

Specifications

Max. working pressure	250 bar
Weight	141 kg
Working volume	38 L
Total volume	43 L
Max. cyl. load (start tipping)	195 kN

Max. pump flow

With KO ¹	122 L/min
Without KO ¹	86 L/min
With KO ¹ below -20°C	85 L/min
Without KO ¹ below -20°C	60 L/min

Tipping time

With KO ¹	19 sec
Without KO ¹	27 sec
With KO ¹ below -20°C	27 sec
Without KO ¹ below -20°C	39 sec
Allowable lowering time	19 sec

Extension	1	2	3	4	5	6	7	Total
Effective diameter [mm]	129	110	91	72				4660
Stroke* [mm]	1150	1170	1170	1170				

Technical notes

- This cylinder is a lifting device only.
- It should not be used as a structural member and should not be subjected to side loads.
- Tipping valve must have a pressure relief at the cylinder port set not higher than max. working pressure.
- Verify max. cyl. load.
- Working temperature range is between -40°C and +80°C.
- Max. duration of extension is 0.5 hours (excluded hard chromed stages).
- Cylinder is painted black (RAL9005) with a min. thickness conforming to the 480 hours neutral salt spray test as per ISO 9227.
- ¹ Hyva knock-off.

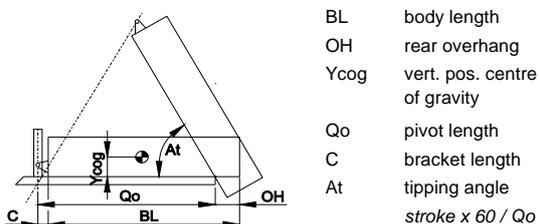
Related documentation

Bracket options: 015BRA13

Mounting instructions: CYL-0032

Oil specifications: OIL-0011
Spec sheet explanation: CYL-0041

Tipping weight

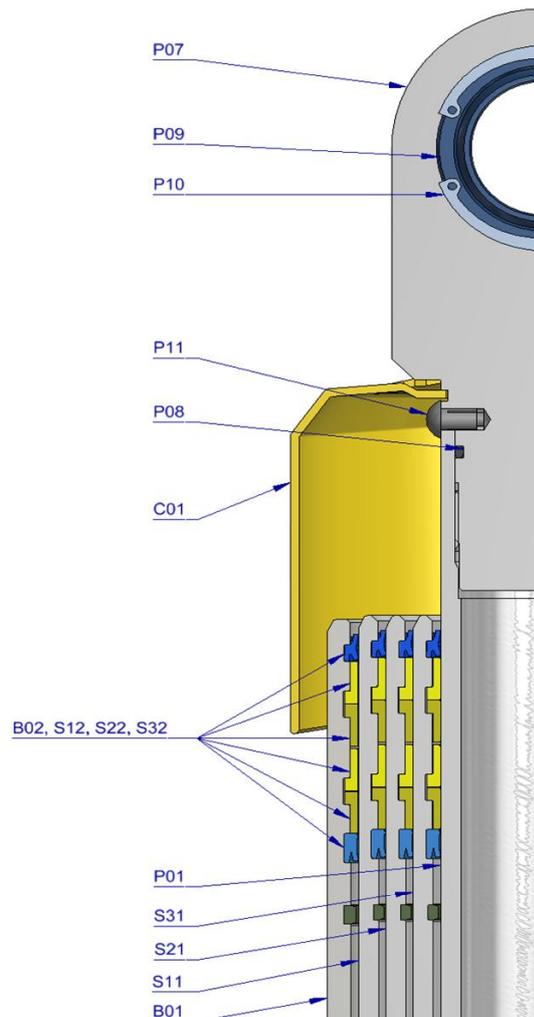


BL [mm]	6200			6000			5800		
OH [mm]	200	500	800	200	500	800	200	500	800
At [°]	45	48	51	47	50	53	49	52	55
Ycog [mm]									
600	28	31	36	29	33	38	30	34	40
900	31	35	41	32	36	44	33	38	47
1200	34	39	48	35	42		37	45	

Tipping weight [ton] at maximum pressure of 250 bar for a vertically mounted cylinder and C is 158 mm

For detailed tipping calculations please refer to: <https://tipper.hyva.com>

Pos.	Part no.	Description	Qty.
C01	71839111	DUST COVER FE 129-4/137-4	1
P01	74401371	PISTON FL2 S 072-1365-HC	1
P02	71853072 K	SLIDER FL 072 (2 X 1/2) A22	2
P04	71822072	BOTTOM PLATE PISTON FL 072	1
P05	01745026 K	CIRCLIP 63 DIN 472 (67.2x2.0)	1
P06	71870210 K	O-RING PISTON BOTTOM 072	1
P07	71847100	PISTON EYE SPH. FL 072 MK2 L=075	1
P08	01226420 K	O-RING 53.57 X 3.53 MM	1
P09	71875450 K	SPHERICAL BEARING D.50.3 MAINT. FREE	1
P10	01770560 K	CIRCLIP 75 DIN 472 (79.5x3.0)	1
P11	71875012	PIN ROUND HEAD GROOVED 8x15 mm	2

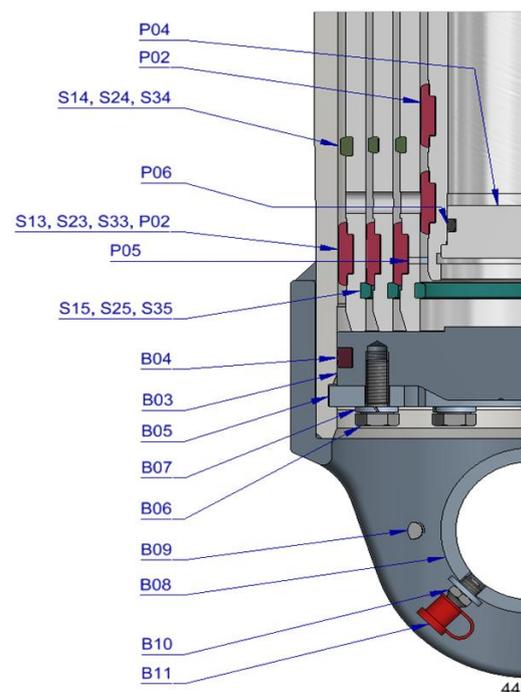


S31	74602370	STAGE FL2 091-1360	1
S32	71802091 K	PACKSET FL 091	1
S33	71853091 K	SLIDER FL 091 (2 X 1/2) A22	1
S34	71851091 K	OUTER STOPRING FL 091 A22	1
S35	71852091 K	LIFTRING FL 091 A22	1

S21	74603370	STAGE FL2 110-1360	1
S22	71802110 K	PACKSET FL 110	1
S23	71853110 K	SLIDER FL 110 (2 X 1/2) A22	1
S24	71851110 K	OUTER STOPRING FL 110 A22	1
S25	71852110 K	LIFTRING FL 110 A22	1

S11	74604370	STAGE FL2 129-1360	1
S12	71802129 K	PACKSET FL 129/HP 129	1
S13	71853129 K	SLIDER FL 129 (2 X 1/2) A22	1
S14	71851129 K	OUTER STOPRING FL 129 A22	1
S15	71852129 K	LIFTRING FL 129 A22	1

B01	74505382	BASE FL2 E 149-1399-4/4BSAE-330-O194	1
B02	71802149 K	PACKSET FL 149/HP 150	1
B03	71825420	BOTTOM PLATE FL2 149	1
B04	71870030 K	SEAL BOTTOM PLATE FL 149	1
B05	71820149	LOCKING PLATE FL 149	3
B06	01732055 K	BOLT HEX M8X20X1.25 SET 6 PCS	1
B07	01732559 K	WASHER SPRING M8 SET 6 PCS	1
B08	01793041	EYE TRUNNION TUBE (63-52.5) L=194	1
B09	01746121 K	BOLT LOCKING M8x25 DIN 7991	1
B10	56288044 K	GREASE NIPPLE M8x1 DIN 71412	2
B11	01317670 K	GREASER PROTECTION CAP	2



Seal kit complete

	71908440 K	Consists of all packsets with packset grease and O-rings	
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Notes

The inner stopring is pre-mounted in the grooves on spare bases and stages. Therefore, when ordering new tubes, it is not required to order inner stoprings separately.