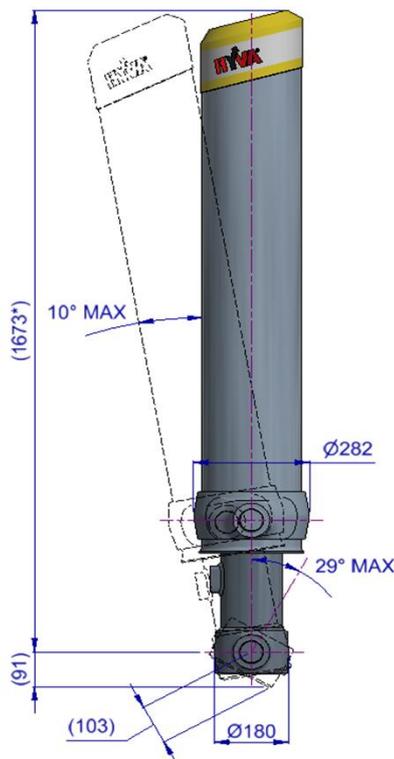


* incl. 20 [-5; +30] mm pull out



3D model is available on request

Specifications

Max. working pressure	250 bar
Weight	221 kg
Working volume	43 L
Total volume	47 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	21 sec
Without KO ¹	30 sec
With KO ¹ below -20°C	30 sec
Without KO ¹ below -20°C	43 sec
Allowable lowering time	21 sec

Extension	1	2	3	4	5	6	7	Total
Effective diameter [mm]	129	110	91	72				5180
Stroke* [mm]	1280	1300	1300	1300				

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.

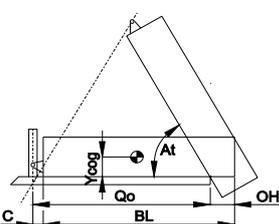
Related documentation

Bracket options: 015BRA10 & 015BRA12

Mounting instructions: CYL-0030

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

Tipping weight



BL	body length
OH	rear overhang
Ycog	vert. pos. centre of gravity
Qo	pivot length
C	bracket length
At	tipping angle
	stroke x 60 / Qo

BL [mm]	6900			6600			6300		
OH [mm]	200	500	800	200	500	800	200	500	800
At [°]	44	47	49	47	49	52	49	52	55
Ycog [mm]									
600	28	31	34	29	32	36	30	34	39
900	30	34	38	32	36	41	33	38	45
1200	33	37	43	34	40	47	37	43	

Tipping weight [ton] at maximum pressure of 250 bar for a vertically mounted cylinder and C is 178 mm

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

Alpha series - Front end cylinder with outer cover

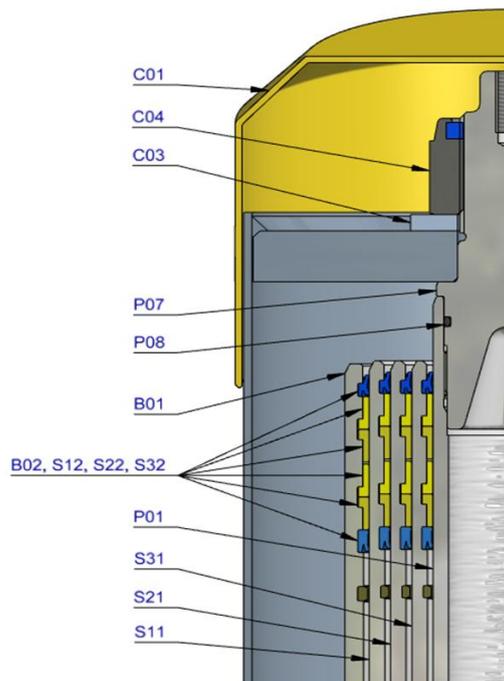


FC A129-4-05180-000-K0343

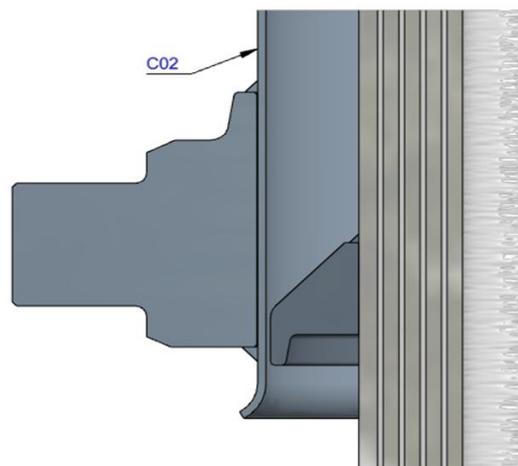
Item no.

70524410

Pos.	Part no.	Description	Qty.
C01	71839030	DUST COVER FC LOW 15-241	1
C02	71709538	COVER 241-1315 PIN60 A340 FIX	1
C03	01702956 K	WASHER M48 DIN 125B ZP	1
C04	01702907 K	TOPNUT NYLOC M48x3 DIN 985 ZP	1
P01	74401511	PISTON FL2 S 072-1515-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	71848100	PISTON HEAD FL 072 MK2	1
P08	01226420 K	O-RING 53.57 X 3.53 MM	1

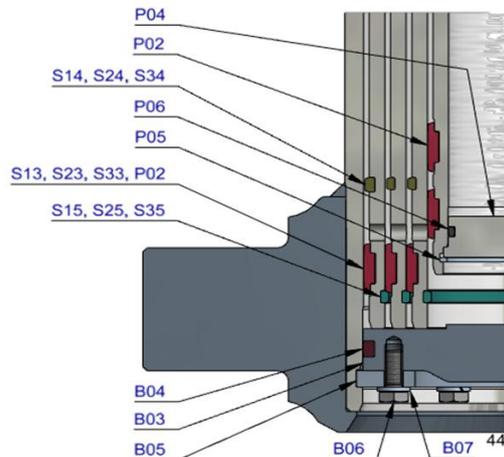


S31	74602510	STAGE FL2 091-1510	1
S32	71802091 K	PACKSET FL 091	1
S33	71853091 K	SLIDER FL 091 (2 X 1/2) A22	1
S34	71851091 K	OUTER STOPRING FL 091 A22	1
S35	71852091 K	LIFTRING FL 091 A22	1



S21	74603510	STAGE FL2 110-1510	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	74604510	STAGE FL2 129-1510	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	74505510R1215	BASE FL2 149-1549-4/4BSAE-190-C242	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

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.

For repair instructions see: CYL-0040. Serial no. is located on type plate and near type plate support.