

HYVA CYLINDER



715 37 490

Front end cylinder with eye

type

FE 191-5-06180-011A-K1527

tipping weight

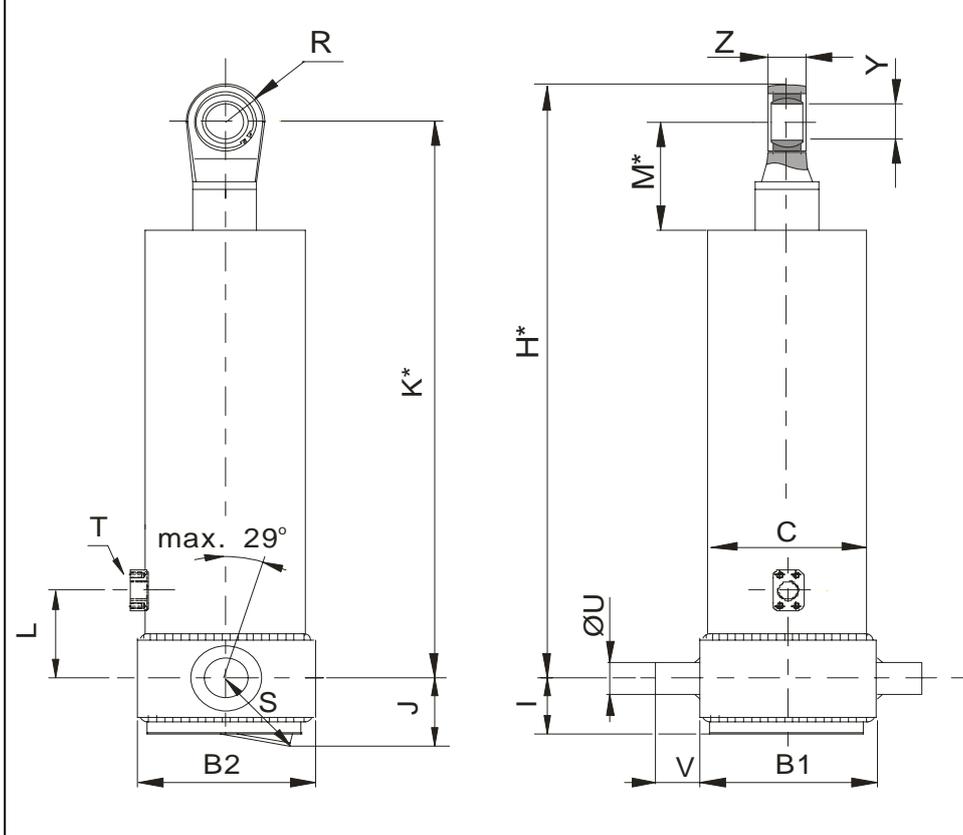
49-84 ton

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closed length (K)

1522-1557 mm

front & side view cylinder



	1	2	
A			mm
B	245	248	mm
C	214		mm
D			mm
E			mm
F			mm
G*			mm
H*	1580		mm
I	70		mm
J	116		mm
K*	1527		mm
L	290		mm
M*	100		mm
N			mm
O			mm
P			mm
Q			mm
R	53		mm
S	139		mm
T	1" SAE		
U	60		mm
V	65		mm
W			mm
X			mm
Y	50		mm
Z	42		mm

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

specifications

weight cylinder only	281 kg
total volume	122 L
working volume	113 L
maximum pressure	190 bar
maximum pump flow	190 L/min
maximum cylinder angle to front	30 °
maximum thrust first stage**	40 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]	191	169	149	129	110					total
stroke [mm]	1220	1240	1240	1240	1240					6180

tipping weight

tipping weight at maximum pressure of 190 bar and C is 158 mm

BL (body length); OH (rear overhang); X=Ycog (vert. pos. centre of gravity); Qo (pivot length); C (bracket length); At = stroke x 60 / Qo	BL	8200			7850			7500		
	OH	200	500	800	200	500	800	200	500	800
At	45	47	49	47	50	52	50	52	55	
Ycog	600	49	53	58	51	55	61	53	58	65
	900	53	57	63	55	60	67	57	64	73
	1200	56	62	70	59	66	76	63	72	84

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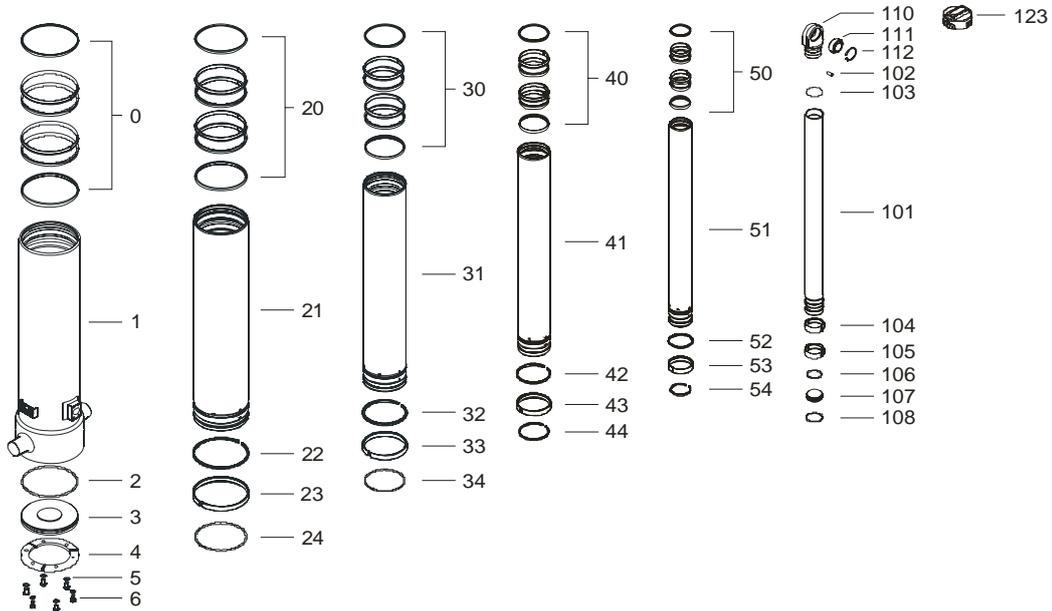
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Spare part list

Pos	Part no.	Description	Qty.
0	71802214 K	PACKSET 214	01
1	72508442	BASE 214-1487-4/4SAE-290	01
2	71870045 K	SEAL BOTTOM PLATE 214	01
3	71821214	BOTTOM PLATE 214	01
4	71820214	LOCKING PLATE 214	03
5	01732523 K	SPRING WASHER M12 SET	01
6	01732020 K	BOLT M12 X 1.25 X 25 SET	01

20	71802191 K	PACKSET 191	01
21	72607440	STAGE 191-1440	01
22	71811191 K	STOPRING OUTER 191	01
23	71807191 K	SLIDER 191	01
24	71813191 K	LIFTRING 191	01

30	71802169 K	PACKSET 169	01
31	72606440	STAGE 169-1440	01
32	71811169 K	STOPRING OUTER 169	01
33	71807169 K	SLIDER 169	01
34	71813169 K	LIFTRING 169	01

40	71802149 K	PACKSET 149	01
41	72605440	STAGE 149-1440	01
42	71811149 K	STOPRING OUTER 149	01
43	71807149 K	SLIDER 149	01
44	71812149 K	LIFTRING 149	01

Seal kit complete:

Part no.	Description
71901750 K	Seal kit complete: consists of all packsets with packset grease, O-rings and Pin (pos.102)

Spare part list

Pos	Part no.	Description	Qty.
50	71802129 K	PACKSET 129	01
51	72604440	STAGE 129-1440	01
52		NOT APPLICABLE	
53	71807129 K	SLIDER 129 (2 X 1/2)	02
54	71812129 K	LIFTRING 129	01

101	72403441	PISTON S 110-1445-HC	01
102	71875010	PIN ROUND HEAD GROOVED 6x15 mm	01
103	71870120 K	O-RING PISTON TOP 110	01
104	71807110 K	SLIDER 110 (2 X 1/2)	01
105	71807110 K	SLIDER 110 (2 X 1/2)	01
106	71870220	O-RING PISTON BOTTOM 110	01
107	71822110	BOTTOM PLATE PISTON 110	01
108	71814110	SNAPRING FOR PISTON 110	01
110	71835110	PISTON EYE SPH. 110 MACHINED	01
111	71875450	SPHERICAL EYE D.50 MAINT. FREE	01
112	01770560	CIRCLIP GE 50 DO	01
123	71838970	DUST COVER FE 191-214 YELLOW COLOUR	01