

* 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	280 bar	With KO ¹	170 L/min	With KO ¹	24 sec
Weight	187 kg	With KO ¹ below -20°C	119 L/min	With KO ¹ below -20°C	34 sec
Working volume	69 L			Allowable lowering time	24 sec
Total volume	75 L				
Max. cyl. load (start tipping)	405 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

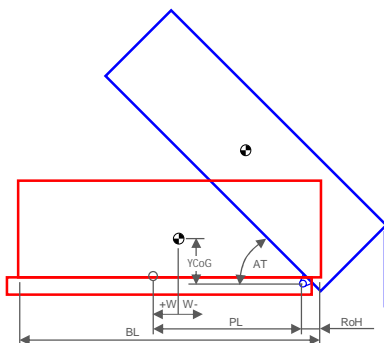
Cradle and bracket options:	015BRA19
Inlet adapters:	HPADAP02
Mounting instructions:	CYL-0043
Oil specifications:	OIL-0011
Spec sheet explanation:	CYL-0041

Configuration

Extension	1	2	3	4	5	6	7	8	9	10	11	Total
Effective diameter [mm]	191	169	149	129								3417
Stroke* [mm]	834	855	863	865								

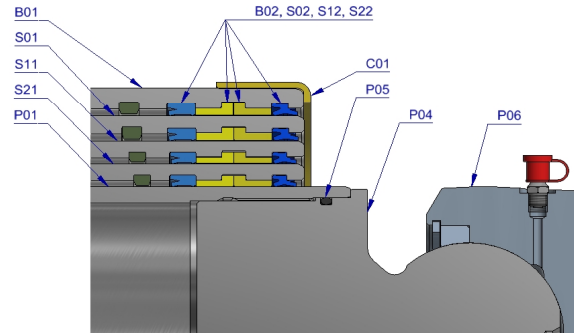
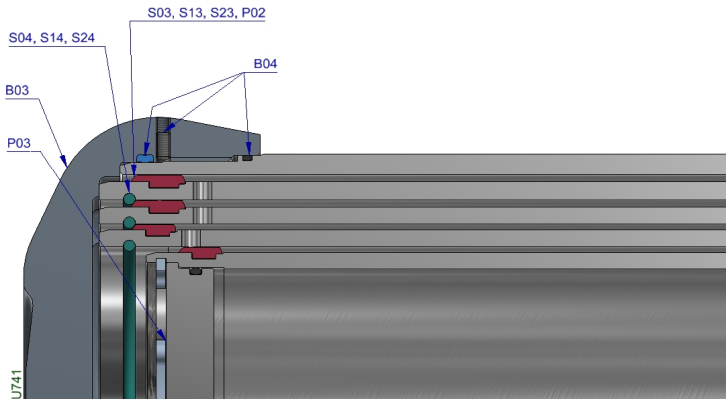
Tipping weight

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	69	67	65	74	71	69	79	76	73	
At	tip. angle at stage 149	52	50	49	56	53	52	59	57	55	
	tipping weight	41	41	41	41	41	41	41	41	41	

Tipping weight [ton] at maximum pressure of 280 bar for a vertically mounted cylinder.



Pos.	Part no.	Description	Qty.
P01	73429931	PISTON UH 129-0968-HC	1
P02	73203129K	SLIDER FL 129 (2 X 1/2) A22-A35 L=18	1
P03	71828129	BOTTOM PLATE SET PISTON FL 129	1
P04	73202065	SPHERE UH 80 FOR PISTON 129	1
P05	71870125K	O-RING 110.72 X 3.53 MM NBR 70 SHORE	1
P06	73202319K	RETAINER KIT UH SPH80	1

Pos.	Part no.	Description	Qty.
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S21	73626931	STAGE UH 149-0968-HC	1
S22	73207150	PACKSET UH 149 - LONG	1
S23	73203149	SLIDER FL 149 A22-A35 L=18.3	1
S24	73110149	INNER STOPRING/LIFTRING UL 149	1

S11	73627931	STAGE UH 169-0968-HC	1
S12	73207170	PACKSET UH 169 - LONG	1
S13	73203169	SLIDER FL 169 A22-A35 L=22.5	1
S14	71813169	LIFTRING FL 169x5	1

S01	73628931	STAGE UH 191-0968-HC	1
S02	73207192	PACKSET UH 191 - LONG	1
S03	73203191	SLIDER FL 191 A22-A35 L=22.5	1
S04	71813191	LIFTRING FL 191x5	1

B01	73527920	BASE UH 214-0959-N0405	1
B02	73207215	PACKSET UH 214 - LONG	1
B03	73201214	THREADED BOTTOM UH 214	1
B04	73201714K	REPAIR KIT THREADED BOTTOM UH 214	1

C01	71838997	DUST COVER UM 191	1
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Seal kit complete

73208164K	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.