

REHOBOT®

MADE IN SWEDEN

POWER WITH HYDRAULICS

HYDRAULIC CYLINDERS

PRODUCT OVERVIEW



256 TON

PUSH CYLINDERS, PULL CYLINDERS, HOLLOW
SHAFT CYLINDERS, LOW WEIGHT CYLINDERS,
STAINLESS CYLINDERS, COMPACT CYLINDERS

www.rehobot.se



CYLINDERS – PERFORMANCE IN A LIMITED SPACE!

REHOBOT cylinders are designed to withstand rough handling in harsh environments. Their use are highly varied. The cylinders can be used wherever there is something which needs to be pulled, pushed or lifted.

REHOBOT's cylinders are used worldwide and in all possible environments. Some examples can be found within the engineering, automotive, mining and petrochemical industries.

The standard range of products is rich with cylinders of different strokes and capacity. We also provide a wide range of accessories extending the use of the cylinders.

We are happy to tailor the cylinders to our customers' needs. Something that enables flexible and cost effective solutions with virtually unlimited lifting capacity. The cylinders are an effective tool for all use ranging from small precision work to lifting of 500-ton bridge sections.

Our designs are based on more than 70 years of experience within the field of hydraulics. The results are cylinders which are easy to repair and service - saving

time and money, thus providing a low total cost of ownership for the user. The pistons on our cylinders are hard chromed, making them resistant to wear and free of rust. The quality and performance of REHOBOT's products ensure long term tangible benefits. - Our cylinders simply last for generations!

The choice of the cylinder is normally selected by the working operation, pressure range, stroke and boundary dimensions of the cylinder. Considerations when selecting the cylinder for a specific application should also be given to the available range various accessories like extension tubes, pressure heads etc. All to make the most out of the hydraulic solution.

When an existing hydraulic equipment is available, the selection of cylinder preferably become based on the existing equipment's pressure range. All to deliver the greatest flexibility and overall economy.

REHOBOT - CYLINDERS FEATURES

- Hard chromed pistons, making them resistant to wear and free of rust.
- Galvanized cylinders for increased corrosion resistance.
- Mechanical stoppage of the piston movement.

QUICK COUPLING ON ALL CYLINDERS

- An AQU8 (male) quick coupling is normally mounted on all cylinders on delivery.
- AQI24 quick coupling (female) can be equipped during manufacturing. In such cases shall a "P" be added to the product designation, e.g. CF104P.

CF/CFU - SINGLE ACTING PUSH CYLINDER WITH SPRING RETURN

CF cylinders are workhorses in REHOBOT's cylinder range. They can be used for a variety of purposes. The cylinders are prepared for accessories to be connected at the piston top or at the bottom of the cylinder. The CF - cylinders can easily be mounted in applications by the use of its collar mounting threads.

- High strength alloy steel design for multi purpose use.
- 5 to 25 ton capacity with 127mm - 300 stroke length.
- Removable grooved piston cap & chromeated piston rods.

CFU - series have an extended piston pin in order to be used for instance for clevis fitting etc.



Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke volume cm ³	Piston rod ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CF104	27485	70	49 (5)	127	90	26.5	7.1	37.5	266	1.7
CF204	27486	70	49 (5)	200	142	26.5	7.1	37.5	339	2.4
CF110	43829	70	111 (11)	150	239	38	15.9	56.5	321	4.7
CF210	43830	70	111 (11)	200	318	38	15.9	56.5	372	5.5
CF310	43831	70	111 (11)	300	477	38	15.9	56.5	474	7
CF120	24178	70	232 (24)	127	422	60	33.2	84	337	10.2
CF220	24973	70	232 (24)	200	664	60	33.2	84	410	12.4
CF320	24974	70	232 (24)	300	996	60	33.2	84	510	16
CFU2010	43837	70	111 (11)	200	318	38	15.9	56.5	387	5.3
CFU2510	43838	70	111 (11)	250	398	38	15.9	56.5	437	6

CFA - ALUMINIUM PUSH CYLINDERS WITH SPRING RETURN

REHOBOT push cylinders in the CFA series have a capacity between 23 & 50 ton. The aluminium material provides superior performance in the relation between capacity and weight (about 50% more power per kilo compared with similar cylinders made of steel). The cylinders are manufactured out of high strength aluminium which gives it a much longer life compared with similar products on the market.

- 23 to 100 ton capacity.
- 100mm to 200mm stroke length.
- Anodised cylinder & piston for increased wear & corrosion protection.

CFA cylinders are delivered with a top lip and a protective bottom plate of steel. All to warrant proper function even if the base and lifting points are rough.

NOTE! These cylinders are designed for general service and maintenance applications. Should your application require high cycle repetitive use, please contact REHOBOT to discuss your application.



Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke volume cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CFA250-100	48978	70	230 (23)	100	332	60	33.2	100	212	4.4
CFA250-200	48980	70	230 (23)	200	664	60	33.2	100	312	5.9
CFA500-100	47153	70	500 (51)	100	709	85	70.9	140	224	9.2
CFA500-200	47160	70	500 (51)	200	1418	85	70.9	140	324	12.7
CFA750-100	47185	70	730 (74)	100	1039	100	103.9	170	235.5	14
CFA750-200	47186	70	730 (74)	200	2078	100	103.9	170	335.5	18.3
CFA1000-100	47163	70	930 (95)	100	1327	110	132.7	190	243	18.4
CFA1000-200	47171	70	930 (95)	200	2655	110	132.7	190	343	24.7

CFC - COMPACT SINGLE ACTING, PUSH CYLINDERS WITH SPRING RETURN

CFC cylinders are real all-round cylinders. The design allows small dimensions and built in measurements. The cylinders are fitted with scrapers to keep the piston clean from dirt, always ensuring proper function in harsh environments.

- Wiper polyurethane, positioned so that dirt can not penetrate between the piston rod and cylinder
- Corrosion protection - plated piston rod and electroplated cylinder
- Collar mounting threads as standard.
- Optional base mounting holes at the bottom of the cylinder.



CFC cylinders are available in capacities between 5 to 100 tons. Models with 5 t, 10 t, 15 t and 25 tons capacity can be fitted with adapters for mounting of accessories such as pressure heads or chains, extending the use of the cylinder.

Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke volume cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CFC51	40184	70	49 (5)	27	19	25	7	38	110	0.8
CFC53	40186	70	49 (5)	77	55	25	7	38	165	1.2
CFC55	40188	70	49 (5)	127	90	25	7	38	216	1.5
CFC57	40190	70	49 (5)	181	128	25	7	38	273	1.9
CFC59	40192	70	49 (5)	232	165	25	7	38	324	2.2
CFC101	40235	70	111 (11)	25	40	38	16	57	90	1.5
CFC102	40237	70	111 (11)	54	86	38	16	57	121	2
CFC104	40239	70	111 (11)	105	167	38	16	57	171	2.7
CFC106	39849	70	111 (11)	155	247	38	16	57	247	4
CFC108	39850	70	111 (11)	206	328	38	16	57	298	4.6
CFC1010	39851	70	111 (11)	257	409	38	16	57	349	5.3
CFC1012	39852	70	111 (11)	305	485	38	16	57	400	6
CFC1014	39853	70	111 (11)	356	566	38	16	57	451	6.8
CFC151	40264	70	166 (17)	25	59	48	24	70	124	3
CFC152	40266	70	166 (17)	51	121	48	24	70	149	3.5
CFC154	40268	70	166 (17)	101	240	48	24	70	200	4.5
CFC156	39881	70	166 (17)	152	361	48	24	70	272	6.5
CFC158	39882	70	166 (17)	203	482	48	24	70	322	7.5
CFC1510	39883	70	166 (17)	254	603	48	24	70	373	8.5
CFC1512	39884	70	166 (17)	305	725	48	24	70	424	9.5
CFC1514	39885	70	166 (17)	356	846	48	24	70	475	10.9
CFC251	39940	70	232 (24)	25	83	60	33	85	140	5.1
CFC252	39941	70	232 (24)	51	169	60	33	85	165	5.9
CFC254	39942	70	232 (24)	101	335	60	33	85	216	7.7
CFC256	39943	70	232 (24)	159	528	60	33	85	273	9.7
CFC258	39944	70	232 (24)	209	694	60	33	85	324	11.5
CFC2510	39945	70	232 (24)	260	863	60	33	85	375	13.3
CFC2512	39946	70	232 (24)	311	1032	60	33	85	426	15
CFC2514	39947	70	232 (24)	362	1201	60	33	85	476	17
CFC502	40292	70	496 (51)	53	376	80	71	127	176	16
CFC504	40294	70	496 (51)	104	737	80	71	127	227	19
CFC506	40296	70	496 (51)	159	1127	80	71	127	282	23
CFC5013	40298	70	496 (51)	337	2389	80	71	127	460	35
CFC756	40344	70	727 (74)	155	1610	100	104	146	282	30
CFC7513	40345	70	727 (74)	333	3459	100	104	146	492	48
CFC1006	40388	70	929 (95)	168	2230	100	133	175	359	54
CFC10010	40389	70	929 (95)	260	3451	100	133	175	450	65



CL - LOW PUSH CYLINDERS, GRAVITY RETURN

- Compact design for limited space applications.
- Prepared with mounting holes at bottom for fastening.
- Replaceable reinforced pressure cap.

CL-cylinders are ideal for those who need a compact installation dimensions. Holes in cylinder bottom makes them easy to integrate into the application.

Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke volume cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CL50-25	35680	70	49 (5)	25	18	26	7.1	39	60	0.7

CLF - LOW PUSH CYLINDERS WITH SPRING RETURN

CLF cylinders are the right choice for those who need flexible cylinders with small dimensions. With capacities ranging from 5 tons to 200 tons makes them suitable for lifting and other for purposes. Threaded mounting holes make them easy to integrate into various applications.

The CLF series are REHOBOT's smallest cylinder series - CLF50-10 reach an height of only 37 mm, but with an incredible 5-ton lifting capacity. Cylinders CLF670-45 and CLF1100-40 are equipped with a removable handles to facilitate their handling.



Name	Part Number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke volume cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CLF50-10	35132	70	50 (5)	10	7.1	24	7.1	60	37	0.6
CLF110-10	35133	70	111 (11)	10	15.9	35	15.9	80	43	1.5
CLF110-30	47067	70	111 (11)	28	44.5	35	15.9	65	75	1.8
CLF220-13	35320	70	218 (22)	13.5	42.1	50	31.2	100	50	2.6
CLF220-50	37553	70	218 (22)	50	156	50	31.2	85	107	3.9
CLF450-15	35305	70	445 (45)	15	95.4	60	63.6	134	68	6.4
CLF450-40	47071	70	445 (45)	40	254.4	60	63.6	120	120	8.8
CLF670-15	35413	70	665 (68)	15	142.5	80	95	146	78	9.2
CLF670-45	47075	70	665 (68)	45	427.5	80	95	146	130	14.3
CLF1100-15	35166	70	1078 (110)	15	231	100	154	180	90	17
CLF1100-40	47079	70	1078 (110)	40	616	100	154	180	140	23.7
CLF1500-15	35485	70	1498 (153)	15	321	125	214	220	100	28
CLF2000-16	35490	70	1985 (202)	16	454	140	284	250	110	40



HYDRAULIC HOSES

Our original hose is a black polyamide / polyurethane hose with steel reinforcement. The surface provides good abrasion resistance and long life.

See accessories catalogue for more information on the hoses and other accessories.



QUICK COUPLINGS

Swivel couplings can be installed on either pump, cylinders or on the hydraulic tools.

When using the swivel a variable/rotating (360 °) coupling between the pump and hose is achieved.



CX - SINGLE ACTING PUSH CYLINDERS FOR HIGH LOADS

CX-series cylinders reach up to 250 ton lifting capacity. They are specially designed to cope with off-set loads. The CX-cylinder is also equipped with special piston guidance, a cylinder design which eliminates the risk of damage to the piston during movement.

CX250-100 may upon request be manufactured in double-action designs and with other strokes. Please contact your REHOBOT dealer or us directly.

CX series are approved to be used with a working pressures up to 80 MPa (800 bar).

Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke vol cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CX250-100	49460	80	2513 (256)	100	3140	180	314	250	285	79

CSF - STAINLESS STEEL SINGLE ACTING PUSH CYLINDERS WITH SPRING RETURN

- CSF-cylinders are available with 11 ton (13*) to 88 (100*) tons capacity and with 50 to 200 mm stroke length.
- Designed to compensate oblique loads better than conventional cylinders.
- Manufactured in stainless steel with hard chromatid piston.
- Collar mounting threads as standard.

All CSF - cylinders are equipped with spring return, wiper and quick coupling. Model CSF350 has also a carrying handle mounted on the cylinder frame.

*CSF-series are approved for working pressures up to 80 MPa (800 bar).



Name	Part number	Pressure MPa	Capacity kN (t) at 70MPa	Capacity kN (t) at 80MPa	Stroke mm	Stroke vol. cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CSF110-50	45092	80	111 (11)	127 (13)	50	80	45	15,9	58	134	2,3
CSF110-100	45094	80	111 (11)	127 (13)	100	159	45	15,9	58	184	3,0
CSF110-150	45096	80	111 (11)	127 (13)	150	238	45	15,9	58	234	3,7
CSF220-25	45098	80	218 (22)	249 (25)	25	78	63	31,2	80	115	3,7
CSF220-50	45100	80	218 (22)	249 (25)	50	156	63	31,2	80	140	4,4
CSF220-100	45102	80	218 (22)	249 (25)	100	312	63	31,2	80	190	5,9
CSF220-150	45104	80	218 (22)	249 (25)	150	467	63	31,2	80	240	7,3
CSF220-200	45106	80	218 (22)	249 (25)	200	623	63	31,2	80	290	8,7
CSF350-50	45108	80	352 (36)	402 (41)	50	241	80	50,2	105	146	8,5
CSF350-100	45110	80	352 (36)	402 (41)	100	502	80	50,2	105	196	11,0
CSF350-200	45112	80	352 (36)	402 (41)	200	1005	80	50,2	105	296	15,6
CSF550-50	45114	80	550 (56)	628 (64)	50	393	100	78,5	130	160	14,0
CSF550-100	45116	80	550 (56)	628 (64)	100	785	100	78,5	130	210	17,7
CSF550-200	45118	80	550 (56)	628 (64)	200	1570	100	78,5	130	310	24,9
CSF860-50	45120	80	859 (88)	982 (100)	50	613	125	122,6	160	183	23,7
CSF860-100	45122	80	859 (88)	982 (100)	100	1227	125	122,6	160	233	28,9
CSF860-200	45124	80	859 (88)	982 (100)	200	2453	125	122,6	160	333	39,3



CH/CHF - SINGLE ACTING STEEL HOLLOW BORE CYLINDERS

CH / CHF hollow cylinders can via the through-hole be used for both push or pull operations. For example, by inserting a rod through the cylinder, the compression force permit the cylinder to be used for pulling operations.

CH / CHF cylinders have a capacity of 6 tons to 51 tons and is very compact in its exterior dimensions. This makes them suitable for integration into applications.

CH62 has a gravity return & CHF62 cylinder has a spring return function.

Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Hollow diameter mm	Stroke volume cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CH62	42503	70	61 (6)	51	17	44.7	30	8.8	55	110	1.6
CHF62	45244	70	61 (6)	51	17	44.7	30	8.8	55	136	2

CHFA - SINGLE ACTING ALUMINIUM HOLLOW BORE CYLINDERS

CHFA series consists of cylinders made of aluminium. This makes the products up to 50% lighter than comparable models made out of steel. Due to its construction, hollow cylinders can be used for both push and pull operations. For example, by inserting a rod through the cylinder, the compression force also be used for pulling operations.

CHFA cylinders are available with capacities between 13 ton to 103 ton and stroke lengths up to 153 mm.

NOTE! These cylinders are designed for general service and maintenance applications. Should your application require high cycle repetitive use, please contact REHOBOT to discuss your application.



Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Hollow diameter mm	Stroke volume cm ³	Piston ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CHFA132	45862	70	123 (13)	52	22	92	40	17.6	80	165	2.3
CHFA136	46602	70	123 (13)	153	22	270	40	17.6	80	310	4
CHFA182	46621	70	176 (18)	51	26	128	45	25.1	94	171	3
CHFA184	46622	70	176 (18)	102	26	256	45	25.1	94	246	4
CHFA262	46641	70	255 (26)	51	32	186	60	36.4	115	180	4.9
CHFA266	46642	70	255 (26)	153	32	557	60	36.4	115	323	8.7
CHFA372	46661	70	358 (36)	51	39	261	70	51.2	136	189	6.9
CHFA376	46662	70	358 (36)	153	39	784	70	51.2	136	327	12
CHFA504	47733	70	508 (52)	104	51	756	80	72.7	160	276	14.7
CHFA673	46681	70	659 (67)	77	54	726	100	94.2	185	250	18
CHFA676	46682	70	659 (67)	153	54	1442	100	94.2	185	350	25
CHFA1003	46701	70	1010 (103)	77	66	1111	120	144.3	227	284	29
CHFA1006	46702	70	1010 (103)	153	66	2208	120	144.3	227	391	40

CD - DOUBLE ACTING CYLINDERS

CD - cylinders are double acting cylinders and used when there is a need for power at the piston return movement. CD cylinder capacity reach between 45 tons to 200 tons, and 25 tons to 80 tons depending on the working pressure.

- Collar mounting threads as standard.
- Replaceable grooved saddle to protect piston.
- Fitted with carrying handles as standards.
- Gland will take full end loading.
- 75mm to 150mm stroke option available.



CD1100 - models are equipped with external thread M180x3.

CD2000 - the model's maximal operating pressure is 80 MPa.

All cylinders have a maximum working pressure of 70 MPa (in case there are exceptions, these are mentioned in the text below).

Name	Part number	Capacity		Stroke mm	Stroke volume		Piston Ø mm	Piston area		Diameter mm	Height mm	Weight kg
		push kN (t)	pull kN (t)		push cm ³	pull cm ³		push cm ²	pull cm ²			
CD450-75	33465	445 (45)	247 (25)	75	477	265	60	64	36	130	150	13.5
CD670-150	31061	665 (68)	313 (32)	150	1425	672	80	95	45	146	300	34
CD1100-100	33073	1077 (110)	285 (29)	100	1539	408	120	154	41	180	297	55
CD1100-150	31060	1077 (110)	285 (29)	150	2309	614	120	154	41	180	353	66
CD2000-150	38950	2035 (207)	804 (82)	150	3817	1507	140	255	100	250	300	105

CPF - PULL CYLINDERS

CPF cylinders are pulling cylinders of 5 tons or 11 tons capacity. They are part of REHOBOT push and pull kits having threads on the piston top and cylinder bottom for attachment of accessories.

- Piston and cylinder case have threads as standard for fitting of accessories or mounting.

CPF cylinders are used, for example when reshaping welded structures.



Name	Part number	Pressure MPa	Capacity kN (t)	Stroke mm	Stroke volume cm ³	Piston Ø mm	Piston area cm ²	Diameter mm	Height mm	Weight kg
CPF705	27300	70	45 (5)	125	80	20	6	48	412	2.4
CPF709	27280	70	110 (11)	127	199	32	16	70	436	5.9

Innovative solutions tailored to your requirements:

- Hydraulics, power units and valves
- Pressure test units, high pressure hydraulics
- Production aids, machines

A wide range of excellent products:

- Proportional valves, emergency shut off valves, as well for hazardous areas
- Test couplings, check valves, pressure gauges
- Miniature-air/oil-coolers

Hydraulic components from well-known manufacturers,

- chosen by our high demands
- on quality and delivery reliability!

Repairs and maintenance

- on hydraulic parts and systems
- carried out by our specialists.

Your partner for
hydraulics and engineering
