

* 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	70 L/min	With KO ¹	37 sec
Weight	134 kg	With KO ¹ below -20°C	49 L/min	With KO ¹ below -20°C	53 sec
Working volume	43 L			Allowable lowering time	37 sec
Total volume	47 L				
Max. cyl. load (start tipping)	310 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. • 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 is required.

Related documentation

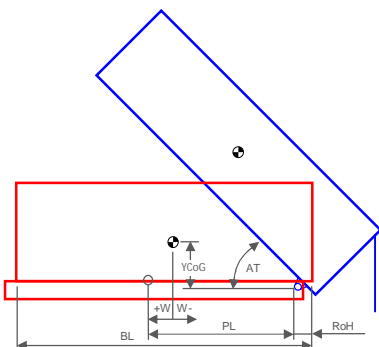
Cradle and bracket options:	015BRA19
Inlet adapters:	HPADAP02
Mounting instructions:	CYL-0043
Oil specifications:	OIL-0011
Spec sheet explanation:	CYL-0041

Configuration

Extension	1	2	3	4	5	6	7	8	9	10	11	Total
Effective diameter [mm]	214	191	169	149	129	110	93	77				2489
Stroke* [mm]	298	320	331	339	299	300	302	300				

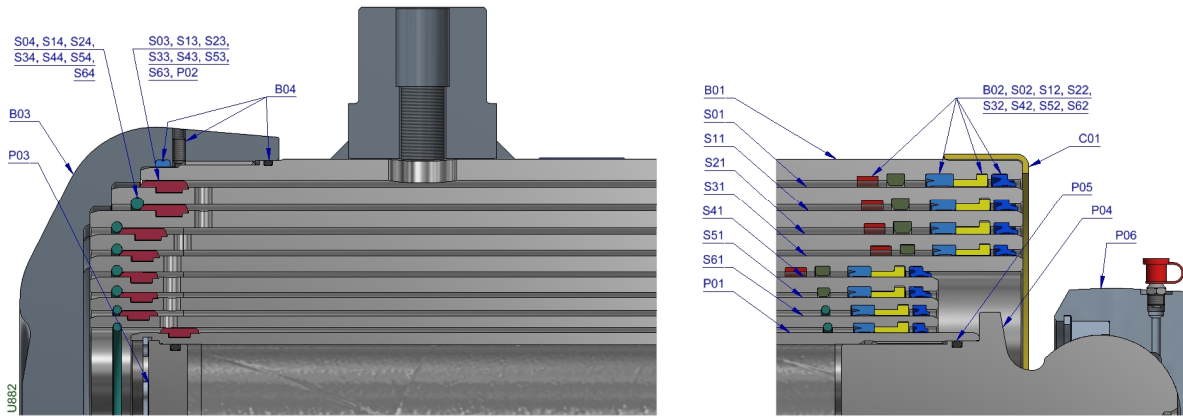
Tipping weight

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



BL	body length [mm]		7300		6950		6600				
W	cyl. w.r.t. CoG [mm]	0	100	200	0	100	200	0	100	200	
PL	pivot length [mm]	2950	3050	3150	2775	2875	2975	2600	2700	2800	
ROH	rear overhang [mm]		200			200			200		
YCOG	vert. pos. CoG [mm]		700			700			700		
At	tip. angle full stroke	51	49	47	54	52	50	57	55	53	
At	tip. angle at stage 93	45	43	41	47	46	44	50	48	46	
	tipping weight	25	26	26	27	27	27	29	29	29	

Tipping weight [ton] at maximum pressure of 250 bar for a vertically mounted cylinder.



Pos.	Part no.	Description	Qty.
P01	73426401	PISTON UH 077-0385-HC	1
P02	73203077K	SLIDER UL 077 (2 X 1/2) A35 L=18	1
P03	73202230	BOTTOM PLATE SET PISTON UL / UH 077	1
P04	73202030	SPHERE UH 75 FOR PISTON 077 FLANGED	1
P05	70260110K	O-RING 63.09 X 3.53 MM NBR 70 SHORE	1
P06	73202317K	RETAINER KIT UH SPH75	1

Pos.	Part no.	Description	Qty.
S41	73625401	STAGE UH 129-0388-HC	1
S42	73207129	PACKSET UH 129	1
S43	73203129	SLIDER FL 129 (2 X 1/2) A22-A35 L=18	1
S44	73110129	INNER STOPRING/LIFTRING UL 129	1

S31	73626523	STAGE UH 149-0428-HC-LT	1
S32	73207149	PACKSET UH 149	1
S33	73203149	SLIDER FL 149 A22-A35 L=18.3	1
S34	73110149	INNER STOPRING/LIFTRING UL 149	1

S21	73627521	STAGE UH 169-0428-HC	1
S22	73207169	PACKSET UH 169	1
S23	73203169	SLIDER FL 169 A22-A35 L=22.5	1
S24	71813169	LIFTRING FL 169x5	1

S11	73628525	STAGE UH 191-0428-HC-RS	1
S12	73207191	PACKSET UH 191	1
S13	73203191	SLIDER FL 191 A22-A35 L=22.5	1
S14	71813191	LIFTRING FL 191x5	1

S01	73629501	STAGE UH 214-0418-HC	1
S02	73207214	PACKSET UH 214	1
S03	73203214	SLIDER FL 214 A22-A35 L=22.5	1
S04	71813214	LIFTRING FL 214x6	1

B01	73528472	BASE UH 238-0404-N0271	1
B02	73207238	PACKSET UH 238	1
B03	73201238	THREADED BOTTOM UH 238	1
B04	73201738K	REPAIR KIT THREADED BOTTOM UH 238	1

C01	71838998	DUST COVER UM 214	1
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S61	73623401	STAGE UH 093-0388-HC	1
S62	73207093	PACKSET UH 093	1
S63	73203093	SLIDER UL 093 (2 X 1/2) A35 L=18	1
S64	73110093	INNER STOPRING/LIFTRING UL 093	1

S51	73624401	STAGE UH 110-0388-HC	1
S52	73207110	PACKSET UH 110	1
S53	73203110	SLIDER UL 110 (2 X 1/2) A22-A35 L=18	1
S54	73110110	INNER STOPRING/LIFTRING UL 110	1

Seal kit complete

73208078K	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-0044. Serial no. is located on type plate and above or below trunnion at inlet side.