

HYVA CYLINDER



715 05 293

Front end cylinder with outer cover

type

FC 149-4-04620-070A-K0343-HC

tipping weight

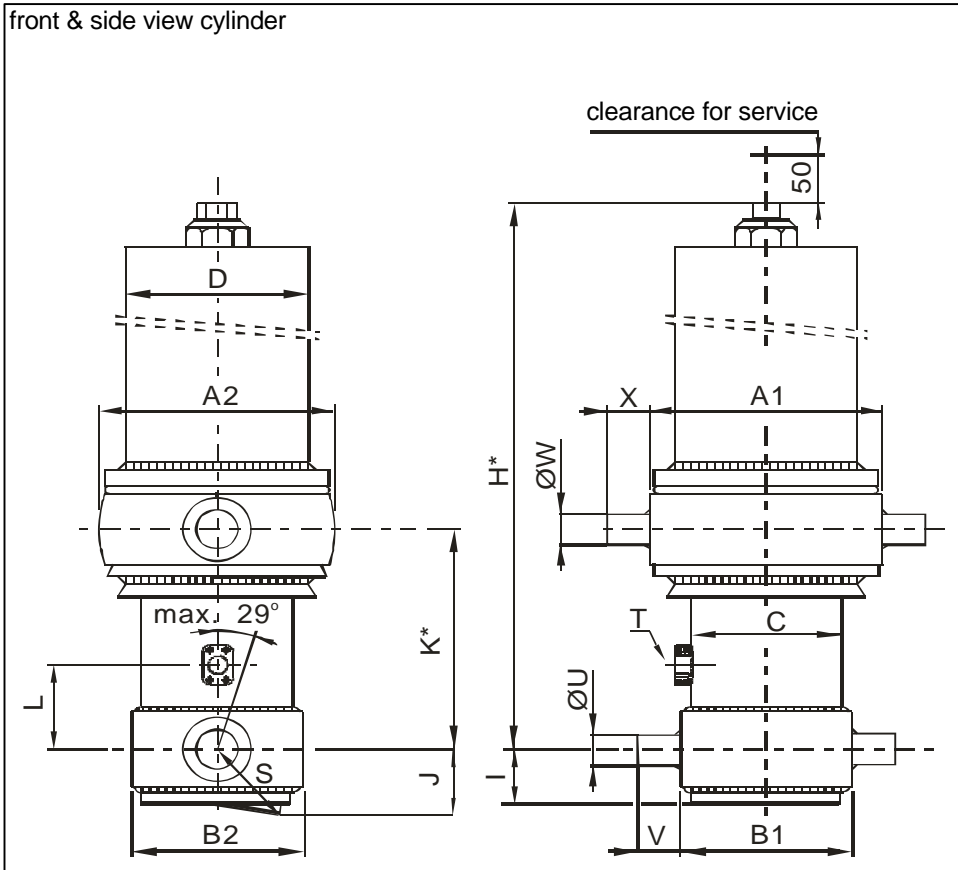
36-68 ton

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closed length (K)

338-373 mm

front & side view cylinder



	1	2	
A	340	329	mm
B	201	201	mm
C	169		mm
D	242		mm
E			mm
F			mm
G*			mm
H*	1484		mm
I	60		mm
J	96		mm
K*	343		mm
L	190		mm
M*			mm
N			mm
O			mm
P			mm
Q			mm
R			mm
S	114		mm
T	1" SAE		
U	60		mm
V	65		mm
W	60		mm
X	65		mm
Y			mm
Z			mm

*incl.20[-5;30] pull out on piston

specifications

weight cylinder only	247 kg
total volume	59 L
working volume	54 L
maximum pressure	190 bar
maximum pump flow	137 L/min
maximum cylinder angle to front	10 °
maximum thrust first stage**	30 ton

**when cyl. mounted at a large angle, thrust first stage may become too high: see Hyva Tipper Program

technical notes

This cylinder is a lifting device only and may not be used as structural member or be subject to side load. Working pressure depends on application; never exceed maximum pressure. Cylinder painted with Akzo Air drying Enamel (RAL9005). Max duration of extension 2 hours (excluded HC). See mounting instruction CYL-0019. See oil specification sheet OIL-0002. See bracket specification sheet 015BRA01.

extension	1	2	3	4	5	6	7	8	9	
effective diameter [mm]	149	129	110	91						total
stroke [mm]	1140	1160	1160	1160						4620

tipping weight

tipping weight at maximum pressure of 190 bar and C is 229 mm

BL (body length); OH (rear overhang); Ycog (vert. pos. centre of gravity); Qo (pivot length); C (bracket length);	BL	6100			5850			5600		
	OH	200	500	800	200	500	800	200	500	800
At		45	47	50	47	49	52	49	52	55
Ycog										
600		36	40	45	37	41	48	38	44	52
900		39	44	52	40	47	56	42	50	63
1200		42	49	60	45	53	68	48	59	

Subject to change without notice.

DO-E 71505293 / 05-03-21 / RV AA

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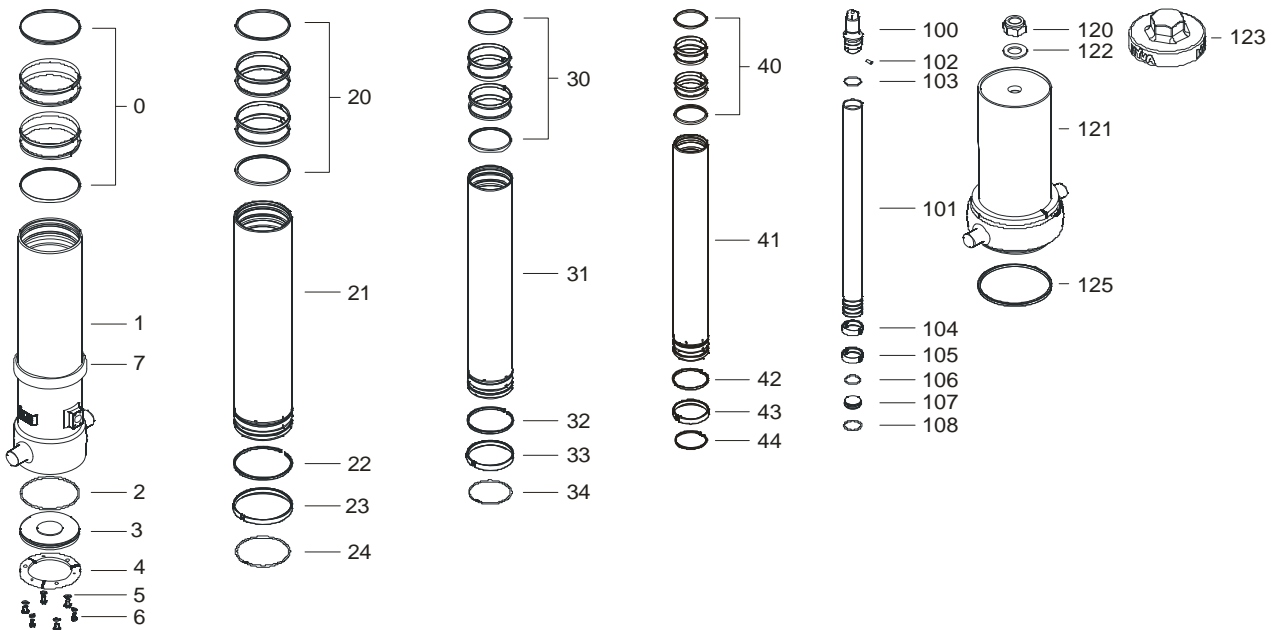
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Spare part list

Pos	Part no.	Description	Qty.
0	71802169 K	PACKSET 169	01
1	72506372 *	BASE 169-1399-4/4SAE-190-90	01
2	71870035	O-RING BOTTOM PLATE 169	01
3	71821169	BOTTOM PLATE 169	01
4	71820169 K	LOCKING PLATE 169	03
5	01732559 K	SPRING WASHER M8	06
6	01732055 K	BOLT M8 X 1.25 X 20	06
7	71840620 *	ANTI RATTLE RING 169 FOR COVER 242	01
20	71802149 K	PACKSET 149	01
21	72605371	STAGE 149-1360-HC	01
22	71811149 K	OUTER STOPPING 149	01
23	71807149 K	SLIDER 149	01
24	71812149 K	LIFTRING 149	01
30	71802129 K	PACKSET 129	01
31	72604371	STAGE 129-1360-HC	01
32		NOT APPLICABLE	00
33	71807129 K	SLIDER 129 (2 X 1/2)	02
34	71812129 K	LIFTRING 129	01

Spare part list

Pos	Part no.	Description	Qty.
40	71802110 K	PACKSET 110	01
41	72603371	STAGE 110-1360-HC	01
42		NOT APPLICABLE	00
43	71807110 K	SLIDER 110 (2 X 1/2)	02
44	71812110 K	LIFTRING 110	01
100	71531091	PISTON HEAD 091 MACHINED	01
101	72402371	PISTON S 091-1365-HC	01
102	71875010 K	PIN ROUND HEAD GROOVED	01
103	71870115	O-RING PISTON TOP 091	01
104	71807091 K	SLIDER 091 (2 X 1/2)	01
105	71807091 K	SLIDER 091 (2 X 1/2)	01
106	71870215 K	O-RING PISTON BOTTOM 091	01
107	71822091	BOTTOM PLATE PISTON 091	01
108	71814091 K	SNAPRING FOR PISTON 091	01
120	01702907	TOPNUT M48x3	01
121	71706424	COVER 242-1165	01
122	01702956	WASHER M48	01
123	01702972	DUST COVER FOR COVER 242	01
125	01791941	O-RING COVER D242	01

Seal kit complete:

Part no.	Description
71901540 K	Seal kit complete: consists of all packsets with packset grease and O-rings

NOTE :

* Specify part number of cylinder when ordering a spare base with a spare anti rattle ring.