,388 kg	0,636 kg	1,22 kg
Weight +10 mm stroke	0,06 kg	0,086 kg	0,114 kg	0,167 kg
Working pressure min./max.	0,6 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar
Material, front cover	Aluminum	Aluminum	Aluminum	Aluminum

Piston Ø	100 mm
Retracting piston force	4639 N
Extracting piston force	4948 N
Impact energy	0,5 J
Weight 0 mm stroke	2,38 kg
Weight +10 mm stroke	0,242 kg
Working pressure min./max.	0,6 ... 10 bar
Material, front cover	Aluminum

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

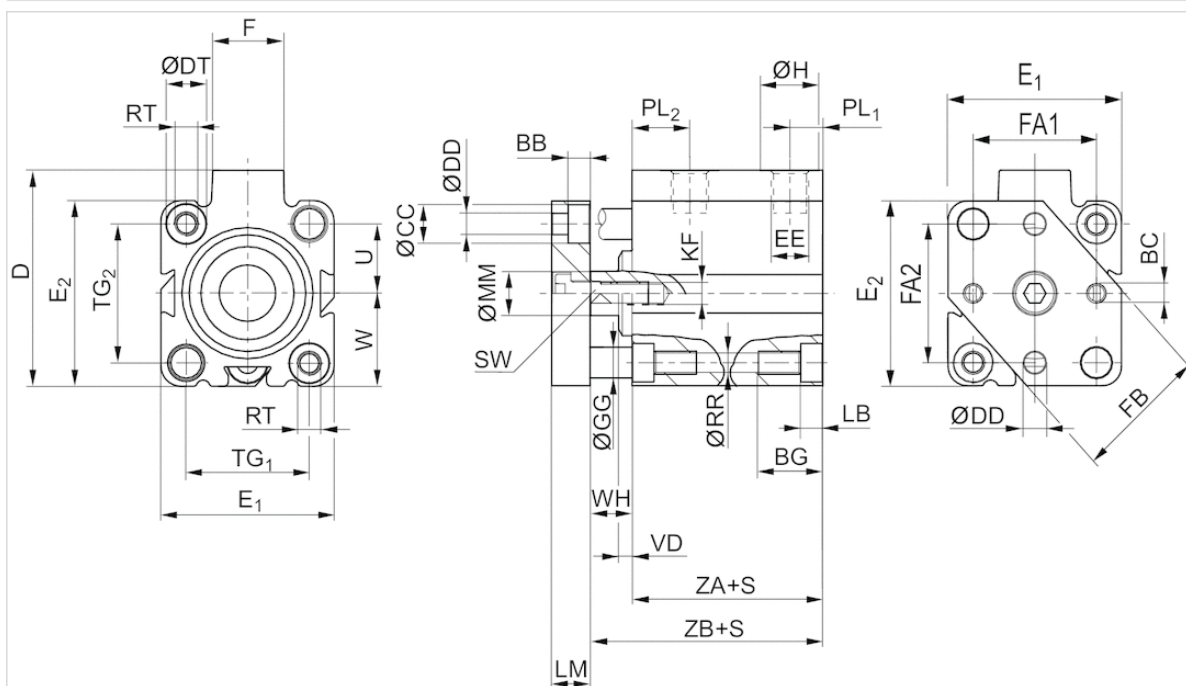
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Piston	Nitrile rubber
Front cover	Brass Aluminum
End cover	Aluminum
Scraper	Polyurethane

Dimensions

Dimensions



Dimensions

Piston Ø	S	BB	BC	BG ¹⁾	ØCC	D JS15	ØDD	ØDT H13	E1 JS15
16 mm	10	3.5	M3	12.4	6	33	3.5	6	28
16 mm	15 - 50	3.5	M3	17.5	6	33	3.5	6	28
20 mm	10	5	M4	13.6	7.5	37	4.5	7.5	32
20 mm	15 - 50	5	M4	13.6	7.5	37	4.5	7.5	32
25 mm	10 - 50	5	M4	13.6	8	47.5	4.5	8	37
32 mm	10 - 100	5.7	M5	16.7	10	56	5.5	10	45
40 mm	10 - 100	5.7	M5	16.7	10	62.5	5.5	10	54.5
50 mm	10 - 100	6.8	M6	19.8	11	73	6.5	11	66
63 mm	10 - 100	9	M6	25	14	88	9	15	80
80 mm	10/25/50 /80/100	9	M8	25	14	110	9	15	100
100 mm	10/25/50 /80/100	9	M8	30	14	132	9	17.5	124

Piston Ø	E2 JS15	EE	F	FB	ØGG -0,005/-0,025	ØH	KF	LB +0,4	LM
16 mm	28	M5	11.5	20	4	8	M 5	3.4	6
16 mm	28	M5	11.5	20	4	8	M 5	8.5	6
20 mm	32	M5	11	25	5	8	M 5	4.6	8
20 mm	32	M5	11	25	5	8	M 5	4.6	8
25 mm	39	G 1/8	17.5	30	6	15	M 5	4.6	8
32 mm	48	G 1/8	18.5	35	8	15	M 6	5.7	10
40 mm	54.5	G 1/8	18.5	40	8	15	M 6	5.7	10
50 mm	66	G 1/8	18	50	10	15	M 8	6.8	12
63 mm	80	G 1/8	23	60	12	15	M 8	9	12
80 mm	100	G 1/4	27	75	12	19	M 10	9	15
100 mm	124	G 1/4	28	90	14	19	M 12	11	15

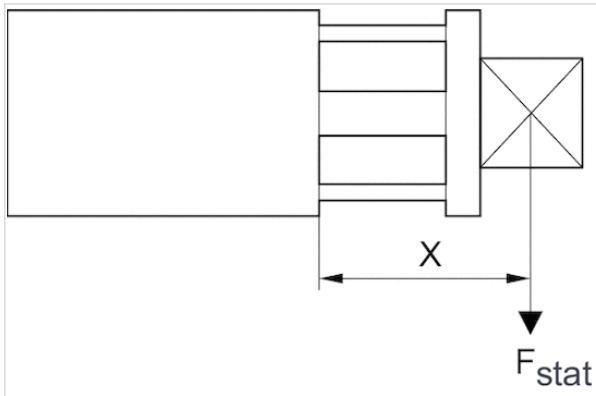
Piston Ø	ØMM f8	PL1	PL2	ØRR	RT	SW -0,3	TG1	TG2	U	VD -1
16 mm	8	6.5	11.3	3.3	M4	7	20 ±0,2	20 ±0,2	10	—
16 mm	8	6.5	11.3	3.3	M4	7	20 ±0,2	20 ±0,2	10	—
20 mm	10	6.5	10	4.2	M5	8	22 ±0,2	22 ±0,2	11	—
20 mm	10	6.5	10	4.2	M5	8	22 ±0,2	22 ±0,2	11	—
25 mm	10	9.5	11.5	4.2	M5	8	26 ±0,25	28 ±0,25	14	3.5
32 mm	12	8.5	15	5.05	M6	10	32 ±0,25	36 ±0,25	18	3.5
40 mm	12	10	13.5	5.05	M6	10	40 ±0,25	40 ±0,25	20	4.5
50 mm	16	10	14	6.8	M8	13	50 ±0,25	50 ±0,25	25	6
63 mm	16	11.5	14	8.5	M10	13	62 ±0,25	62 ±0,25	31	6.5
80 mm	20	12	15.5	8.5	M10	17	82 ±0,3	82 ±0,3	41	8.5
100 mm	25	12	18.5	10.2	M12	22	103 ±0,3	103 ±0,3	51.5	7

Piston Ø	W	WH	FA1 ±0,1	FA2 ±0,1	ZA ±0,2	ZB ±0,8
16 mm	14 ±0,2	4.5	20	20	32	36.5
16 mm	14 ±0,2	4.5	20	20	38	42.5
20 mm	16 ±0,2	4.5	22	22	32	36.5
20 mm	16 ±0,2	4.5	22	22	38	42.5

Piston Ø	W	WH	FA1 ±0,1	FA2 ±0,1	ZA ±0,2	ZB ±0,8
25 mm	19,5 ±0,2	9.5	26	28	39	48.5
32 mm	24 ±0,2	11	32	36	39.5	50.5
40 mm	27,3 ±0,2	13.5	40	40	39.5	53
50 mm	33 ±0,2	13.5	50	50	39.5	53
63 mm	40 ±0,2	15.5	62	62	42	57.5
80 mm	50 ±0,3	18	82	82	46	64
100 mm	62 ±0,3	20	103	103	56	76

Diagrams

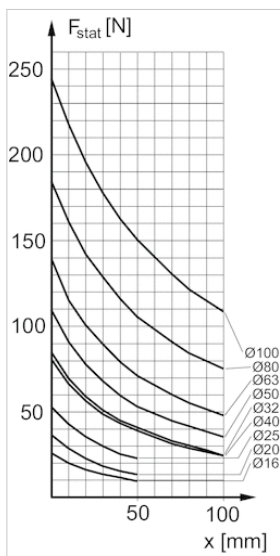
Maximum admissible lateral force static



F_{stat} = static lateral force

X = distance between force application point and cylinder cover

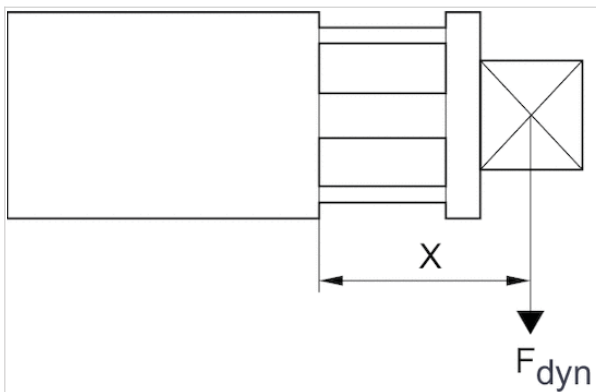
Maximum admissible lateral force static



F_{stat} = static lateral force

X = distance between force application point and cylinder cover

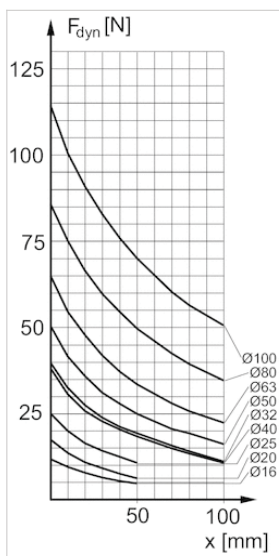
Maximum admissible lateral force dynamic



F_{dyn} = dynamic lateral force

X = distance between force application point and cylinder cover

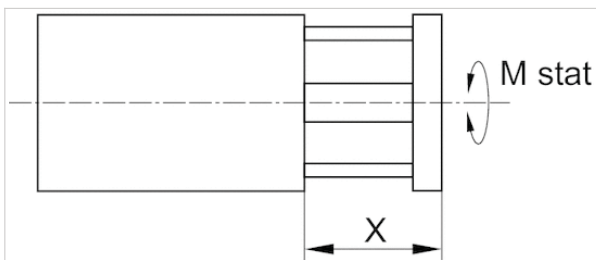
Maximum admissible lateral force dynamic



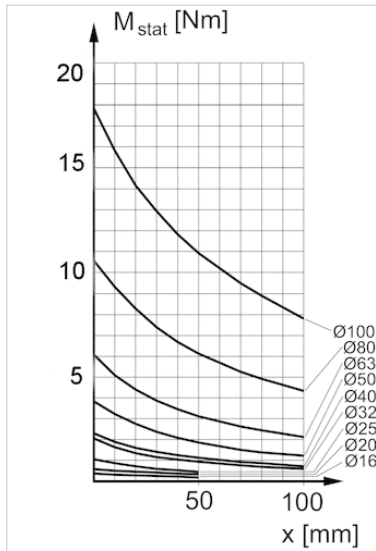
F_{dyn} = dynamic lateral force

X = distance between force application point and cylinder cover

Max. permissible torque static

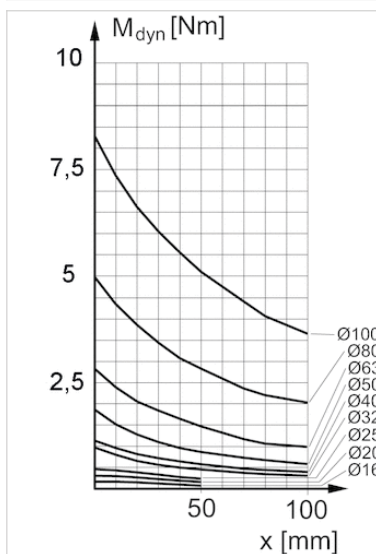


Max. permissible torque static



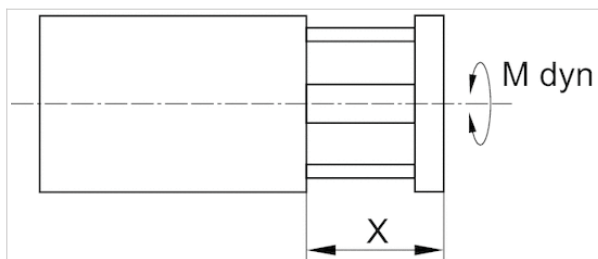
x = distance between force application point and cylinder cover

M = max. permissible torque dynamic



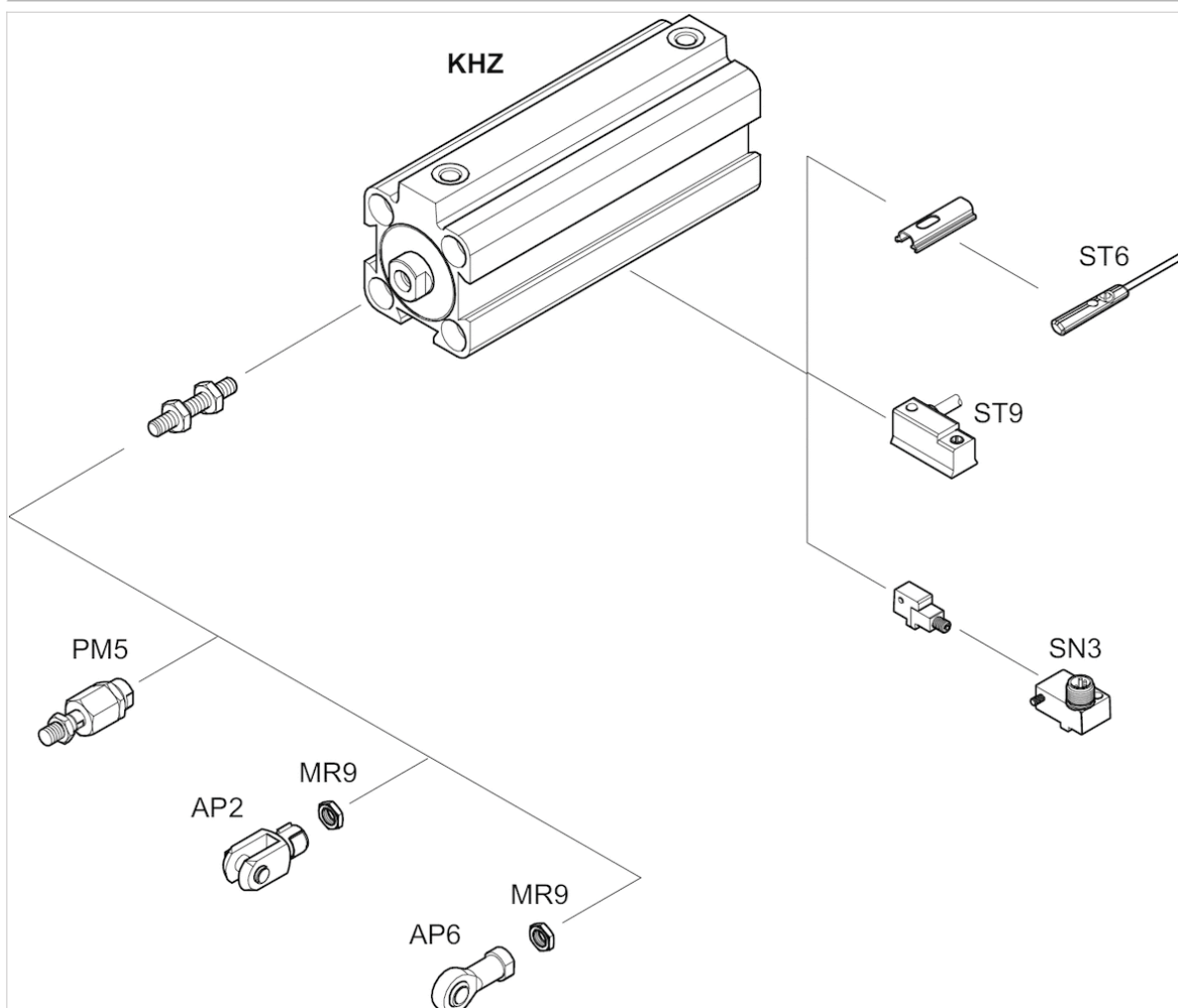
x = distance between force application point and cylinder cover

Max. permissible torque dynamic



Accessories overview

Overview drawing



NOTE:

This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.