

HYVA CYLINDER

714 06 521



type: UMB 169-4-1820-K265-50-3/4"-HC

tipping weight: 22-28 ton

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Stage diameters 169 149 129 110	front view cylinder		<table border="1"> <tr><td>A</td><td>230</td></tr> <tr><td>ØC</td><td>192</td></tr> <tr><td>G¹</td><td>706</td></tr> <tr><td>I</td><td>441</td></tr> <tr><td>K¹</td><td>265</td></tr> <tr><td>M¹</td><td>106</td></tr> <tr><td>ØP</td><td>110</td></tr> <tr><td>ØQ</td><td>75</td></tr> <tr><td>S</td><td>451</td></tr> <tr><td>ØW</td><td>50</td></tr> <tr><td>X</td><td>45</td></tr> </table>	A	230	ØC	192	G¹	706	I	441	K¹	265	M¹	106	ØP	110	ØQ	75	S	451	ØW	50	X	45
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¹including 20 mm pull-out [tol. -5; +30 mm]

²cylinder is delivered including oil inlet swivel adapter and cup

specifications

total stroke ¹	1820 mm
dry weight cylinder only	102 kg
total volume	30.6 L
working volume	28.4 L
maximum pressure	220 bar
maximum pump flow	143 l/min
maximum allowable thrust first stage ³	25.0 ton
oil inlet	3/4" BSP

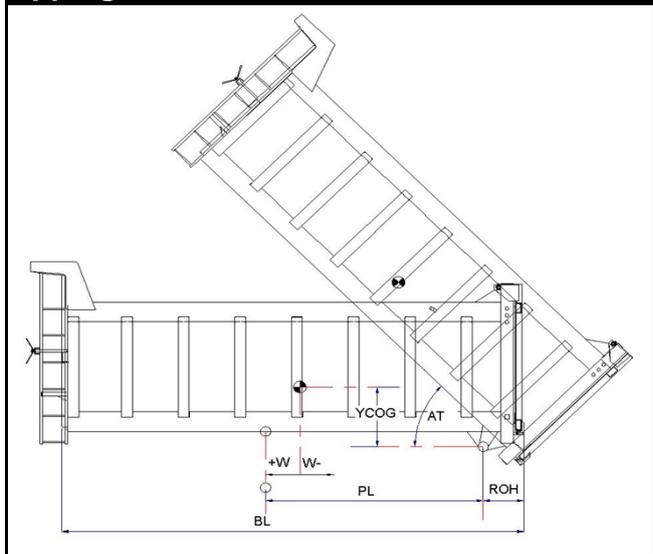
technical notes

This cylinder is a lifting device only and may not be used as a structural member or be subjected to side load. Sideload and/or poor alignment might result in cylinder leakage. Hyva therefore strongly recommends the use of a cradle, even in instances where the cylinder only tips to the rear or to the side. The cylinder is painted black RAL9005. For suitable hydraulic oils, please refer to data sheet OIL-0011. For details of available brackets and cradles, please refer data sheet 015BRA06.

Detailed calculations can be made using the HYVA Tipper Program, freely available from tipper.hyva.com.

³The cylinder thrust on the first stage (from the HYVA Tipper Program) must not exceed the maximum allowable (see specifications above).

tipping view



tipping weight

PL	2370			mm	2100		
YCOG	700			mm	700		
ROH	700			mm	700		
BL	6820	6140	5580	mm	6220	5600	5090
CYL w.r.t. COG (W)	-340	0	280	mm	-310	0	250
	Tipping weight for full stroke of 46°				Tipping weight for full stroke of 52°		
Tipping weight	22	25	28	ton	22	25	28
	Tipping weight for second last stage, up to 35°				Tipping weight for 2nd last stage, up to 39°		
Tipping weight	22	25	28	ton	22	25	28

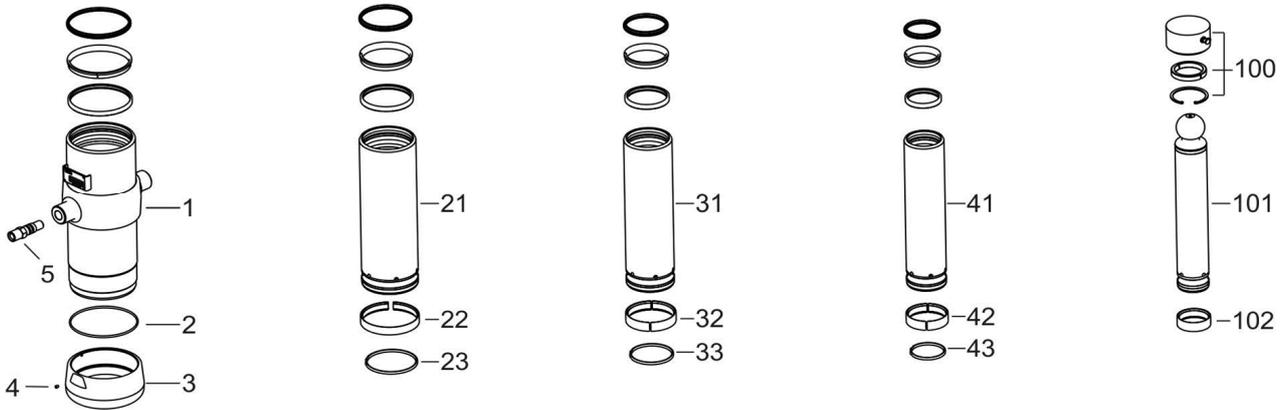
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type

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Spare part list			
Pos	Part no.	Description	Qty.
1	73507700	BASE 191-0572-N0159	1
2	01226780	O-RING 184 X 4 70 SHORE	1
3	73101050	THREADED BOTTOM UM 191	1
4	01792571	LOCKING SCREW M6X12 INT. HEX. DIN 916	1
5	73103002	OIL INLET ADAPTOR UM 3/4"OT+O-RING	1
21	73606701	STAGE 169-0572-HC	1
22	71807169 K	SLIDER FL 169	1
23	71813169 K	LIFTRING FL 169x5	1
31	73605701	STAGE 149-0572-HC	1
32	71807149 K	SLIDER FL 149	1
33	71812149 K	LIFTRING FL 149/HP 150	1
41	73604701	STAGE 129-0572-HC	1
42	71807129 K	SLIDER FL 129/GF 129 (2 X 1/2)	1
43	71812129 K	LIFTRING FL 129/HP 129	1

Spare part list			
Pos	Part no.	Description	Qty.
100	01745103	RETAINER KIT UMB D.75	1
101	73403701	PISTON B 110-0614-HC	1
102	71807110 K	SLIDER FL 110/GF 110 (2 X 1/2)	1

Seal kit complete	
Part no.	Description
719 04 641K	Complete packset: Consists of all packsets with packset grease and o-ring.