

* 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	44 L/min	With KO ¹	23 sec
Weight	70 kg	With KO ¹ below -20°C	31 L/min	With KO ¹ below -20°C	33 sec
Working volume	17 L			Allowable lowering time	23 sec
Total volume	19 L				
Max. cyl. load (start tipping)	280 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

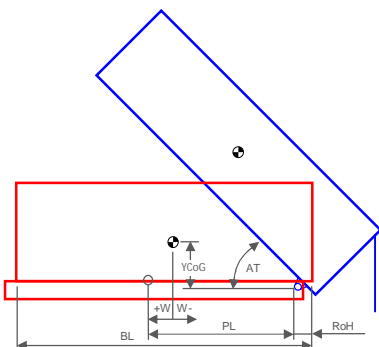
Cradle and bracket options:	015BRA19
Inlet adapters:	HPADAP02
Mounting instructions:	CYL-0043
Oil specifications:	OIL-0011
Spec sheet explanation:	CYL-0041

Configuration

Extension	1	2	3	4	5	6	7	8	9	10	11	Total
Effective diameter [mm]	169	149	129	110	93	77	61					1584
Stroke* [mm]	201	229	229	230	232	233	230					

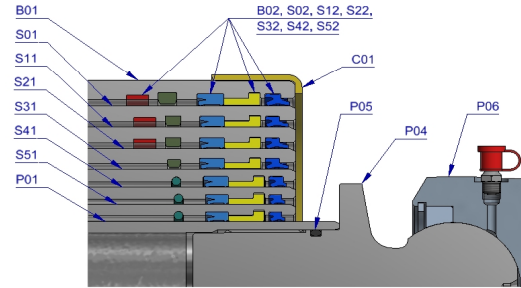
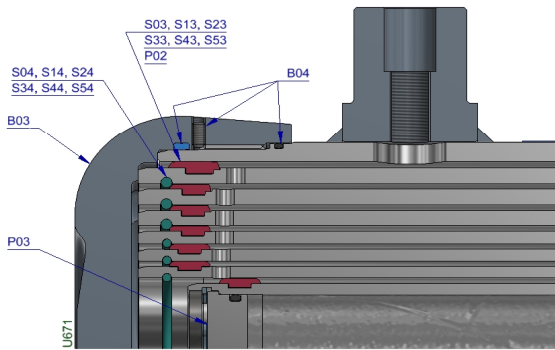
Tipping weight

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



BL	body length [mm]		5000		4750		4500						
W	cyl. w.r.t. CoG [mm]	0	100	200	0	100	200	0	100	200	0	100	200
PL	pivot length [mm]	2000	2100	2200	1875	1975	2075	1750	1850	1950			
ROH	rear overhang [mm]		200			200			200			200	
YCOG	vert. pos. CoG [mm]		500			500			500			500	
At	tip. angle full stroke	48	45	43	51	48	46	54	51	49			
At	tip. angle at stage 77	41	39	37	44	41	39	46	44	42			
	tipping weight	20	20	21	21	22	22	23	23	24			

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



Pos.	Part no.	Description	Qty.
P01	73425161	PISTON UH 061-0315-HC	1
P02	73203061K	SLIDER UL/MN 061 (2 X 1/2) A35 L=18	1
P03	73202220	BOTTOM PLATE SET PISTON UL / UH 061	1
P04	73202020	SPHERE UH 60 FOR PISTON 061 FLANGED	1
P05	01225650K	O-RING 44.04 X 3.53 MM NBR 70 SHORE	1
P06	73202311K	RETAINER KIT UH SPH60	1

Pos.	Part no.	Description	Qty.
S41	73623161	STAGE UH 093-0318-HC	1
S42	73207093	PACKSET UH 093	1
S43	73203093	SLIDER UL 093 (2 X 1/2) A35 L=18	1
S44	73110093	INNER STOPRING/LIFTRING UL 093	1

S31	73624161	STAGE UH 110-0318-HC	1
S32	73207110	PACKSET UH 110	1
S33	73203110	SLIDER UL 110 (2 X 1/2) A22-A35 L=18	1
S34	73110110	INNER STOPRING/LIFTRING UL 110	1

S21	73625161	STAGE UH 129-0318-HC	1
S22	73207129	PACKSET UH 129	1
S23	73203129	SLIDER FL 129 (2 X 1/2) A22-A35 L=18	1
S24	73110129	INNER STOPRING/LIFTRING UL 129	1

S11	73626161	STAGE UH 149-0318-HC	1
S12	73207149	PACKSET UH 149	1
S13	73203149	SLIDER FL 149 A22-A35 L=18.3	1
S14	73110149	INNER STOPRING/LIFTRING UL 149	1

S01	73627161	STAGE UH 169-0318-HC	1
S02	73207169	PACKSET UH 169	1
S03	73203169	SLIDER FL 169 A22-A35 L=22.5	1
S04	71813169	LIFTRING FL 169x5	1

B01	73526121	BASE UH 191-0309-N0197	1
B02	73207191	PACKSET UH 191	1
B03	73201191	THREADED BOTTOM UH 191	1
B04	73201691K	REPAIR KIT THREADED BOTTOM UH 191	1

S51	73622161	STAGE UH 077-0318-HC	1
S52	73207077	PACKSET UH 077	1
S53	73203077	SLIDER UL 077 (2 X 1/2) A35 L=18	1
S54	73110077	INNER STOPRING/LIFTRING UL077 / MN080	1

C01	71838996	DUST COVER UM 169	1
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Seal kit complete

73208057K	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.