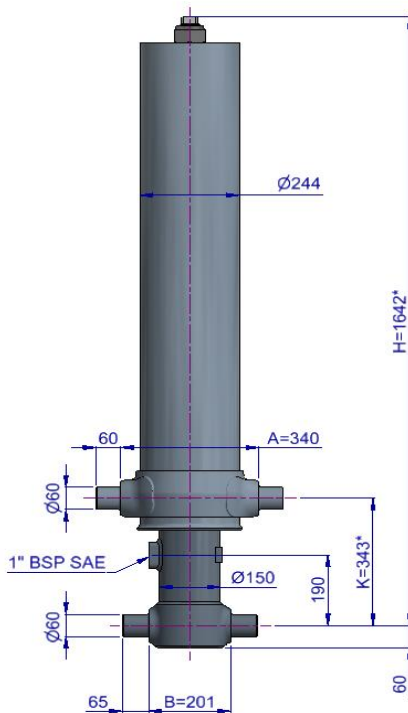
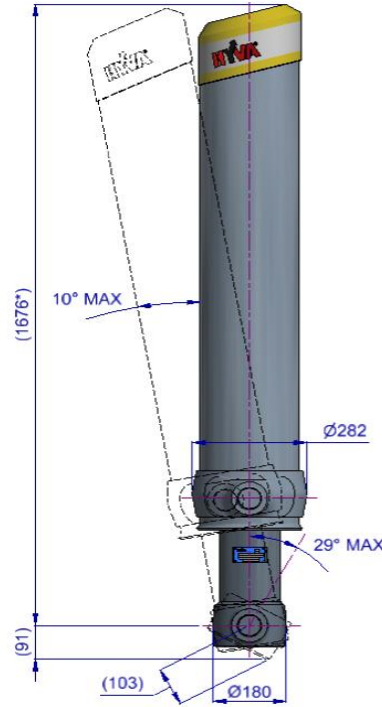




* incl. 20 [-5; +30] mm pull out



3D model is available on request or www.hyva.com

Specifications		Max. pump flow		Tipping time	
Max. working pressure	250 bar	With KO ¹	122 L/min	With KO ¹	21 sec
Weight	229 kg	Without KO ¹	86 L/min	Without KO ¹	30 sec
Working volume	43 L	With KO ¹ below -20°C	85 L/min	With KO ¹ below -20°C	30 sec
Total volume	47 L	Without KO ¹ below -20°C	60 L/min	Without KO ¹ below -20°C	43 sec
Max. cyl. load (start tipping)	195 kN			Allowable lowering time	21 sec
Max. cyl. load (end of stroke) ²	102 kN				
Max. cyl. load (end of stroke) ³	119 kN				

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. • ² Unsubstantial unloading (sticky load). • ³ Substantial unloading.

Related documentation

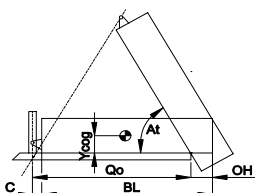
Bracket options:	015BRA10 & 015BRA12
Mounting instructions:	CYL-0030
Oil specifications:	OIL-0011
Spec sheet explanation:	CYL-0041

Configuration

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

Tipping weight

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

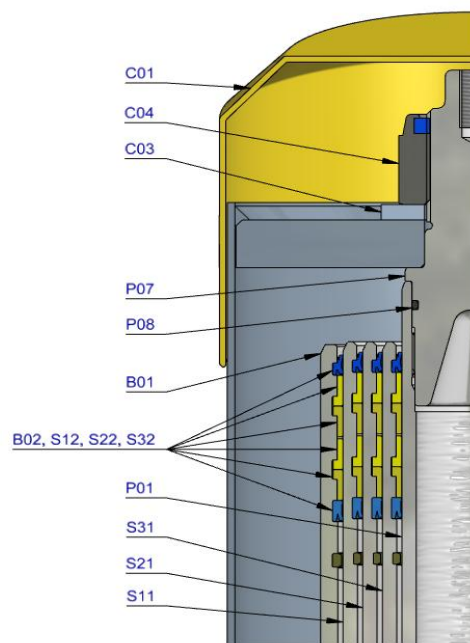


BL body length
OH rear overhang
Ycog vert. pos. centre
of gravity
Qo pivot length
C bracket length
At tipping angle
stroke x 60 / Qo

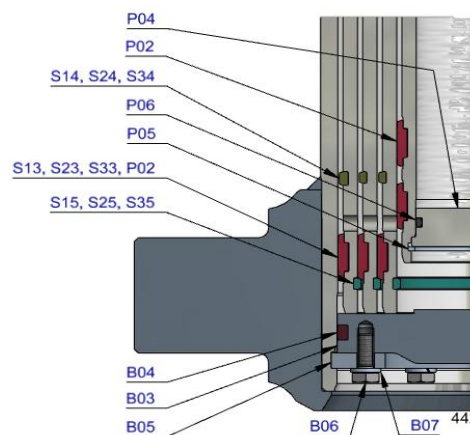
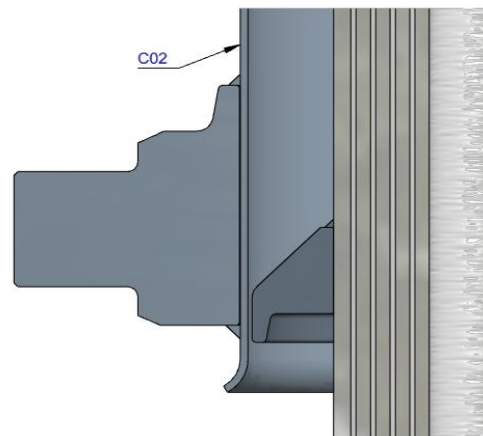
BL [mm]	6900				6600			6300	
OH [mm]	500	800			500	800	200	500	800
At [°]	47	49			49	52	49	52	55
Ycog [mm]									
600	28	31	34	29	32	36	30	34	39
900	30	34	38	32	36	41	33	38	45
1200	33	37	43	34	40	47	37	43	

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

Pos.	Part no.	Description	Qty.
C01	71839040	DUST COVER FC LOW 15-244	1
C02	71706541	COVER 242-1315 PIN60 A340 FIX	1
C03	01702956K	WASHER M48 DIN 125B ZP	1
C04	01702907K	TOPNUT NYLOC M48x3 DIN 985 ZP	1
P01	74461511	PISTON FL3 S 072-1515-HC	1
P02	71853072K	SLIDER FL 072 (2 X 1/2) A22	2
P04	71822072	BOTTOM PLATE PISTON FL 072	1
P05	01745026K	CIRCLIP 63 DIN 472 (67.2x2.0)	1
P06	71870210K	O-RING PISTON BOTTOM 072	1
P07	71848100	PISTON HEAD FL3 072	1
P08	01226420K	O-RING 53.57 X 3.53 MM	1



S31	74602510	STAGE FL2 091-1510	1
S32	71802091K	PACKSET FL 091	1
S33	71853091K	SLIDER FL 091 (2 X 1/2) A22	1
S34	71851091K	OUTER STOPRING FL 091 A22	1
S35	71852091K	LIFTRING FL 091 A22	1
S21	74603510	STAGE FL2 110-1510	1
S22	71802110K	PACKSET FL 110	1
S23	71853110K	SLIDER FL 110 (2 X 1/2) A22	1
S24	71851110K	OUTER STOPRING FL 110 A22	1
S25	71852110K	LIFTRING FL 110 A22	1
S11	74604510	STAGE FL2 129-1510	1
S12	71802129K	PACKSET FL 129/HP 129	1
S13	71853129K	SLIDER FL 129 (2 X 1/2) A22	1
S14	71851129K	OUTER STOPRING FL 129 A22	1
S15	71852129K	LIFTRING FL 129 A22	1
B01	74505512R1215	BASE FL2 149-1549-4/4BSAE-190-90-C242	1
B02	71802149K	PACKSET FL 149/HP 150	1
B03	71825420	BOTTOM PLATE FL2 149	1
B04	71870030K	SEAL BOTTOM PLATE FL 149	1
B05	71820149	LOCKING PLATE FL 149	3
B06	01732055K	BOLT HEX M8X20X1.25 SET 6 PCS	1
B07	01732559K	WASHER SPRING M8 SET 6 PCS	1



Seal kit complete

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

The inner stopring and piston bottom are pre-mounted on spare bases, stage and pistons. Therefore, when ordering new tubes, it is not required to order these parts separately.

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