



techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

Process &
Instrumentation

Pneumatic & Vacuum

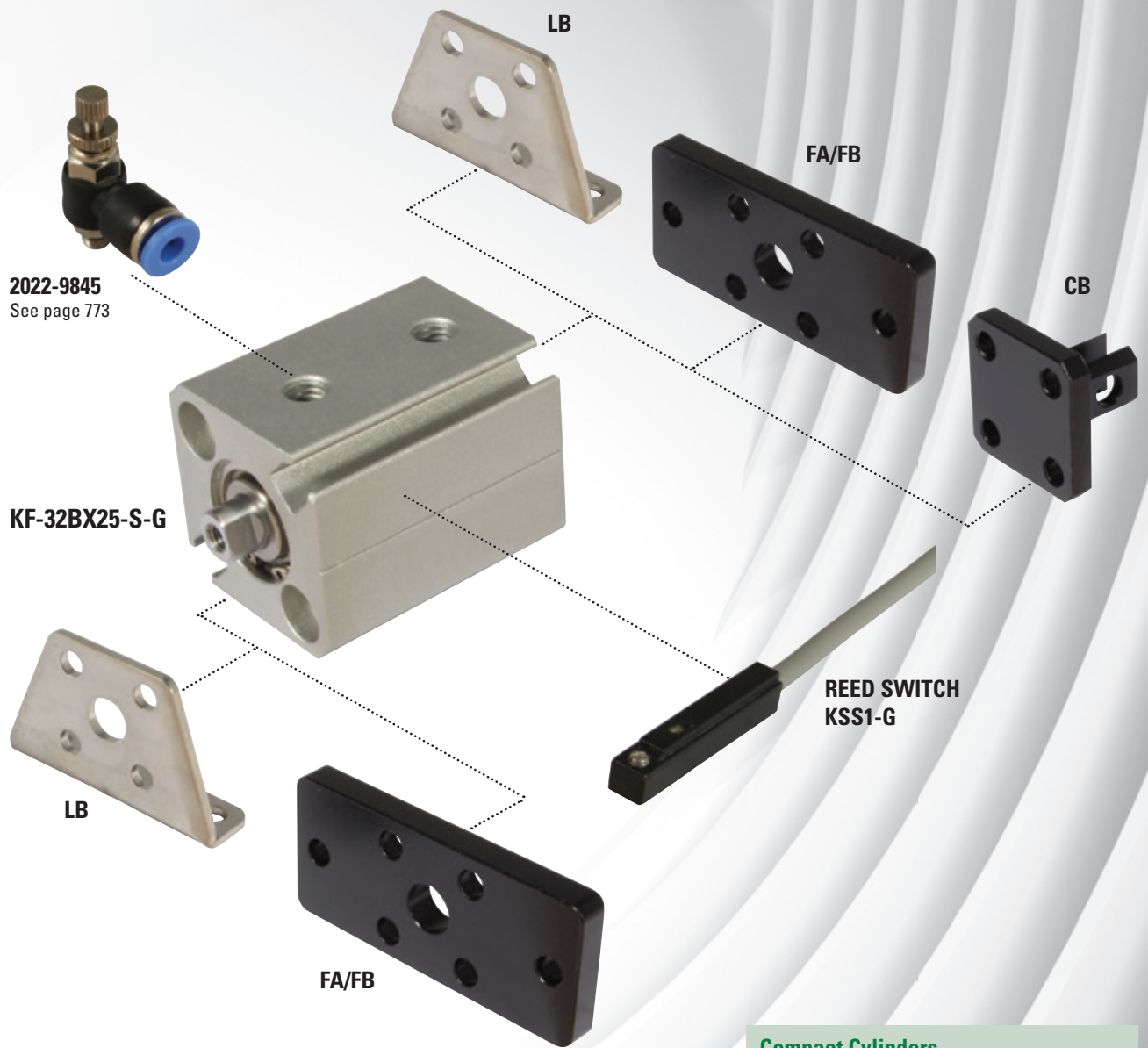
Compact Cylinders & Accessories

PNEUMATIC COMPACT MAGNETIC CYLINDERS

Accessories & Mounting Selector

stainless
steel

FT PRO®



2022-9845
See page 773

KF-32BX25-S-G

LB

FA/FB

CB

REED SWITCH
KSS1-G

LB

FA/FB

Cylinders
Pages 518-519

Mountings
Pages 520

Reed Switches
Page 520

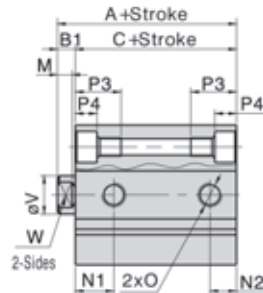
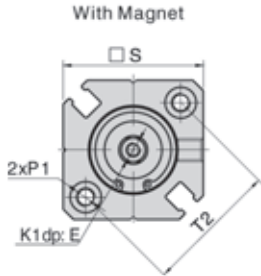
Compact Cylinders

CB	Rear clevis mounting
FA/FB	Front and rear flange mounting
LB	Foot mounting (pair)
Reed Switches	Two wire N/O with LED

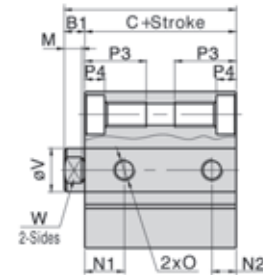
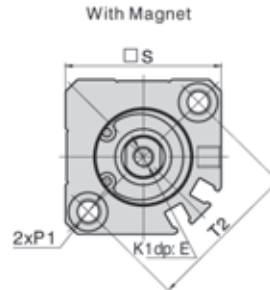
Technical Information

Dimensions

Ø12 and Ø16



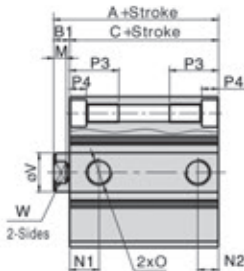
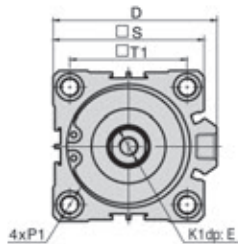
Ø20 and Ø25



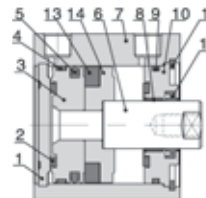
Model Item/ Bore	With Magnet							N1		N2		O	P1	P3	P4	S	T1	T2	V	W	
	A	C	B1	D	E	K1	M	Without Magnet	With Magnet	Without Magnet	With Magnet										
12	31.5	28	3.5	-	6	M3 x 0.5	3.5	7.5	9	5	7	M5 x 0.8	2 sides: Ø6.5 Thread: M4 x 0.7 Through hole: Ø3.4	11	3.5	25	15.5	22	6	5	
16	34	30.5	3.5	-	8	M4 x 0.7	3	8	9.5		5.5	M5 x 0.8	2 sides: Ø9 Thread: M6 x 1.0 Through hole: Ø5.2	17	7	36	25.5	36	10	8	
20	36	31.5	4.5	-	7	M5 x 0.8	4	9	9.5		5.5	M5 x 0.8	2 sides: Ø9 Thread: M6 x 1.0 Through hole: Ø5.2	17	7	40	28	40	12	10	
25	37.5	32.5	5	25	12	M6 x 1.0	4.5		11		5.5										

Dimensions

Ø32 and Ø100 (stroke ≤100)



Inner Structure



Model	With Magnet							N1		N2	
	A	C	B1	D	E	K1	M	Without Magnet	With Magnet	Without Magnet	With Magnet
32	40	33	7	49.5	13	M8 x 1.25	6	7.5	10.5	6.5	7.5
40	46.5	39.5	7	57	13	M8 x 1.25	6	10.5	11		7.5
50	48.5	40.5	8	71	15	M10 x 1.5	6.5	9	10.5	9	10.5
63	54	46	8	84	15	M10 x 1.5	6.5	14	15	9.5	10.5
80	63.5	53.5	10	104	20	M16 x 2.0	8.5	15	16		10.5
100	75	63	12	123.5	26	M20 x 2.5	9.5	16	20		14

Item/Bore	O	P1	P3	P4	S	T1	T2	V	W
32	1/8"	2 sides: Ø9 Thread: M6 x 1.0 Through hole: Ø5.2	17	7	45	34	-	16	14
40	1/8"	2 sides: Ø9 Thread: M6 x 1.0 Through hole: Ø5.2	17	7	53	40	-	16	14
50	1/4"	2 sides: Ø11 Thread: M8 x 1.25 Through hole: Ø6.5	22	8	64	50	-	20	17
63	1/4"	2 sides: Ø14 Thread: M10 x 1.5 Through hole: Ø8.7	28.5	10.5	77	60	-	20	17
80	3/8"	2 sides: Ø17.5 Thread: M12 x 1.75 Through hole: Ø10.7	35.5	13.5	98	77	-	25	22
100	3/8"	2 sides: Ø17.5 Thread: M12 x 1.75 Through hole: Ø10.7	35.5	13.5	117	94	-	32	27

No.	Bore/Item	Material				
		12 & 16	20	25	32	10-100
1	Back cover	-		Aluminium Alloy		
2	Bumper		TPU			NBR
3	Piston	Brass		Aluminium Alloy		
4	Wear ring		-			Wear-resistant material
5	Piston O-ring			NBR		
6	Piston Rod	Carbon steel with 20µm chrome plated				
7	Body	Aluminium alloy				
8	Bushing		-			Wear-resistant material
9	Cover Gasket	NBR				
10	Front Cover	Brass		Aluminium alloy		
11	C clip	Spring steel				
12	Front cover packing	NBR				
13	Magnet	Sintered metal (neodymium-iron-boron)		Plastic		
14	Magnet holder	Brass		Aluminium Alloy		

PNEUMATIC CYLINDERS



Compact Magnetic Cylinders

Medium:

Clean compressed air. Filtered (40µm) and lubricated cushioning-buffer.

Body: Aluminium

Seals: Nitrile

Working Temperature:
-20°C to +80°C

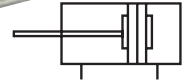
Working Pressure:
1 to 10 bar



See page 520 for Compact Cylinder Standard and Viton Seal Kits

Double Acting

0334	Bore mm	Stroke mm	Thread	Piston Rod Thread
KKS-12X5	12	5	M5 x 0.8	M3 x 0.5
KKS-12X10	12	10	M5 x 0.8	M3 x 0.5
KKS-12X20	12	20	M5 x 0.8	M3 x 0.5
KKS-12X25	12	25	M5 x 0.8	M3 x 0.5
KKS-12X30	12	30	M5 x 0.8	M3 x 0.5
KKS-12X40	12	40	M5 x 0.8	M3 x 0.5
KKS-12X50	12	50	M5 x 0.8	M3 x 0.5
KKS-16X5	16	5	M5 x 0.8	M4 x 0.7
KKS-16X10	16	10	M5 x 0.8	M4 x 0.7
KKS-16X15	16	15	M5 x 0.8	M4 x 0.7
KKS-16X25	16	25	M5 x 0.8	M4 x 0.7
KKS-16X30	16	30	M5 x 0.8	M4 x 0.7
KKS-16X35	16	35	M5 x 0.8	M4 x 0.7
KKS-16X50	16	50	M5 x 0.8	M4 x 0.7
KKS-16X55	16	55	M5 x 0.8	M4 x 0.7
KKS-16X60	16	60	M5 x 0.8	M4 x 0.7
KKS-20X5	20	5	M5 x 0.8	M5 x 0.8
KKS-20X10	20	10	M5 x 0.8	M5 x 0.8
KKS-20X15	20	15	M5 x 0.8	M5 x 0.8
KKS-20X20	20	20	M5 x 0.8	M5 x 0.8
KKS-20X25	20	25	M5 x 0.8	M5 x 0.8
KKS-20X30	20	30	M5 x 0.8	M5 x 0.8
KKS-20X40	20	40	M5 x 0.8	M5 x 0.8
KKS-20X45	20	45	M5 x 0.8	M5 x 0.8
KKS-20X50	20	50	M5 x 0.8	M5 x 0.8
KKS-20X70	20	70	M5 x 0.8	M5 x 0.8
KKS-20X80	20	80	M5 x 0.8	M5 x 0.8
KKS-20X90	20	90	M5 x 0.8	M5 x 0.8
KKS-20X100	20	100	M5 x 0.8	M5 x 0.8
KKS-25X5	25	5	M5 x 0.8	M6 x 1
KKS-25X10	25	10	M5 x 0.8	M6 x 1
KKS-25X15	25	15	M5 x 0.8	M6 x 1
KKS-25X20	25	20	M5 x 0.8	M6 x 1
KKS-25X25	25	25	M5 x 0.8	M6 x 1
KKS-25X30	25	30	M5 x 0.8	M6 x 1
KKS-25X35	25	35	M5 x 0.8	M6 x 1
KKS-25X40	25	40	M5 x 0.8	M6 x 1
KKS-25X45	25	45	M5 x 0.8	M6 x 1
KKS-25X50	25	50	M5 x 0.8	M6 x 1
KKS-25X60	25	60	M5 x 0.8	M6 x 1
KKS-25X70	25	70	M5 x 0.8	M6 x 1
KKS-25X75	25	75	M5 x 0.8	M6 x 1
KKS-25X80	25	80	M5 x 0.8	M6 x 1
KKS-25X90	25	90	M5 x 0.8	M6 x 1
KKS-25X100	25	100	M5 x 0.8	M6 x 1



0334	Bore mm	Stroke mm	Thread	Piston Rod Thread
KKS-32X5	32	5	1/8"	M8 x 1.25
KKS-32X10	32	10	1/8"	M8 x 1.25
KKS-32X15	32	15	1/8"	M8 x 1.25
KKS-32X20	32	20	1/8"	M8 x 1.25
KKS-32X25	32	25	1/8"	M8 x 1.25
KKS-32X30	32	30	1/8"	M8 x 1.25
KKS-32X35	32	35	1/8"	M8 x 1.25
KKS-32X40	32	40	1/8"	M8 x 1.25
KKS-32X45	32	45	1/8"	M8 x 1.25
KKS-32X50	32	50	1/8"	M8 x 1.25
KKS-32X60	32	60	1/8"	M8 x 1.25
KKS-32X70	32	70	1/8"	M8 x 1.25
KKS-32X75	32	75	1/8"	M8 x 1.25
KKS-32X80	32	80	1/8"	M8 x 1.25
KKS-32X100	32	100	1/8"	M8 x 1.25
KKS-32X125	32	125	1/8"	M8 x 1.25
KKS-32X150	32	150	1/8"	M8 x 1.25
KKS-40X5	40	5	1/8"	M8 x 1.25
KKS-40X10	40	10	1/8"	M8 x 1.25
KKS-40X15	40	15	1/8"	M8 x 1.25
KKS-40X20	40	20	1/8"	M8 x 1.25
KKS-40X25	40	25	1/8"	M8 x 1.25
KKS-40X30	40	30	1/8"	M8 x 1.25
KKS-40X35	40	35	1/8"	M8 x 1.25
KKS-40X40	40	40	1/8"	M8 x 1.25
KKS-40X45	40	45	1/8"	M8 x 1.25
KKS-40X50	40	50	1/8"	M8 x 1.25
KKS-40X60	40	60	1/8"	M8 x 1.25
KKS-40X75	40	75	1/8"	M8 x 1.25
KKS-40X100	40	100	1/8"	M8 x 1.25
KKS-40X125	40	125	1/8"	M8 x 1.25
KKS-50X10	50	10	1/4"	M10 x 1.5
KKS-50X15	50	15	1/4"	M10 x 1.5
KKS-50X20	50	20	1/4"	M10 x 1.5
KKS-50X25	50	25	1/4"	M10 x 1.5
KKS-50X30	50	30	1/4"	M10 x 1.5
KKS-50X40	50	40	1/4"	M10 x 1.5
KKS-50X45	50	45	1/4"	M10 x 1.5
KKS-50X50	50	50	1/4"	M10 x 1.5
KKS-50X60	50	60	1/4"	M10 x 1.5
KKS-50X70	50	70	1/4"	M10 x 1.5
KKS-50X75	50	75	1/4"	M10 x 1.5
KKS-50X80	50	80	1/4"	M10 x 1.5
KKS-50X90	50	90	1/4"	M10 x 1.5
KKS-50X100	50	100	1/4"	M10 x 1.5

Tech Sheet 3027

Further sizes in this range continued on next page

Compact Magnetic Cylinders

Medium:

Clean compressed air. Filtered (40µm) and lubricated cushioning-buffer.

Body: Aluminium

Seals: Nitrile



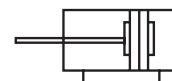
° Working Temperature:

-20°C to +80°C



Working Pressure:

1 to 10 bar



See page 520 for Compact Cylinder Standard and Viton Seal Kits

Double Acting

0334	Bore mm	Stroke mm	Thread	Piston Rod Thread
KKS-50X125	50	125	1/4"	M10 x 1.5
KKS-50X150	50	150	1/4"	M10 x 1.5
KKS-50X250	50	250	1/4"	M10 x 1.5
KKS-63X5	63	5	1/4"	M10 x 1.5
KKS-63X15	63	15	1/4"	M10 x 1.5
KKS-63X20	63	20	1/4"	M10 x 1.5
KKS-63X25	63	25	1/4"	M10 x 1.5
KKS-63X30	63	30	1/4"	M10 x 1.5
KKS-63X35	63	35	1/4"	M10 x 1.5
KKS-63X50	63	50	1/4"	M10 x 1.5
KKS-63X60	63	60	1/4"	M10 x 1.5
KKS-63X75	63	75	1/4"	M10 x 1.5
KKS-63X80	63	80	1/4"	M10 x 1.5
KKS-63X100	63	100	1/4"	M10 x 1.5
KKS-63X125	63	125	1/4"	M10 x 1.5
KKS-63X150	63	150	1/4"	M10 x 1.5
KKS-63X250	63	250	1/4"	M10 x 1.5
KKS-80X5	80	5	3/8"	M16 x 2
KKS-80X10	80	10	3/8"	M16 x 2
KKS-80X15	80	15	3/8"	M16 x 2
KKS-80X20	80	20	3/8"	M16 x 2
KKS-80X25	80	25	3/8"	M16 x 2
KKS-80X30	80	30	3/8"	M16 x 2
KKS-80X35	80	35	3/8"	M16 x 2
KKS-80X40	80	40	3/8"	M16 x 2
KKS-80X45	80	45	3/8"	M16 x 2
KKS-80X50	80	50	3/8"	M16 x 2
KKS-80X60	80	60	3/8"	M16 x 2
KKS-80X70	80	70	3/8"	M16 x 2
KKS-80X75	80	75	3/8"	M16 x 2

0334	Bore mm	Stroke mm	Thread	Piston Rod Thread
KKS-80X80	80	80	3/8"	M16 x 2
KKS-80X90	80	90	3/8"	M16 x 2
KKS-80X100	80	100	3/8"	M16 x 2
KKS-80X125	80	125	3/8"	M16 x 2
KKS-80X150	80	150	3/8"	M16 x 2
KKS-80X175	80	175	3/8"	M16 x 2
KKS-80X200	80	200	3/8"	M16 x 2
KKS-80X250	80	250	3/8"	M16 x 2
KKS-100X5	100	5	3/8"	M20 x 2.5
KKS-100X10	100	10	3/8"	M20 x 2.5
KKS-100X15	100	15	3/8"	M20 x 2.5
KKS-100X20	100	20	3/8"	M20 x 2.5
KKS-100X25	100	25	3/8"	M20 x 2.5
KKS-100X30	100	30	3/8"	M20 x 2.5
KKS-100X35	100	35	3/8"	M20 x 2.5
KKS-100X40	100	40	3/8"	M20 x 2.5
KKS-100X45	100	45	3/8"	M20 x 2.5
KKS-100X50	100	50	3/8"	M20 x 2.5
KKS-100X60	100	60	3/8"	M20 x 2.5
KKS-100X70	100	70	3/8"	M20 x 2.5
KKS-100X75	100	75	3/8"	M20 x 2.5
KKS-100X80	100	80	3/8"	M20 x 2.5
KKS-100X90	100	90	3/8"	M20 x 2.5
KKS-100X100	100	100	3/8"	M20 x 2.5
KKS-100X125	100	125	3/8"	M20 x 2.5
KKS-100X150	100	150	3/8"	M20 x 2.5
KKS-100X175	100	175	3/8"	M20 x 2.5
KKS-100X200	100	200	3/8"	M20 x 2.5
KKS-100X250	100	250	3/8"	M20 x 2.5

Tech Sheet 3027

PNEUMATIC CYLINDERS

Compact Cylinder Mountings



Rear Clevis Mounting CB

0334	Bore mm
KSS-20-CB	20
KSS-32-CB	32
KSS-40-CB	40
KSS-50-CB	50
KSS-63-CB	63
KSS-80-CB	80

Tech Sheet 3028



Front/Rear Flange Mounting FA/FB

0334	Bore mm
KSS-12-FAFB	12
KSS-16-FAFB	16
KSS-20-FAFB	20
KSS-25-FAFB	25
KSS-32-FAFB	32
KSS-40-FAFB	40
KSS-50-FAFB	50
KSS-63-FAFB	63
KSS-80-FAFB	80

Tech Sheet 3029



Foot Mountings LB (Pair)

0334	Bore mm	To Suit Stroke
KSS-12-LB	12	All
KSS-20-LB	20	>15
KSS-25-LB	25	>10
KSS-32-LB	32	>10
KSS-40-LB	40	All
KSS-50-LB	50	>15
KSS-63-LB	63	>10
KSS-100-LB	100	>15

Tech Sheet 3030

Foot Mountings LBS (Pair) Short Stroke

0334	Bore mm	To Suit Stroke
KSS-20-LBS-P1	20	<10
KSS-25-LBS-P1	25	<5
KSS-50-LBS-P1	50	<10

Tech Sheet 3030

Reed Switches to suit Compact Cylinders



Two Wire, N/O with LED 2 Metres

0334	Bore mm	Voltage
KSS1-G	32-100	5-240V AC/DC

Tech Sheet 3031

Repair Kits to suit Compact Cylinders



Standard

0334	Bore mm
KKSRK-12	12
KKSRK-16	16
KKSRK-20	20
KKSRK-25	25
KKSRK-32	32
KKSRK-40	40
KKSRK-50	50
KKSRK-63	63
KKSRK-80	80

Tech Sheet 20388

Viton

0334	Bore mm
KKSRK-12-V	12
KKSRK-20-V	20
KKSRK-50-V	50

Tech Sheet 20389

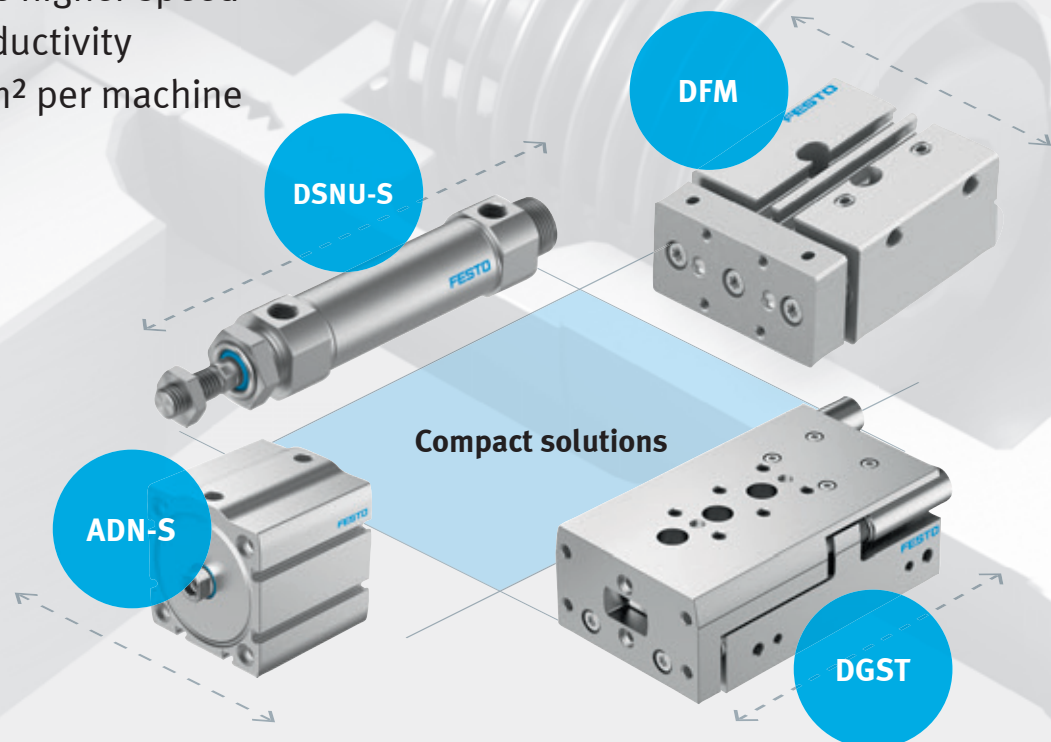
Save space, increase productivity

FESTO

Pneumatic components are often the preferred option for machines since they have a high power density. Smaller components are ever more popular because they are easy to use, save energy and help to boost productivity too.

Benefits of compact products

- Lower energy consumption
- Less material used
 - smaller CO₂ footprint
- More space for other movements
 - increased productivity
- Less mass means higher speed
 - increased productivity
- Less expensive m² per machine



CYLINDERS

For the full range and more information, please contact one of our sales team.

ADN COMPACT CYLINDER ISO 21287 (Male & Female Piston Rod)



Features

Up to 50% less fitting space compared to standard cylinders

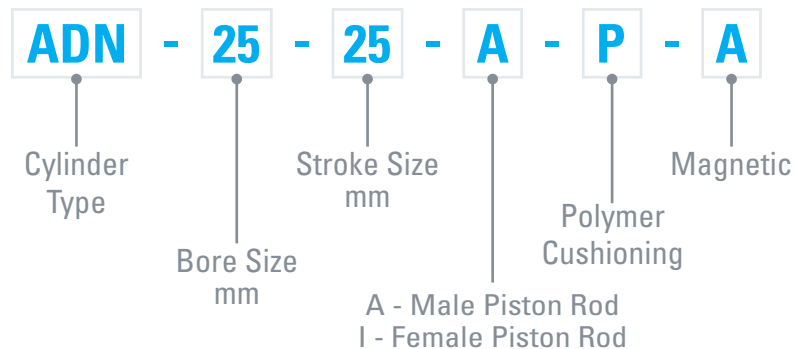
High speeds and machine cycles due to excellent running and cushioning characteristics

Comprehensive range of mounting accessories



Patented 3 component piston

Product Description

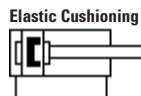




Double Acting, Elastic Cushioning Rings

- Compact cylinders with standard dimensions
- Comply with the standard ISO 21287
- Innovative technology for maximum speeds
- Flexible in use thanks to easy-to-configure variant
- T-Slot

Ambient Temperature:
-20°C to +80°C



Magnetic Male Piston Rod Thread

0009	Piston Diameter mm	Stroke mm	Piston Rod Thread	Manufacturer's Code
536204	12	5	M5	ADN-12-5-A-P-A
536205	12	10	M5	ADN-12-10-A-P-A
536206	12	15	M5	ADN-12-15-A-P-A
536207	12	20	M5	ADN-12-20-A-P-A
536208	12	25	M5	ADN-12-25-A-P-A
536209	12	30	M5	ADN-12-30-A-P-A
536210	12	40	M5	ADN-12-40-A-P-A
536219	16	5	M5	ADN-16-5-A-P-A
536220	16	10	M5	ADN-16-10-A-P-A
536221	16	15	M5	ADN-16-15-A-P-A
536222	16	20	M5	ADN-16-20-A-P-A
536223	16	25	M5	ADN-16-25-A-P-A
536224	16	30	M5	ADN-16-30-A-P-A
536225	16	40	M5	ADN-16-40-A-P-A
536331	16	50	M5	ADN-16-50-A-P-A
536234	20	5	M8	ADN-20-5-A-P-A
536235	20	10	M8	ADN-20-10-A-P-A
536236	20	15	M8	ADN-20-15-A-P-A
536237	20	20	M8	ADN-20-20-A-P-A
536238	20	25	M8	ADN-20-25-A-P-A
536239	20	30	M8	ADN-20-30-A-P-A
536240	20	40	M8	ADN-20-40-A-P-A
536241	20	50	M8	ADN-20-50-A-P-A
536352	20	60	M8	ADN-20-60-A-P-A
536251	25	5	M8	ADN-25-5-A-P-A
536252	25	10	M8	ADN-25-10-A-P-A
536253	25	15	M8	ADN-25-15-A-P-A
536254	25	20	M8	ADN-25-20-A-P-A
536255	25	25	M8	ADN-25-25-A-P-A
536256	25	30	M8	ADN-25-30-A-P-A
536257	25	40	M8	ADN-25-40-A-P-A
536258	25	50	M8	ADN-25-50-A-P-A
536373	25	60	M8	ADN-25-60-A-P-A

Tech Sheet 20563

Magnetic Female Piston Rod Thread

0009	Piston Diameter mm	Stroke mm	Piston Rod Thread	Manufacturer's Code
536211	12	5	M3	ADN-12-5-I-P-A
536212	12	10	M3	ADN-12-10-I-P-A
536213	12	15	M3	ADN-12-15-I-P-A
536214	12	20	M3	ADN-12-20-I-P-A
536215	12	25	M3	ADN-12-25-I-P-A
536216	12	30	M3	ADN-12-30-I-P-A
536217	12	40	M3	ADN-12-40-I-P-A
536226	16	5	M4	ADN-16-5-I-P-A
536227	16	10	M4	ADN-16-10-I-P-A
536228	16	15	M4	ADN-16-15-I-P-A
536229	16	20	M4	ADN-16-20-I-P-A
536230	16	25	M4	ADN-16-25-I-P-A
536231	16	30	M4	ADN-16-30-I-P-A
536232	16	40	M4	ADN-16-40-I-P-A
536341	16	50	M4	ADN-16-50-I-P-A
536242	20	5	M6	ADN-20-5-I-P-A
536243	20	10	M6	ADN-20-10-I-P-A
536244	20	15	M6	ADN-20-15-I-P-A
536245	20	20	M6	ADN-20-20-I-P-A
536246	20	25	M6	ADN-20-25-I-P-A
536247	20	30	M6	ADN-20-30-I-P-A
536248	20	40	M6	ADN-20-40-I-P-A
536249	20	50	M6	ADN-20-50-I-P-A
536362	20	60	M6	ADN-20-60-I-P-A
536259	25	5	M6	ADN-25-5-I-P-A
536260	25	10	M6	ADN-25-10-I-P-A
536261	25	15	M6	ADN-25-15-I-P-A
536262	25	20	M6	ADN-25-20-I-P-A
536263	25	25	M6	ADN-25-25-I-P-A
536264	25	30	M6	ADN-25-30-I-P-A
536265	25	40	M6	ADN-25-40-I-P-A
536266	25	50	M6	ADN-25-50-I-P-A
536383	25	60	M6	ADN-25-60-I-P-A

Tech Sheet 20562

ISO 21287 COMPACT CYLINDERS, ADN

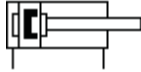
FESTO


Double Acting, Elastic Cushioning Rings

- Compact cylinders with standard dimensions
- Comply with the standard ISO 21287
- Innovative technology for maximum speeds
- Flexible in use thanks to easy-to-configure variant
- T-Slot

Ambient Temperature:
 -20°C to +80°C

Elastic Cushioning



Magnetic Male Piston Rod Thread

0009	Piston Diameter mm	Stroke mm	Piston Rod Thread	Manufacturer's Code
536268	32	5	M10 x 1.25	ADN-32-5-A-P-A
536269	32	10	M10 x 1.25	ADN-32-10-A-P-A
536270	32	15	M10 x 1.25	ADN-32-15-A-P-A
536271	32	20	M10 x 1.25	ADN-32-20-A-P-A
536272	32	25	M10 x 1.25	ADN-32-25-A-P-A
536273	32	30	M10 x 1.25	ADN-32-30-A-P-A
536274	32	40	M10 x 1.25	ADN-32-40-A-P-A
536275	32	50	M10 x 1.25	ADN-32-50-A-P-A
536276	32	60	M10 x 1.25	ADN-32-60-A-P-A
536277	32	80	M10 x 1.25	ADN-32-80-A-P-A
536289	40	5	M10 x 1.25	ADN-40-5-A-P-A
536290	40	10	M10 x 1.25	ADN-40-10-A-P-A
536291	40	15	M10 x 1.25	ADN-40-15-A-P-A
536292	40	20	M10 x 1.25	ADN-40-20-A-P-A
536293	40	25	M10 x 1.25	ADN-40-25-A-P-A
536294	40	30	M10 x 1.25	ADN-40-30-A-P-A
536295	40	40	M10 x 1.25	ADN-40-40-A-P-A
536296	40	50	M10 x 1.25	ADN-40-50-A-P-A
536297	40	60	M10 x 1.25	ADN-40-60-A-P-A
536298	40	80	M10 x 1.25	ADN-40-80-A-P-A
536310	50	5	M12 x 1.25	ADN-50-5-A-P-A
536311	50	10	M12 x 1.25	ADN-50-10-A-P-A
536312	50	15	M12 x 1.25	ADN-50-15-A-P-A
536313	50	20	M12 x 1.25	ADN-50-20-A-P-A
536314	50	25	M12 x 1.25	ADN-50-25-A-P-A
536315	50	30	M12 x 1.25	ADN-50-30-A-P-A
536316	50	40	M12 x 1.25	ADN-50-40-A-P-A
536317	50	50	M12 x 1.25	ADN-50-50-A-P-A
536318	50	60	M12 x 1.25	ADN-50-60-A-P-A
536319	50	80	M12 x 1.25	ADN-50-80-A-P-A
536332	63	10	M12 x 1.25	ADN-63-10-A-P-A
536333	63	15	M12 x 1.25	ADN-63-15-A-P-A
536334	63	20	M12 x 1.25	ADN-63-20-A-P-A
536335	63	25	M12 x 1.25	ADN-63-25-A-P-A
536336	63	30	M12 x 1.25	ADN-63-30-A-P-A
536337	63	40	M12 x 1.25	ADN-63-40-A-P-A
536338	63	50	M12 x 1.25	ADN-63-50-A-P-A
536339	63	60	M12 x 1.25	ADN-63-60-A-P-A
536340	63	80	M12 x 1.25	ADN-63-80-A-P-A
536353	80	10	M16 x 1.5	ADN-80-10-A-P-A
536354	80	15	M16 x 1.5	ADN-80-15-A-P-A
536355	80	20	M16 x 1.5	ADN-80-20-A-P-A
536356	80	25	M16 x 1.5	ADN-80-25-A-P-A
536357	80	30	M16 x 1.5	ADN-80-30-A-P-A
536358	80	40	M16 x 1.5	ADN-80-40-A-P-A
536359	80	50	M16 x 1.5	ADN-80-50-A-P-A
536360	80	60	M16 x 1.5	ADN-80-60-A-P-A
536361	80	80	M16 x 1.5	ADN-80-80-A-P-A

Tech Sheet 71595

Magnetic Female Piston Rod Thread

0009	Piston Diameter mm	Stroke mm	Piston Rod Thread	Manufacturer's Code
536278	32	5	M8	ADN-32-5-I-P-A
536279	32	10	M8	ADN-32-10-I-P-A
536280	32	15	M8	ADN-32-15-I-P-A
536281	32	20	M8	ADN-32-20-I-P-A
536282	32	25	M8	ADN-32-25-I-P-A
536283	32	30	M8	ADN-32-30-I-P-A
536284	32	40	M8	ADN-32-40-I-P-A
536285	32	50	M8	ADN-32-50-I-P-A
536286	32	60	M8	ADN-32-60-I-P-A
536287	32	80	M8	ADN-32-80-I-P-A
536299	40	5	M8	ADN-40-5-I-P-A
536300	40	10	M8	ADN-40-10-I-P-A
536301	40	15	M8	ADN-40-15-I-P-A
536302	40	20	M8	ADN-40-20-I-P-A
536303	40	25	M8	ADN-40-25-I-P-A
536304	40	30	M8	ADN-40-30-I-P-A
536305	40	40	M8	ADN-40-40-I-P-A
536306	40	50	M8	ADN-40-50-I-P-A
536307	40	60	M8	ADN-40-60-I-P-A
536308	40	80	M8	ADN-40-80-I-P-A
536320	50	5	M10	ADN-50-5-I-P-A
536321	50	10	M10	ADN-50-10-I-P-A
536322	50	15	M10	ADN-50-15-I-P-A
536323	50	20	M10	ADN-50-20-I-P-A
536324	50	25	M10	ADN-50-25-I-P-A
536325	50	30	M10	ADN-50-30-I-P-A
536326	50	40	M10	ADN-50-40-I-P-A
536327	50	50	M10	ADN-50-50-I-P-A
536328	50	60	M10	ADN-50-60-I-P-A
536329	50	80	M10	ADN-50-80-I-P-A
536342	63	10	M10	ADN-63-10-I-P-A
536343	63	15	M10	ADN-63-15-I-P-A
536344	63	20	M10	ADN-63-20-I-P-A
536345	63	25	M10	ADN-63-25-I-P-A
536346	63	30	M10	ADN-63-30-I-P-A
536347	63	40	M10	ADN-63-40-I-P-A
536348	63	50	M10	ADN-63-50-I-P-A
536349	63	60	M10	ADN-63-60-I-P-A
536350	63	80	M10	ADN-63-80-I-P-A
536363	80	10	M12	ADN-80-10-I-P-A
536364	80	15	M12	ADN-80-15-I-P-A
536365	80	20	M12	ADN-80-20-I-P-A
536366	80	25	M12	ADN-80-25-I-P-A
536367	80	30	M12	ADN-80-30-I-P-A
536368	80	40	M12	ADN-80-40-I-P-A
536369	80	50	M12	ADN-80-50-I-P-A
536370	80	60	M12	ADN-80-60-I-P-A
536371	80	80	M12	ADN-80-80-I-P-A

Tech Sheet 71596

ISO 21287 COMPACT CYLINDERS, ADN

FESTO



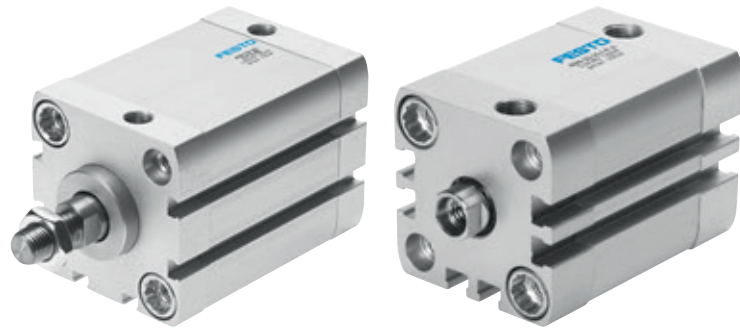
Double Acting, Self-adjusting Pneumatic Cushioning

- Compact cylinders with standard dimensions
- Comply with the standard ISO 21287
- Innovative technology for maximum speeds
- Flexible in use thanks to easy-to-configure variant
- Profile slot for proximity senso
- T-Slot

° Ambient Temperature:
-20°C to +80°C

Working Pressure:
1 to 10 bar

Self-adjusting Cushioning



Magnetic Male Piston Rod Thread

0009	Piston Diameter mm	Stroke mm	Piston Rod Thread	Manufacturer's Code
572655	32	10	M10 x 1.25	ADN-32-10-A-PPS-A
572656	32	15	M10 x 1.25	ADN-32-15-A-PPS-A
572657	32	20	M10 x 1.25	ADN-32-20-A-PPS-A
572658	32	25	M10 x 1.25	ADN-32-25-A-PPS-A
572659	32	30	M10 x 1.25	ADN-32-30-A-PPS-A
572660	32	40	M10 x 1.25	ADN-32-40-A-PPS-A
572661	32	50	M10 x 1.25	ADN-32-50-A-PPS-A
572662	32	60	M10 x 1.25	ADN-32-60-A-PPS-A
572663	32	80	M10 x 1.25	ADN-32-80-A-PPS-A
572673	40	10	M10 x 1.25	ADN-40-10-A-PPS-A
572674	40	15	M10 x 1.25	ADN-40-15-A-PPS-A
572675	40	20	M10 x 1.25	ADN-40-20-A-PPS-A
572676	40	25	M10 x 1.25	ADN-40-25-A-PPS-A
572677	40	30	M10 x 1.25	ADN-40-30-A-PPS-A
572678	40	40	M10 x 1.25	ADN-40-40-A-PPS-A
572679	40	50	M10 x 1.25	ADN-40-50-A-PPS-A
572680	40	60	M10 x 1.25	ADN-40-60-A-PPS-A
572681	40	80	M10 x 1.25	ADN-40-80-A-PPS-A
572691	50	10	M12 x 1.25	ADN-50-10-A-PPS-A
572692	50	15	M12 x 1.25	ADN-50-15-A-PPS-A
572693	50	20	M12 x 1.25	ADN-50-20-A-PPS-A
572694	50	25	M12 x 1.25	ADN-50-25-A-PPS-A
572695	50	30	M12 x 1.25	ADN-50-30-A-PPS-A
572696	50	40	M12 x 1.25	ADN-50-40-A-PPS-A
572697	50	50	M12 x 1.25	ADN-50-50-A-PPS-A
572698	50	60	M12 x 1.25	ADN-50-60-A-PPS-A
572699	50	80	M12 x 1.25	ADN-50-80-A-PPS-A
572709	63	10	M12 x 1.25	ADN-63-10-A-PPS-A
572710	63	15	M12 x 1.25	ADN-63-15-A-PPS-A
572711	63	20	M12 x 1.25	ADN-63-20-A-PPS-A
572712	63	25	M12 x 1.25	ADN-63-25-A-PPS-A
572713	63	30	M12 x 1.25	ADN-63-30-A-PPS-A
572714	63	40	M12 x 1.25	ADN-63-40-A-PPS-A
572715	63	50	M12 x 1.25	ADN-63-50-A-PPS-A
572716	63	60	M12 x 1.25	ADN-63-60-A-PPS-A
572717	63	80	M12 x 1.25	ADN-63-80-A-PPS-A
572727	80	10	M16 x 1.5	ADN-80-10-A-PPS-A
572728	80	15	M16 x 1.5	ADN-80-15-A-PPS-A
572729	80	20	M16 x 1.5	ADN-80-20-A-PPS-A
572730	80	25	M16 x 1.5	ADN-80-25-A-PPS-A
572731	80	30	M16 x 1.5	ADN-80-30-A-PPS-A
572732	80	40	M16 x 1.5	ADN-80-40-A-PPS-A
572733	80	50	M16 x 1.5	ADN-80-50-A-PPS-A
572734	80	60	M16 x 1.5	ADN-80-60-A-PPS-A
572735	80	80	M16 x 1.5	ADN-80-80-A-PPS-A

Tech Sheet 71597

Magnetic Female Piston Rod Thread

0009	Piston Diameter mm	Stroke mm	Piston Rod Thread	Manufacturer's Code
572646	32	10	M8	ADN-32-10-I-PPS-A
572647	32	15	M8	ADN-32-15-I-PPS-A
572648	32	20	M8	ADN-32-20-I-PPS-A
572649	32	25	M8	ADN-32-25-I-PPS-A
572650	32	30	M8	ADN-32-30-I-PPS-A
572651	32	40	M8	ADN-32-40-I-PPS-A
572652	32	50	M8	ADN-32-50-I-PPS-A
572653-FESTO	32	60	M8	ADN-32-60-I-PPS-A
572654	32	80	M8	ADN-32-80-I-PPS-A
572664	40	10	M8	ADN-40-10-I-PPS-A
572665	40	15	M8	ADN-40-15-I-PPS-A
572666	40	20	M8	ADN-40-20-I-PPS-A
572667	40	25	M8	ADN-40-25-I-PPS-A
572668	40	30	M8	ADN-40-30-I-PPS-A
572669	40	40	M8	ADN-40-40-I-PPS-A
572670	40	50	M8	ADN-40-50-I-PPS-A
572671	40	60	M8	ADN-40-60-I-PPS-A
572672	40	80	M8	ADN-40-80-I-PPS-A
572682	50	10	M10	ADN-50-10-I-PPS-A
572683	50	15	M10	ADN-50-15-I-PPS-A
572684	50	20	M10	ADN-50-20-I-PPS-A
572685	50	25	M10	ADN-50-25-I-PPS-A
572686	50	30	M10	ADN-50-30-I-PPS-A
572687	50	40	M10	ADN-50-40-I-PPS-A
572688	50	50	M10	ADN-50-50-I-PPS-A
572689	50	60	M10	ADN-50-60-I-PPS-A
572690	50	80	M10	ADN-50-80-I-PPS-A
572700	63	10	M10	ADN-63-10-I-PPS-A
572701	63	15	M10	ADN-63-15-I-PPS-A
572702	63	20	M10	ADN-63-20-I-PPS-A
572703	63	25	M10	ADN-63-25-I-PPS-A
572704	63	30	M10	ADN-63-30-I-PPS-A
572705	63	40	M10	ADN-63-40-I-PPS-A
572706	63	50	M10	ADN-63-50-I-PPS-A
572707	63	60	M10	ADN-63-60-I-PPS-A
572708	63	80	M10	ADN-63-80-I-PPS-A
572718	80	10	M12	ADN-80-10-I-PPS-A
572719	80	15	M12	ADN-80-15-I-PPS-A
572720	80	20	M12	ADN-80-20-I-PPS-A
572721	80	25	M12	ADN-80-25-I-PPS-A
572722	80	30	M12	ADN-80-30-I-PPS-A
572723	80	40	M12	ADN-80-40-I-PPS-A
572724	80	50	M12	ADN-80-50-I-PPS-A
572725	80	60	M12	ADN-80-60-I-PPS-A
572726	80	80	M12	ADN-80-80-I-PPS-A

Tech Sheet 71598

PROXIMITY SENSORS

FESTO

For T-Slot For DSBC/ADN/DSNU Cylinders

- Switching output via reed contact or non-contacting
- Insertable in the slot from above, does not protrude beyond the cylinder profil
- Variant suitable for use with energy chains and robots
- Cable clip and inscription labels included in the scope of delivery
- With switching status indication
- Selected types in accordance with ATEX directive for potentially explosive atmospheres

 **Ambient Temperature:**
-40°C to +70°C



With Reed Contacts

0010	Function	Connection	Cable Length Metres	Manufacturer's Code
543872	N/O Contact, 2 Wire	Open End	2.5	SME-8M-ZS-24V-K-2,5-OE
543861	N/O Contact, 3 Wire	M8 Thread Rotatable	0.3	SME-8M-DS-24V-K-0,3-M8D
543862	N/O Contact, 3 Wire	Open End	2.5	SME-8M-DS-24V-K-2,5-OE
543863	N/O Contact, 3 Wire	Open End	5.0	SME-8M-DS-24V-K-5,0-OE
546799	N/C Contact, 3 Wire	Open End	7.5	SME-8M-DO-24V-K-7,5-OE

Tech Sheet 70211

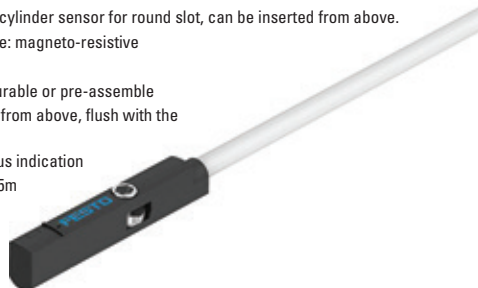
Non-contacting

0009	Function	Connection	Cable Length Metres	Manufacturer's Code
574334	PNP N/O Contact, 3 Wire	M8 Thread Rotatable	0.3	SMT-8M-A-PS-24V-E-0,3-M8D
574337	PNP N/O Contact, 3 Wire	M12 Thread Rotatable	0.3	SMT-8M-A-PS-24V-E-0,3-M12
574339	NPN N/O Contact, 3 Wire	M8 Thread Rotatable	0.3	SMT-8M-A-NS-24V-E-0,3-M8D
574335	PNP N/O Contact, 3 Wire	Open End	2.5	SMT-8M-A-PS-24V-E-2,5-OE
574338	NPN N/O Contact, 3 Wire	Open End	2.5	SMT-8M-A-NS-24V-E-2,5-OE
574341	PNP N/O Contact, 2 Wire	Open End	5.0	SMT-8M-A-ZS-24V-E-5,0-OE-EX2
574336	PNP N/O Contact, 3 Wire	Open End	5.0	SMT-8M-A-PS-24V-E-5,0-OE
574340	PNP N/C Contact, 3 Wire	Open End	7.5	SMT-8M-A-PO-24V-E-7,5-OE

Tech Sheet 70212

For C-Slot For ADN/ADVC/DFM

- Magneto-resistive cylinder sensor for round slot, can be inserted from above.
- Measuring principle: magneto-resistive
- For universal use
- Individually configurable or pre-assemble
- Inserted in the slot from above, flush with the cylinder profil
- LED switching status indication
- Cable length 0.3, 2.5m




Proximity Sensors SMT-10M, for C-Slot

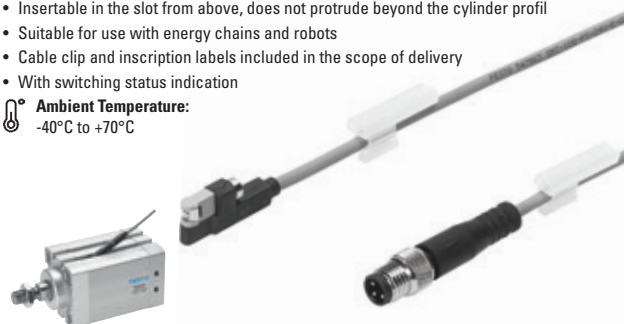
0009	N/O Contact	Cable Length (m)	Type
551373	PNP	2.5	SMT-10M-PS-24V-E-2,5-L-OE
551375	PNP	0.3	SMT-10M-PS-24V-E-0,3-L-M8D
551377	NPN	2.5	SMT-10M-NS-24V-E-2,5-L-OE
551379	NPN	0.3	SMT-10M-NS-24V-E-0,3-L-M8D
551382	Non-contacting, 2-wire	2.5	SMT-10M-ZS-24V-E-2,5-L-OE

Tech Sheet 70212

For C-Slot For ADN/ADVC/DFM

- Switching output via reed contact or non-contacting
- Insertable in the slot from above, does not protrude beyond the cylinder profil
- Suitable for use with energy chains and robots
- Cable clip and inscription labels included in the scope of delivery
- With switching status indication

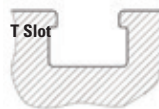
 **Ambient Temperature:**
-40°C to +70°C



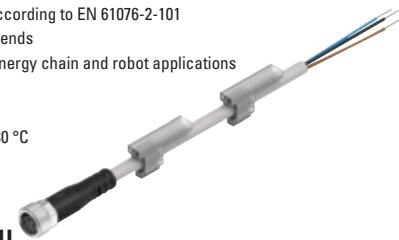
With Reed Contacts

0010	Function	Connection	Cable Length Metres	Manufacturer's Code
551367	N/O Contact, 3 Wire	M8 Thread Rotatable	0.3	SME-10M-DS-24V-E-0,3-L-M8D
551369	N/O Contact, 2 Wire	Open End	2.5	SME-10M-ZS-24V-E-2,5-L-OE
551365	N/O Contact, 3 Wire	Open End	2.5	SME-10M-DS-24V-E-2,5-L-OE

Tech Sheet 70213



- Modular cable system with unlimited combination options for sockets, cable lengths and cable qualities. Matches all devices with M8 and M12 plugs such as proximity switches, pressure switches, sensors, transmitters, flow sensors and others
- For thread M8 x 1 A-coded according to EN 61076-2-104
- For thread M12 x 1 A-coded according to EN 61076-2-101
- Pre-assembled at one or both ends
- Designs for static, standard, energy chain and robot applications
- Cable length 0.1 - 30m
- With PVC or PUR cable
- Ambient temperature -25 to +80 °C



Connecting Cable NEBU

0009	Number of wires	Cable Length (m)	Type
541333	3	2.5	NEBU-M8G3-K-2,5-LE3
541334	3	5	NEBU-M8G3-K-5-LE3
541338	3	2.5	NEBU-M8W3-K-2,5-LE3
541341	3	5	NEBU-M8W3-K-5-LE3

Tech Sheet 70212

CYLINDERS

For the full range and more information, please contact one of our sales team.

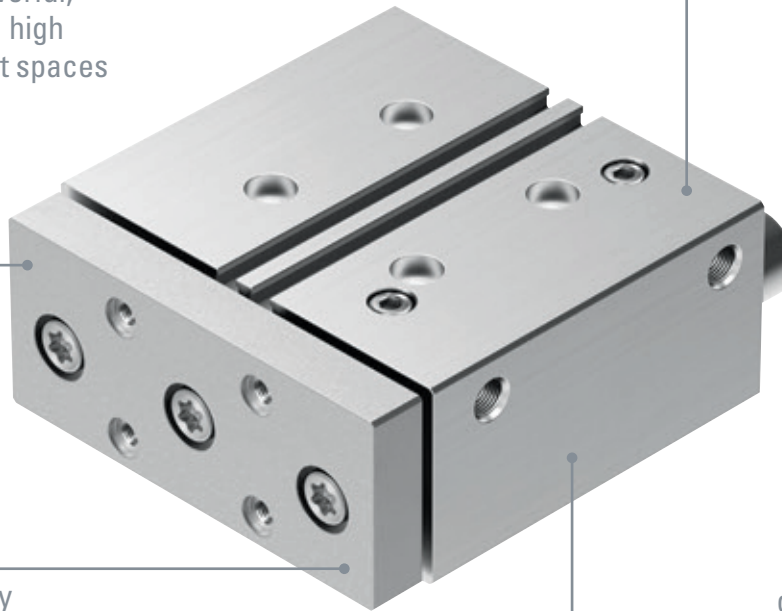
DFM GUIDED DRIVES



Features

Compact and powerful, can reliably move high loads even in tight spaces

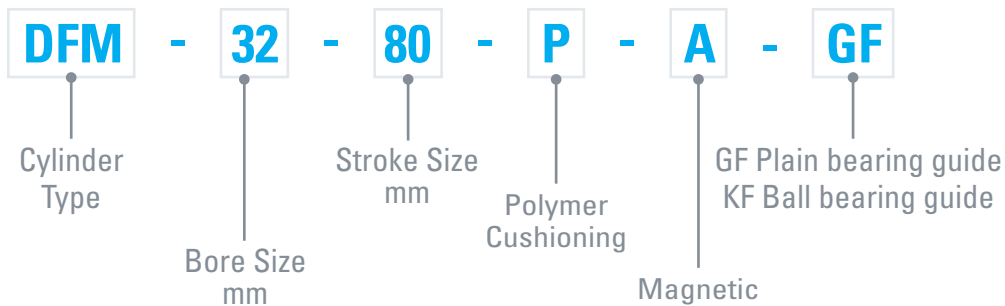
Plain or recirculating ball bearing guide



Choice of assembly and air port options for every application

Reliable and sturdy due to superior guide characteristics

Product Description



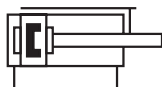
DFM GUIDED DRIVES



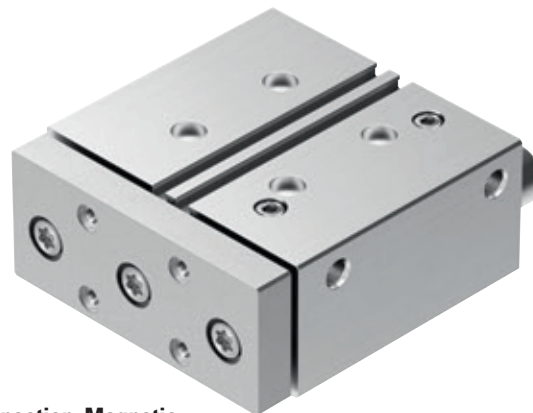
Sliding Guided Drives with Plain Bearing, Double Acting

- Drive and guide unit in a single housing
- Sturdy and precise
- Plain bearing guide
- High resistance to torques and lateral forces
- Wide range of applications
- Selected types in accordance with ATEX directive for potentially explosive atmospheres
- Sensor C Slot SMT 10G
- C Slot 6 to 10 bore
- T Slot 12 to 63 bore

Ambient Temperature:
-20°C to +80°C



Working Pressure:
2 to 8 bar (Piston: 6mm)
1.5 to 8 bar (Piston: 10mm)
2 to 10 bar (Piston: 12, 16, 20mm)
1.5 to 10 bar (Piston: 25, 32, 40mm)
1 to 10 bar (Piston: 50, 63mm)



M3 Connection, Magnetic

0009	Cylinder Bore mm	Cylinder Stroke Length mm	Manufacturer's Code
4149944	6	5	DFM-6-5-P-A-GF
4149945	6	10	DFM-6-10-P-A-GF
4149946	6	15	DFM-6-15-P-A-GF
4149947	6	20	DFM-6-20-P-A-GF
4154768	10	5	DFM-10-5-P-A-GF
4154769	10	10	DFM-10-10-P-A-GF
4154770	10	15	DFM-10-15-P-A-GF
4154799	10	20	DFM-10-20-P-A-GF

Tech Sheet 70196

M5 Connection, Magnetic Sensors T Slot SMT-8M

0009	Cylinder Bore mm	Cylinder Stroke Length mm	Manufacturer's Code
170824	12	10	DFM-12-10-P-A-GF
170825	12	20	DFM-12-20-P-A-GF
170826	12	25	DFM-12-25-P-A-GF
170827	12	30	DFM-12-30-P-A-GF
170828	12	40	DFM-12-40-P-A-GF
170829	12	50	DFM-12-50-P-A-GF
170830	12	80	DFM-12-80-P-A-GF
170831	12	100	DFM-12-100-P-A-GF
170832	16	10	DFM-16-10-P-A-GF
170833	16	20	DFM-16-20-P-A-GF
170834	16	25	DFM-16-25-P-A-GF
170835	16	30	DFM-16-30-P-A-GF
170836	16	40	DFM-16-40-P-A-GF
170837	16	50	DFM-16-50-P-A-GF
170838	16	80	DFM-16-80-P-A-GF
170839	16	100	DFM-16-100-P-A-GF
170840	20	20	DFM-20-20-P-A-GF
170841	20	25	DFM-20-25-P-A-GF
170842	20	30	DFM-20-30-P-A-GF
170843	20	40	DFM-20-40-P-A-GF
170844	20	50	DFM-20-50-P-A-GF
170845	20	80	DFM-20-80-P-A-GF
170846	20	100	DFM-20-100-P-A-GF

Tech Sheet 70197

T Slot



C Slot



G1/8 Connection, Magnetic

0009	Cylinder Bore mm	Cylinder Stroke Length mm	Manufacturer's Code
170847	25	20	DFM-25-20-P-A-GF
170848	25	25	DFM-25-25-P-A-GF
170849	25	30	DFM-25-30-P-A-GF
170850	25	40	DFM-25-40-P-A-GF
170851	25	50	DFM-25-50-P-A-GF
170852	25	80	DFM-25-80-P-A-GF
170853	25	100	DFM-25-100-P-A-GF
170854	32	20	DFM-32-20-P-A-GF
170855	32	25	DFM-32-25-P-A-GF
170856	32	30	DFM-32-30-P-A-GF
170857	32	40	DFM-32-40-P-A-GF
170858	32	50	DFM-32-50-P-A-GF
170859	32	80	DFM-32-80-P-A-GF
170860	32	100	DFM-32-100-P-A-GF
170861	32	125	DFM-32-125-P-A-GF
170862	32	160	DFM-32-160-P-A-GF
170863	32	200	DFM-32-200-P-A-GF
170864	40	25	DFM-40-25-P-A-GF
170865	40	50	DFM-40-50-P-A-GF
170866	40	80	DFM-40-80-P-A-GF
170867	40	100	DFM-40-100-P-A-GF
170868	40	125	DFM-40-125-P-A-GF
170869	40	160	DFM-40-160-P-A-GF
170870	40	200	DFM-40-200-P-A-GF

Tech Sheet 70198

G1/4 Connection, Magnetic

0009	Cylinder Bore mm	Cylinder Stroke Length mm	Manufacturer's Code
170871	50	25	DFM-50-25-P-A-GF
170872	50	50	DFM-50-50-P-A-GF
170873	50	80	DFM-50-80-P-A-GF
170874	50	100	DFM-50-100-P-A-GF
170875	50	125	DFM-50-125-P-A-GF
170876	50	160	DFM-50-160-P-A-GF
170877	50	200	DFM-50-200-P-A-GF
170878	63	25	DFM-63-25-P-A-GF
170879	63	50	DFM-63-50-P-A-GF
170880	63	80	DFM-63-80-P-A-GF
170881	63	100	DFM-63-100-P-A-GF
170882	63	125	DFM-63-125-P-A-GF
170883	63	160	DFM-63-160-P-A-GF
170884	63	200	DFM-63-200-P-A-GF

Tech Sheet 70199

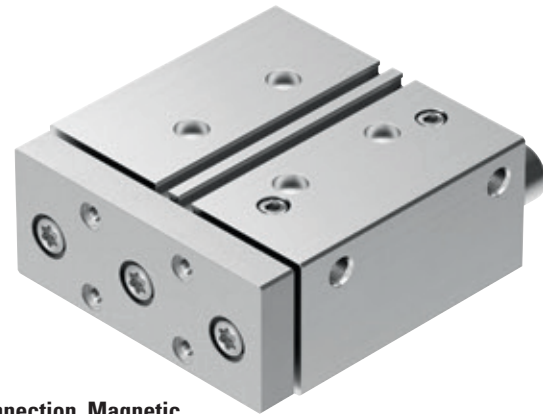
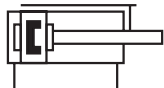


Recirculating Ball Bearing Guided Drives, Double Acting

- Drive and guide unit in a single housing
- Sturdy and precise
- Plain or Recirculating ball bearing guide
- High resistance to torques and lateral forces
- Wide range of applications
- Selected types in accordance with ATEX directive for potentially explosive atmospheres
- C Slot 6 to 10 bore
- T Slot 12 to 63 bore

Ambient Temperature:
-20°C to +80°C

Working Pressure:
2 to 10 bar (Piston: 12, 16, 20mm)
1.5 to 10 bar (Piston: 25, 32, 40mm)
1 to 10 bar (Piston: 50, 63mm)



M5 Connection, Magnetic

0009	Cylinder Bore mm	Cylinder Stroke Length mm	Manufacturer's Code
170899	12	10	DFM-12-10-P-A-KF
170900	12	20	DFM-12-20-P-A-KF
170901	12	25	DFM-12-25-P-A-KF
170902	12	30	DFM-12-30-P-A-KF
170903	12	40	DFM-12-40-P-A-KF
170904	12	50	DFM-12-50-P-A-KF
170905	12	80	DFM-12-80-P-A-KF
170906	12	100	DFM-12-100-P-A-KF
170907	16	10	DFM-16-10-P-A-KF
170908	16	20	DFM-16-20-P-A-KF
170909	16	25	DFM-16-25-P-A-KF
170910	16	30	DFM-16-30-P-A-KF
170911	16	40	DFM-16-40-P-A-KF
170912	16	50	DFM-16-50-P-A-KF
170913	16	80	DFM-16-80-P-A-KF
170914	16	100	DFM-16-100-P-A-KF
170915	20	20	DFM-20-20-P-A-KF
170916	20	25	DFM-20-25-P-A-KF
170917	20	30	DFM-20-30-P-A-KF
170918	20	40	DFM-20-40-P-A-KF
170919	20	50	DFM-20-50-P-A-KF
170920	20	80	DFM-20-80-P-A-KF
170921	20	100	DFM-20-100-P-A-KF

Tech Sheet 70200

T Slot



C Slot



G1/8 Connection, Magnetic

0009	Cylinder Bore mm	Cylinder Stroke Length mm	Manufacturer's Code
170922	25	20	DFM-25-20-P-A-KF
170923	25	25	DFM-25-25-P-A-KF
170924	25	30	DFM-25-30-P-A-KF
170925	25	40	DFM-25-40-P-A-KF
170926	25	50	DFM-25-50-P-A-KF
170927	25	80	DFM-25-80-P-A-KF
170928	25	100	DFM-25-100-P-A-KF
170929	32	20	DFM-32-20-P-A-KF
170930	32	25	DFM-32-25-P-A-KF
170931	32	30	DFM-32-30-P-A-KF
170932	32	40	DFM-32-40-P-A-KF
170933	32	50	DFM-32-50-P-A-KF
170934	32	80	DFM-32-80-P-A-KF
170935	32	100	DFM-32-100-P-A-KF
170936	32	125	DFM-32-125-P-A-KF
170937	32	160	DFM-32-160-P-A-KF
170938	32	200	DFM-32-200-P-A-KF
170939	40	25	DFM-40-25-P-A-KF
170940	40	50	DFM-40-50-P-A-KF
170941	40	80	DFM-40-80-P-A-KF
170942	40	100	DFM-40-100-P-A-KF
170943	40	125	DFM-40-125-P-A-KF
170944	40	160	DFM-40-160-P-A-KF
170945	40	200	DFM-40-200-P-A-KF

Tech Sheet 70201

G1/4 Connection, Magnetic

0009	Cylinder Bore mm	Cylinder Stroke Length mm	Manufacturer's Code
170946	50	25	DFM-50-25-P-A-KF
170947	50	50	DFM-50-50-P-A-KF
170948	50	80	DFM-50-80-P-A-KF
170949	50	100	DFM-50-100-P-A-KF
170950	50	125	DFM-50-125-P-A-KF
170951	50	160	DFM-50-160-P-A-KF
170952	50	200	DFM-50-200-P-A-KF
170953	63	25	DFM-63-25-P-A-KF
170954	63	50	DFM-63-50-P-A-KF
170955	63	80	DFM-63-80-P-A-KF
170956	63	100	DFM-63-100-P-A-KF
170957	63	125	DFM-63-125-P-A-KF
170958	63	160	DFM-63-160-P-A-KF
170959	63	200	DFM-63-200-P-A-KF

Tech Sheet 70202

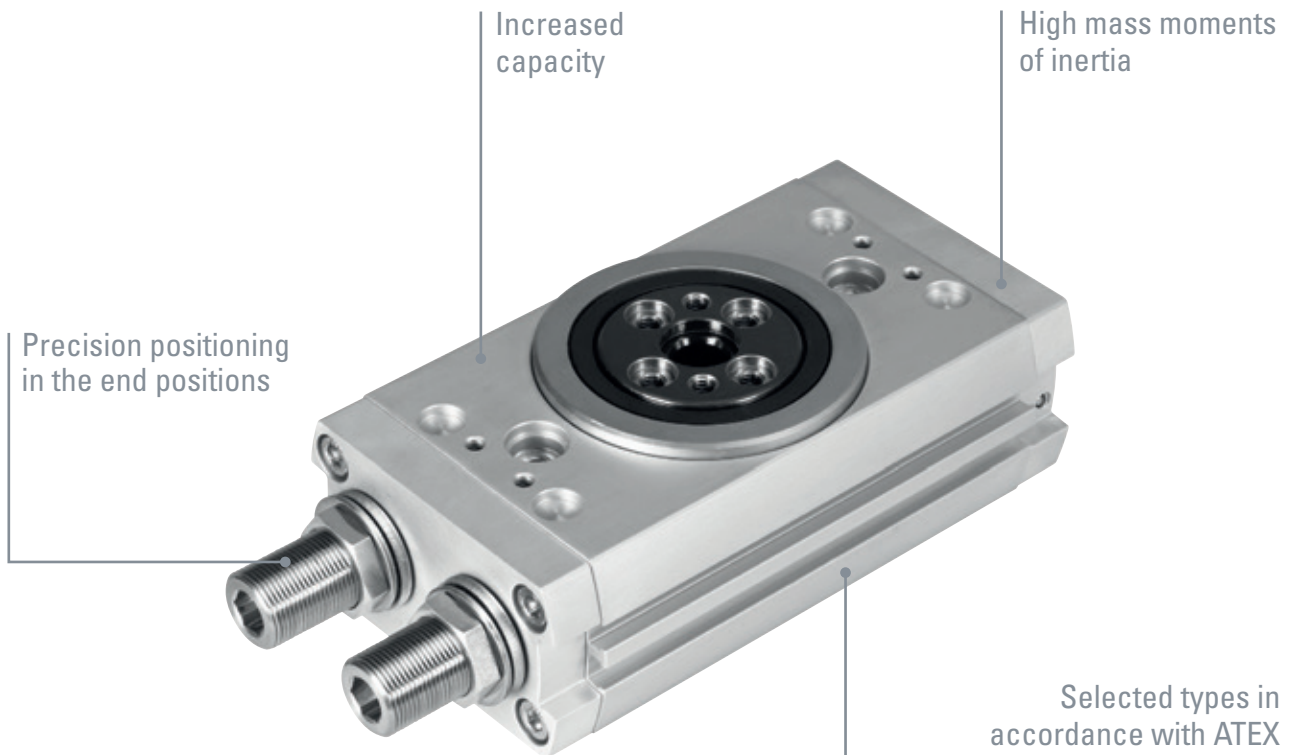
CYLINDERS

For the full range and more information, please contact one of our sales team.

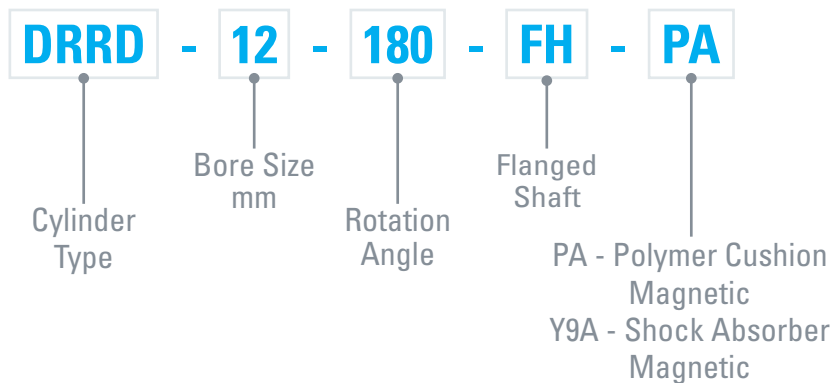
DRRD SEMI-ROTARY DRIVE



Features



Product Description



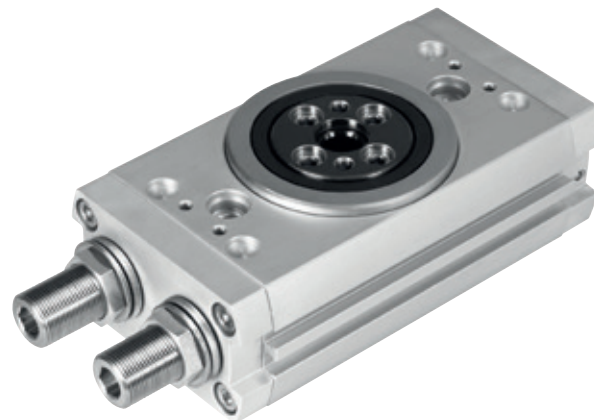
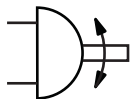


Rack & Pinion

- Modern and compact design
- Lighter than other semi-rotary drives
- Housing protected against splash water and dust
- Selected types in accordance with ATEX directive for potentially explosive atmospheres
- T-Slot 8M

Ambient Temperature:
-10°C to +60°C

Working Pressure:
3 to 8 bar



Elastic Cushioning Rings, M5 Connection

0009	Size mm	Manufacturer's Code
1577238	16	DRRD-16-180-FH-PA
1395606	20	DRRD-20-180-FH-PA
1359980	25	DRRD-25-180-FH-PA

Tech Sheet 70205

Elastic Cushioning Rings, G1/8 Connection

0009	Size mm	Manufacturer's Code
1578512	32	DRRD-32-180-FH-PA
1526825	35	DRRD-35-180-FH-PA
1503269	40	DRRD-40-180-FH-PA

Tech Sheet 70206

Self-adjusting Linear Shock Absorber, M5 Connection

0009	Size mm	Manufacturer's Code
1644389	16	DRRD-16-180-FH-Y9A
1427379	20	DRRD-20-180-FH-Y9A
1360248	25	DRRD-25-180-FH-Y9A

Tech Sheet 70207

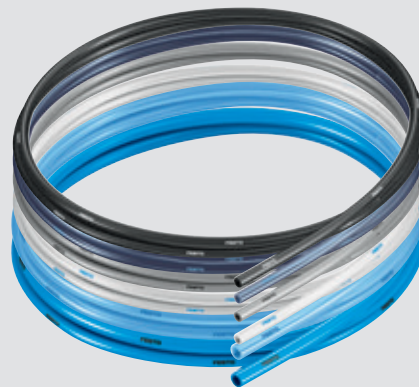
Self-adjusting Linear Shock Absorber, G1/8 Connection

0009	Size mm	Manufacturer's Code
1578518	32	DRRD-32-180-FH-Y9A
1547102	35	DRRD-35-180-FH-Y9A
1526986	40	DRRD-40-180-FH-Y9A

Tech Sheet 70208



For **FESTO** pneumatic tubing
see pages **911-912**



ISO 21287 CYLINDERS

Compact Series Liner

Compact cylinder to ISO 21287, LINER series, available in different versions to meet all possible requirements. Below sizes listed are most popular, if you require an alternative size please contact the sales office

The heads have been eliminated for ease of installation, improved sturdiness and precision. The metal lining is designed to withstand heavy-duty work, tensile stress and impact. Technopolymer parts can withstand dynamic and pneumatic thrust. The lining virtually acts as a "bearing" to which most of user accessories are attached. The wide range of anchors provide numerous fixing points. Retractable magnetic limit switches can be mounted to identify the position in the cylinder grooves.



Double Acting, Male Piston Rod

9146	Bore mm	Stroke mm
2800200005XP	20	5
2800200010XP	20	10
2800200015XP	20	15
2800200020XP	20	20
2800200025XP	20	25
2800200040XP	20	40
2800200050XP	20	50
2800250005XP	25	5
2800250010XP	25	10
2800250015XP	25	15
2800250020XP	25	20
2800250025XP	25	25
2800250040XP	25	40
2800250050XP	25	50
2800320005CP	32	5
2800320010CP	32	10
2800320015CP	32	15
2800320020CP	32	20
2800320025CP	32	25
2800320040CP	32	40
2800320050CP	32	50
2800400005CP	40	5
2800400010CP	40	10
2800400015CP	40	15
2800400020CP	40	20
2800400025CP	40	25
2800400040CP	40	40
2800400050CP	40	50

9146	Bore mm	Stroke mm
2800500005CP	50	5
2800500010CP	50	10
2800500015CP	50	15
2800500020CP	50	20
2800500025CP	50	25
2800500040CP	50	40
2800500050CP	50	50
2800630005CP	63	5
2800630010CP	63	10
2800630015CP	63	15
2800630020CP	63	20
2800630025CP	63	25
2800630040CP	63	40
2800630050CP	63	50
2800800005AP	80	5
2800800010AP	80	10
2800800015AP	80	15
2800800020AP	80	20
2800800025AP	80	25
2800800040AP	80	40
2800800050AP	80	50
2800100005AP	100	5
2800100010AP	100	10
2800100015AP	100	15
2800100020AP	100	20
2800100025AP	100	25
2800100040AP	100	40
2800100050AP	100	50

Please contact our Sales Department for full range of accessories

ISO 21287 CYLINDERS

Compact Series Liner

Compact cylinder to ISO 21287, LINER series, available in different versions to meet all possible requirements. Below sizes listed are most popular, if you require an alternative size please contact the sales office

The heads have been eliminated for ease of installation, improved sturdiness and precision. The metal lining is designed to withstand heavy-duty work, tensile stress and impact. Technopolymer parts can withstand dynamic and pneumatic thrust. The lining virtually acts as a "bearing" to which most of user accessories are attached. The wide range of anchors provide numerous fixing points. Retractable magnetic limit switches can be mounted to identify the position in the cylinder grooves.



Double Acting, Female Piston Rod

9146	Bore mm	Stroke mm
2900200005XP	20	5
2900200010XP	20	10
2900200015XP	20	15
2900200020XP	20	20
2900200025XP	20	25
2900200040XP	20	40
2900200050XP	20	50
2900250005XP	25	5
2900250010XP	25	10
2900250015XP	25	15
2900250020XP	25	20
2900250025XP	25	25
2900250040XP	25	40
2900250050XP	25	50
2900320005CP	32	5
2900320010CP	32	10
2900320015CP	32	15
2900320020CP	32	20
2900320025CP	32	25
2900320040CP	32	40
2900320050CP	32	50
2900400005CP	40	5
2900400010CP	40	10
2900400015CP	40	15
2900400020CP	40	20
2900400025CP	40	25
2900400040CP	40	40
2900400050CP	40	50

9146	Bore mm	Stroke mm
2900500005CP	50	5
2900500010CP	50	10
2900500015CP	50	15
2900500020CP	50	20
2900500025CP	50	25
2900500040CP	50	40
2900500050CP	50	50
2900630005CP	63	5
2900630010CP	63	10
2900630015CP	63	15
2900630020CP	63	20
2900630025CP	63	25
2900630040CP	63	40
2900630050CP	63	50
2900800005AP	80	5
2900800010AP	80	10
2900800015AP	80	15
2900800020AP	80	20
2900800025AP	80	25
2900800040AP	80	40
2900800050AP	80	50
2900100005AP	100	5
2900100010AP	100	10
2900100015AP	100	15
2900100020AP	100	20
2900100025AP	100	25
2900100040AP	100	40
2900100050AP	100	50

Please contact our Sales Department for full range of accessories

COMPACT CYLINDERS & MOUNTINGS



Compact Cylinders

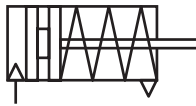
- One third the basic length of a corresponding VDMA/ISO model
- Low friction, long life seal design
- Fully non-corrodible specification
- Non-lube operation
- Optional non-rotating piston rod (non-rotating or guided piston rod on RM/92000/M)
- Standard magnetic piston for full control system versatility

Medium:
Compressed air, filtered, lubricated or non-lubricated

Operation:
RM/91000/M Single acting, non-cushioned, magnetic sprung in RM/92000/M
Double acting, buffer cushioning

Barrel and End Caps:
Anodised aluminium alloy

Piston Rod:
RM/91000/M Stainless steel
(Ø 12 to 40mm austenitic)
RM/92000/M Stainless steel
(Ø 12 to 40mm austenitic,
Ø 50 to 100mm martensitic)
Seals:
PUR and/or NBR



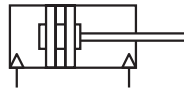
° Working Temperature:
-5°C to +80°C

Working Pressure:
2 to 10 bar

Single Acting RM/91000/M

0036	Bore mm	Stroke mm	Thread
RM/91032/M/25	32	25	G1/8
RM/91040/M/25	40	25	G1/8

Tech Sheet 10362



° Working Temperature:
-5°C to +80°C

Working Pressure:
1 to 10 bar

Double Acting RM/92000/M

0036	Bore mm	Stroke mm	Thread
RM/92012/M/10	12	10	M5
RM/92016/M/10	16	10	M5
RM/92016/M/15	16	15	M5
RM/92016/M/20	16	20	M5
RM/92020/M/10	20	10	M5
RM/92020/M/15	20	15	M5
RM/92020/M/25	20	25	M5
RM/92020/M/30	20	30	M5
RM/92020/M/40	20	40	M5
RM/92020/M/50	20	50	M5
RM/92025/M/10	25	10	M5
RM/92025/M/20	25	20	M5
RM/92025/M/25	25	25	M5
RM/92025/M/30	25	30	M5
RM/92025/M/40	25	40	M5
RM/92025/M/50	25	50	M5
RM/92032/M/10	32	10	G1/8
RM/92032/M/15	32	15	G1/8
RM/92032/M/20	32	20	G1/8
RM/92032/M/25	32	25	G1/8
RM/92032/M/30	32	30	G1/8
RM/92032/M/40	32	40	G1/8
RM/92032/M/50	32	50	G1/8
RM/92032/M/60	32	60	G1/8
RM/92032/M/80	32	80	G1/8
RM/92040/M/5	40	5	G1/8
RM/92040/M/10	40	10	G1/8
RM/92040/M/20	40	20	G1/8
RM/92040/M/25	40	25	G1/8
RM/92040/M/30	40	30	G1/8
RM/92040/M/50	40	50	G1/8
RM/92050/M/10	50	10	G1/8
RM/92050/M/20	50	20	G1/8
RM/92050/M/25	50	25	G1/8
RM/92050/M/30	50	30	G1/8
RM/92050/M/40	50	40	G1/8
RM/92050/M/50	50	50	G1/8
RM/92050/M/100	50	100	G1/8
RM/92063/M/15	63	15	G1/4
RM/92063/M/25	63	25	G1/4
RM/92063/M/40	63	40	G1/4
RM/92080/M/25	80	25	G1/4
RM/92080/M/40	80	40	G1/4
RM/92080/M/50	80	50	G1/4
RM/92080/M/60	80	60	G1/4
RM/92080/M/80	80	80	G1/4
RM/92100/M/30	100	30	G1/4
RM/92100/M/50	100	50	G1/4

Tech Sheet 10361

Compact Mountings



Female Piston Rod Clevis

0036	Bore mm
QM/57063/25	80 & 100

Tech Sheet 10361



Flange Mounting

0036	Bore mm
QM/90016/22	16
QM/90025/22	25
QM/90040/22	40
QM/90050/22	50
QM/90063/22	63
QM/90080/22	80
QM/90100/22	100

Tech Sheet 10361



For Norgren Excelon Plus
see page 686

ISO COMPACT CYLINDERS & MOUNTINGS



ISO Compact Cylinders & Mountings

- Conforms to ISO 21287
- Up to 30% shorter than full
- ISO/VDMA actuators
- Uses standard ISO/VDMA mountings

Medium:
Compressed air, filtered, lubricated or non-lubricated

Operation: RA/192000/MX, Double acting, magnetic piston, female piston rod thread, buffer cushioning

Materials:
Profile barrel: Anodized aluminium
End covers: Pressure diecast aluminium
Piston rod: Stainless steel
Piston rod seals: PUR
Piston seals: NBR
O-rings: NBR

Working Temperature:
-5°C to +80°C

Working Pressure:
0 to 10 bar



RA/192000 Series

0036	Bore mm	Stroke mm	Thread
RA/192020/MX/10	20	10	M5
RA/192020/MX/15	20	15	M5
RA/192020/MX/20	20	20	M5
RA/192020/MX/25	20	25	M5
RA/192020/MX/30	20	30	M5
RA/192020/MX/40	20	40	M5
RA/192020/MX/50	20	50	M5
RA/192025/MX/10	25	10	M5
RA/192025/MX/15	25	15	M5
RA/192025/MX/20	25	20	M5
RA/192025/MX/25	25	25	M5
RA/192025/MX/30	25	30	M5
RA/192025/MX/40	25	40	M5
RA/192025/MX/50	25	50	M5
RA/192032/MX/10	32	10	1/8"
RA/192032/MX/15	32	15	1/8"
RA/192032/MX/20	32	20	1/8"
RA/192032/MX/25	32	25	1/8"
RA/192032/MX/30	32	30	1/8"
RA/192032/MX/40	32	40	1/8"
RA/192032/MX/50	32	50	1/8"
RA/192032/MX/60	32	60	1/8"
RA/192032/MX/80	32	80	1/8"
RA/192040/MX/10	40	10	1/8"
RA/192040/MX/15	40	15	1/8"
RA/192040/MX/20	40	20	1/8"
RA/192040/MX/25	40	25	1/8"
RA/192040/MX/30	40	30	1/8"

0036	Bore mm	Stroke mm	Thread
RA/192040/MX/40	40	40	1/8"
RA/192040/MX/50	40	50	1/8"
RA/192050/MX/10	50	10	1/8"
RA/192050/MX/15	50	15	1/8"
RA/192050/MX/20	50	20	1/8"
RA/192050/MX/25	50	25	1/8"
RA/192050/MX/30	50	30	1/8"
RA/192050/MX/40	50	40	1/8"
RA/192050/MX/50	50	50	1/8"
RA/192050/MX/60	50	60	1/8"
RA/192063/M/15	63	15	1/8"
RA/192063/M/25	63	25	1/8"
RA/192063/M/40	63	40	1/8"
RA/192063/M/50	63	50	1/8"
RA/192063/M/60	63	60	1/8"
RA/192063/M/80	63	80	1/8"
RA/192080/M/15	80	15	1/8"
RA/192080/M/25	80	25	1/8"
RA/192080/M/40	80	40	1/8"
RA/192080/M/50	80	50	1/8"
RA/192080/M/60	80	60	1/8"
RA/192080/M/80	80	80	1/8"
RA/192100/M/15	100	15	1/8"
RA/192100/M/25	100	25	1/8"
RA/192100/M/40	100	40	1/8"
RA/192100/M/50	100	50	1/8"
RA/192100/M/60	100	60	1/8"
RA/192100/M/80	100	80	1/8"

Tech Sheet 71752

Mountings



Front Flange

0036	Bore mm
QA/192020/22	20
QA/192025/22	25
QA/8032/22	32
QA/8040/22	40
QA/8050/22	50
QA/8063/22	63
QA/8080/22	80
QA/8100/22	100

Tech Sheet 71752



Piston Rod Clevis

0036	Bore mm
QM/8020/25	20
QM/8025/25	25
QM/8032/35	32
QM/8040/25	40
QM/8050/25	50
QM/8080/25	80

Tech Sheet 71752



Foot C

0036	Bore mm
QM/192020/21	20
QM/192025/21	25
QA/192032/21	32
QA/192040/21	40
QA/192050/21	50
QA/192063/21	63
QA/192080/21	80
QA/192100/21	100

Tech Sheet 71752



Rear Clevis

0036	Bore mm
QA/8032/23	32
QA/8040/23	40
QA/8050/23	50
QA/8063/23	63
QA/8080/23	80
QA/8100/23	100

Tech Sheet 71752

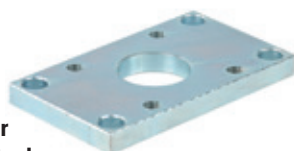
PNEUMATIC ACTUATION



Compact Cylinders & Accessories

Compact Cylinders ISO 21287 Double Acting 20mm-100mm

0110	Bore mm	Stroke mm
1540.20.15.01.1	20	15
1540.20.50.01.1	20	50
1540.25.50.01.1	25	50
1540.25.60.01.1	25	60
1540.32.15.01.1	32	15
1540.32.20.01.1	32	20
1540.32.30.01.1	32	30
1540.32.60.01.1	32	60
1540.32.200.01.1	32	200
1540.40.75.01.1	40	75
1540.50.30.01.1	50	30
1540.50.35.01.1	50	35
1540.50.50.01.1	50	50
1540.50.100.01.1	50	100
1540.63.25.01.1	63	25
1540.63.50.01.1	63	50
1540.63.100.01.1	63	100
1540.100.80.01.1	100	80



Front & Rear Flanges - Steel

0110	Bore mm
1540.20.03F	20



Foot Brackets MS1 - Steel

0110	Bore mm
1540.20.05/1F	20



Rear Clevis MP2 - Aluminium

0110	Bore mm
1380.32.09F	32
1380.40.09F	40
1380.50.09F	50
1380.63.09F	63
1380.80.09F	80
1380.100.09F	100

Rear Narrow Clevis - Aluminium



0110	Bore mm
1380.80.30F	80

Rear Clevis MP4 - Aluminium



0110	Bore mm
1380.40.09/1F	40
1380.50.09/1F	50
1380.63.09/1F	63
1380.100.09/1F	100

Rear Male Clevis complete with Jointed Head - Aluminium



0110	Bore mm
1380.32.15F	32
1380.40.15F	40
1380.50.15F	50
1380.80.15F	80

Square Angle Trunnion - Aluminium



0110	Bore mm
1380.32.35F	32
1380.63.35F	63
1380.80.35F	80
1380.100.35F	100



1580U Reed Switch complete with LED

0110	Description
1580U	LED Reed Switch N/O

Please contact our Sales Department for full range of accessories