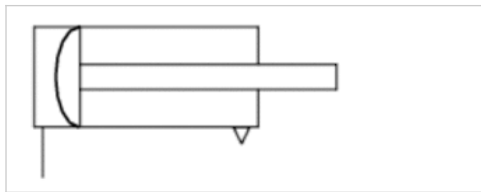


Diaphragm and piston actuators, Series RDC

- Ø 52.5-115 mm
- Ports G 1/8 G 3/8 G 1/4
- Single-acting, retracted without pressure
- Piston rod External 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	5 µm
Oil content of compressed air	0 ... 1 mg/m³
Pressure for determining piston forces	6.3 bar
Weight	See table below



Technical data

Piston Ø Piston rod thread Ports Piston rod Ø	52.5 mm M10x1,25 G 1/8 12 mm	75 mm M10x1,25 G 3/8 16 mm	85 mm M16x1,5 G 1/4 20 mm	95 mm M16x1,5 G 3/8 20 mm	115 mm M16x1,5 G 3/8 20 mm
Stroke 40	5218535110	-	-	-	-
60	-	5218555110	-	-	-
70	-	-	5218565110	-	-
75	-	-	-	5218575120	-
95	-	-	-	-	5218585120

Technical data

Piston Ø	52.5 mm	75 mm	85 mm	95 mm
Extracting piston force	1363 N	2783 N	3575 N	4465 N
Weight 0 mm stroke	1.6 kg	3 kg	3.6 kg	4.1 kg
Working pressure min./max.	0.03 ... 8 bar	0.03 ... 8 bar	0.035 ... 8 bar	0.035 ... 8 bar
Stroke max.	40 mm	60 mm	70 mm	75 mm

Piston Ø	115 mm
Extracting piston force	6543 N

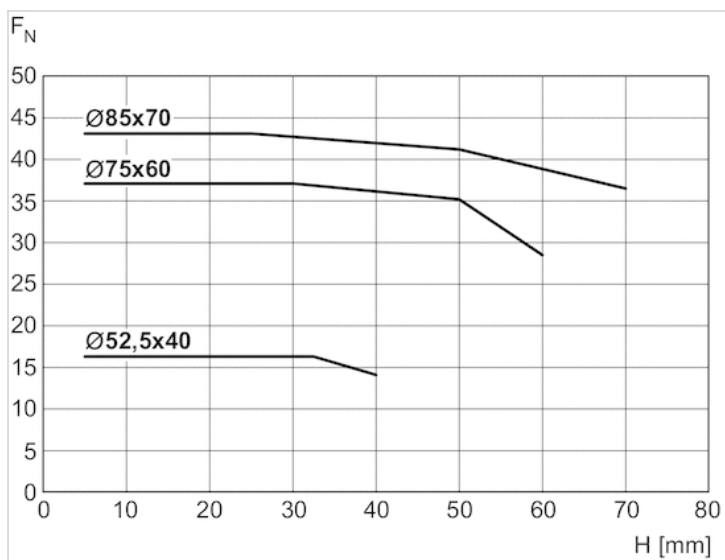
Dimensions

Piston Ø	A	B	C	D	E	F H7	G	H	I H7	K	L	M	N	O	P	R	S	U	V
52.5 mm	140	67	29	17	15	10	19	26	10	60	33	7-9	14	68	M10x1,25	8	3.1	–	–
75 mm	166	84	26	23	18	12	32	31	10	86	49	9-11	16	92	M10x1,25	12	3.5	–	–
85 mm	202	118	30	22	22	16	43	26	16	97	59	14,5-17,5	21	108	M16x1,5	12	4.5	–	–
95 mm	208	124	30	23	22	16	49	26	16	106	59	14,5-17,5	21	117	M16x1,5	12	3.5	45	34
115 mm	247	120	38	23	25	16	45	26	16	127	75	14-17,5	21	138	M16x1,5	12	3.6	45	33

Piston Ø	T h7	X	Z
52.5 mm	12	14	G 1/8
75 mm	16	14	G 3/8
85 mm	20	21	G 1/4
95 mm	20	21	G 3/8
115 mm	20	21	G 3/8

Diagrams

Force-stroke characteristic curve, 0.1 bar



FN= extending piston force

H = stroke