

700 BAR

BAHCO
DORTMUND



**HOLLOW PISTON CYLINDER
SERIES CHFA**
SINGLE ACTING WITH SPRING RETURN

BAHCO

Hollow piston cylinders of the new CHFA series are made out of aluminium and are lighter with it up to 50% than comparable cylinders of steel.

The continuous drilling in the piston middle allows the universal application for pressure and/or train duties.

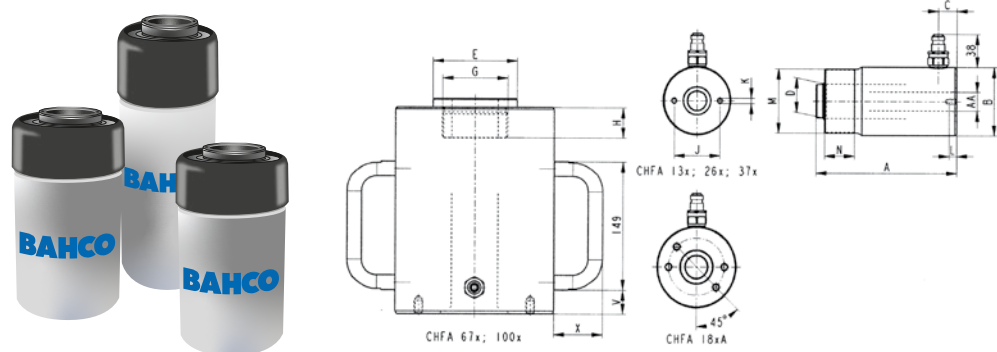
CHFA cylinders are available with capacities of 12 to 100 tonnes and a hydraulic heave up to 153 mm.

Pressure pieces and base plates for cylinder For the complete series of the CHFA – cylinders are available different pressure pieces and base plates of steel.

(more informations under hydraulic accessories.)

The base plates serve the aluminum cylinders as simple and effective protection against damage and are optionally available.

Technical drawing



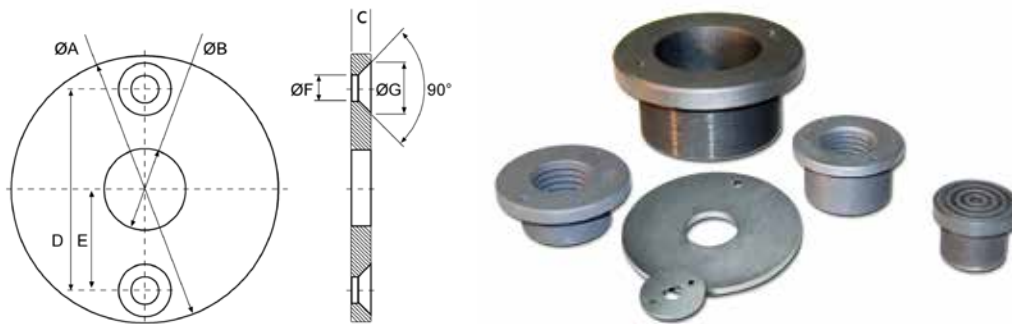
Dimensions									
Type	Work. pressure MPa	Capacity kN (t)	Stroke mm	Oil volume cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Length mm	Weight kg
CHFA132	70	123 (13)	52	92	40	17.6	80	165	2.13
CHFA136	70	123 (13)	153	270	40	17.6	80	310	4
CHFA182A	70	176 (18)	51	128	45	25.1	94	171	3
CHFA184A	70	176 (18)	102	256	45	25.1	94	246	4
CHFA262	70	255 (26)	51	186	60	36.4	115	180	4.9
CHFA266	70	255 (26)	153	557	60	36.4	115	323	8.7
CHFA372	70	358 (36)	51	261	70	51.2	136	189	6.9
CHFA376	70	358 (36)	153	784	70	51.2	136	327	12
CHFA504	70	508 (52)	104	756	80	72.7	160	276	14.7
CHFA673	70	659 (67)	77	726	100	94.2	185	257	18.4
CHFA674	70	659 (67)	102	961	100	94.2	185	284	20
CHFA676	70	659 (67)	153	1442	100	94.2	185	357	25
CHFA1003	70	1010 (103)	77	1111	120	144.3	227	290	30.2
CHFA1006	70	1010 (103)	153	2208	120	144.3	227	397	40.6

Max. working pressure 700 bar, Connection thread for quick coupling G¹/₄".

Dimensions															
Type	A mm	B ø mm	C mm	D ø mm	E ø mm	G	H mm	J mm	K	L mm	M	N mm	V mm	X mm	AA ø mm
CHFA132	165	80	22	40	39	M30x1,5	17	54	M6	9	M75x2	35	-	-	22
CHFA136	310	80	22	40	39	M30x1,5	17	54	M6	9	M75x2	35	-	-	22
CHFA182A	171	94	22	45	45	M35x1,5	25	66	M8	10	M90x2	35	-	-	26
CHFA184A	246	94	22	45	45	M35x1,5	25	66	M8	10	M90x2	35	-	-	26
CHFA262	180	115	26	60	59	M45x1,5	29	86	M10	12	M115x2	35	-	-	32
CHFA266	323	115	26	60	59	M45x1,5	29	86	M10	12	M115x2	35	-	-	32
CHFA372	189	136	28	70	68	M50x2	30	105	M10	15	M130x2	35	-	-	39
CHFA376	327	136	28	70	68	M50x2	30	105	M10	15	M130x2	35	-	-	39
CHFA504	276	160	32	80	79	M62x1,5	32	130,2	M10	15	-	-	37.5	55	51
CHFA673	257	185	37	100	98	M76x3	36	130	M10	15	-	-	27.5	55	54
CHFA674	284	185	37	100	98	M76x3	36	130	M10	15	-	-	63.0	55	54
CHFA676	350	185	30	100	98	M76x3	36	130	M10	15	-	-	101.5	55	54
CHFA1003	284	227	34	120	118	M90x2	42	185	M12	16	-	-	55.5	55	66
CHFA1006	391	227	34	120	118	M90x2	42	185	M12	16	-	-	121.5	55	66

We recommend equipping the cylinder with a bottom plate to protect it from damage.

Technical drawing



Bottom plates for hollow piston cylinder										
Model	for Cylinder kN (tn)	A ø mm	B ø mm	C mm	D mm	E mm	F ø mm	G ø mm	Weight kg	
TS13	123 (13)	80	23	5	54	27	7	13	0.17	
TS18	176 (18)	93	27	6	66.4	33.2	9	17.8	0.28	
TS26	255 (26)	114	33	8	86	43	11	22	0.56	
TS37	358 (36)	135	40	8	105	52.5	11	22	0.79	
TS50	508 (52)	159	70	8	130.2	65.1	11	22	1.10	
TS67	659 (67)	184	55	8	130	65	11	22	1.50	
TS100	1010 (103)	226	67	10	185	92.5	13	25.7	2.80	

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All information subject to change without further notice.
No responsibility is taken for the correctness of the named specifications.