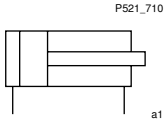
Piston rod cylinders → Round cylinders

Round cylinder, Series CPC

► Ø 32 - 80 mm ► Ports: G 1/8 - G 3/8 ► double-acting ► with integrated rear eye ► Piston rod: external thread

Compressed air connection	internal thread
Working pressure min./max.	1 bar / 10 bar
Ambient temperature min./max.	-25°C / +80°C
Medium temperature min./max.	-25°C / +80°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pressure for determining piston forces	6,3 bar

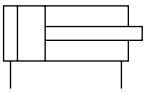


Materials:	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Front cover	Aluminum, anodized
End cover	Aluminum, anodized
Seal	Acrylonitrile Butadiene Rubber; Polyurethane
Nut for piston rod	Steel, galvanized
Scraper	Polyurethane

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Piston Ø		**[mm]**	**32**	**40**	**50**	**63**	**80**
Retracting piston force		[N]	435	660	1035	1765	2855
Extracting piston force		[N]	505	790	1235	1960	3165
Weight	0 mm stroke	[kg]	0.33	0.6	0.92	1.32	2.34
	+10 mm stroke	[kg]	0.015	0.025	0.036	0.042	0.06
Stroke max.		[mm]	1500	1900	2000	2000	2000

	Piston Ø **Piston rod thread** **Ports** **Piston rod Ø**	**32** **M10** **G 1/8** **12**	**40** **M12** **G 1/4** **16**	**50** **M16x1,5** **G 1/4** **20**	**63** **M16x1,5** **G 3/8** **20**	**80** **M20x1,5** **G 3/8** **25**
	Stroke 25	**5217105000**	**5217115000**	5217125000	**5217135000**	5217145000
	50	**5217105010**	**5217115010**	**5217125010**	**5217135010**	**5217145010**
	80	**5217105100**	5217115060	5217125110	**5217135090**	**5217145090**
	100	**5217105020**	**5217115020**	**5217125020**	**5217135020**	**5217145020**
	125	5217105120	**5217115260**	**5217125060**	5217135070	5217145330
	160	5217105510	5217115400	5217125460	**5217135120**	5217145370
	200	**5217105040**	5217115040	5217125040	**5217135040**	5217145040
	250	5217105080	5217115290	5217125070	**5217135150**	5217145120
	320	5217105580	5217115550	5217125520	5217135100	5217145430
	400	5217105090	**5217115300**	5217125220	5217135220	5217145060
	500	5217105210	5217115170	5217125210	5217135140	5217145110

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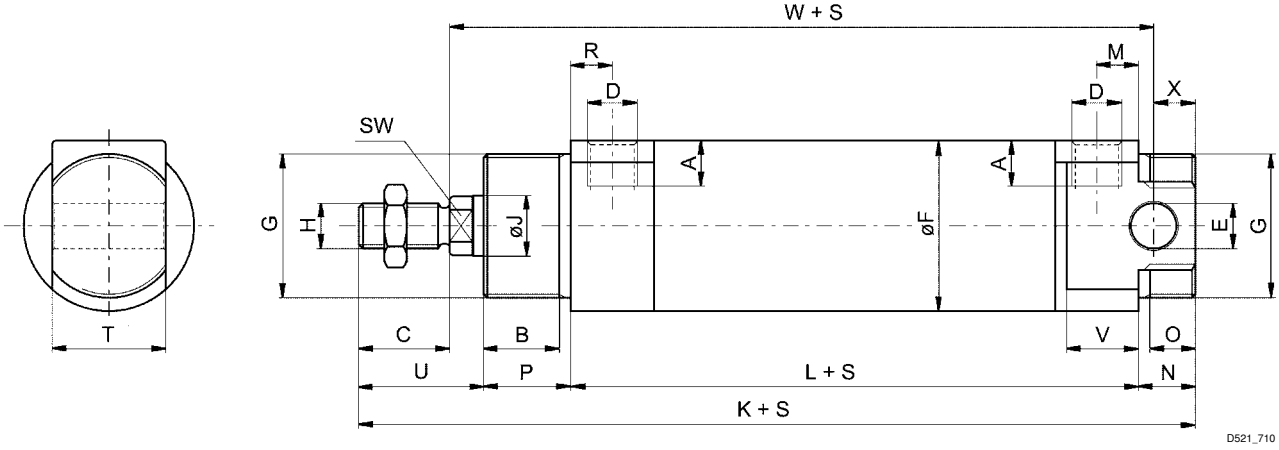
Round cylinder, Series CPC

► Ø 32 - 80 mm ► Ports: G 1/8 - G 3/8 ► double-acting ► with integrated rear eye ► Piston rod: external thread

Configurable product	
	This product is configurable. Please use the Internet configurator or contact the nearest Bosch Rexroth sales office.

Piston Ø 32 - 80



S=stroke

Piston Ø	A	B	C	D	Ø E H8	Ø F	G	H	Ø J	K	L	M	N
32	8	17	20	G 1/8	10	36	M30x1,5	M10	12	152	89	10.5	14
40	12	20	24	G 1/4	12	45	M38x1,5	M12	16	171	100	11	15
50	12	21	32	G 1/4	12	55	M45x1,5	M16x1,5	20	184	100	11	18
63	12	23.5	32	G 3/8	16	69	M45x1,5	M16x1,5	20	197	110.5	13	20
80	12	23	40	G 3/8	16	86	M55x1,5	M20x1,5	25	221	118	15	23

Piston Ø	O	P	R	T 0-0,2	U	V	W	X	SW				
32	11	20	10.5	25	29	18	122	10	10				
40	12	23	11	30	33	19	136	11	13				
50	15	24	11	35	42	19	141	11	17				
63	17	26.5	13	35	40	23	151	14	17				
80	20	26	15	48	54	26	167	14	22				