

# HYVA CYLINDER

714 07 781



type: UMB 191-5-2730-K270-60-3/4"-HC

tipping weight: 30-40 ton

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Stage diameters <b>191</b> <b>169</b> <b>149</b> <b>129</b> <b>110</b>	front view cylinder		<table border="1"> <tr><td>A</td><td>245</td></tr> <tr><td>ØC</td><td>215</td></tr> <tr><td>G¹</td><td>799</td></tr> <tr><td>I</td><td>529</td></tr> <tr><td>K¹</td><td>270</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>540</td></tr> <tr><td>ØW</td><td>60</td></tr> <tr><td>X</td><td>45</td></tr> </table>	A	245	ØC	215	G¹	799	I	529	K¹	270	M¹	106	ØP	110	ØQ	75	S	540	ØW	60	X	45
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<sup>1</sup>including 20 mm pull-out [tol. -5; +30 mm]

<sup>2</sup>cylinder is delivered including oil inlet swivel adapter and cup

## specifications

total stroke <sup>1</sup>	2730 mm
dry weight cylinder only	149 kg
total volume	53.5 L
working volume	49.7 L
maximum pressure	220 bar
maximum pump flow	143 l/min
maximum allowable thrust first stage <sup>3</sup>	32.0 ton
oil inlet	3/4" BSP

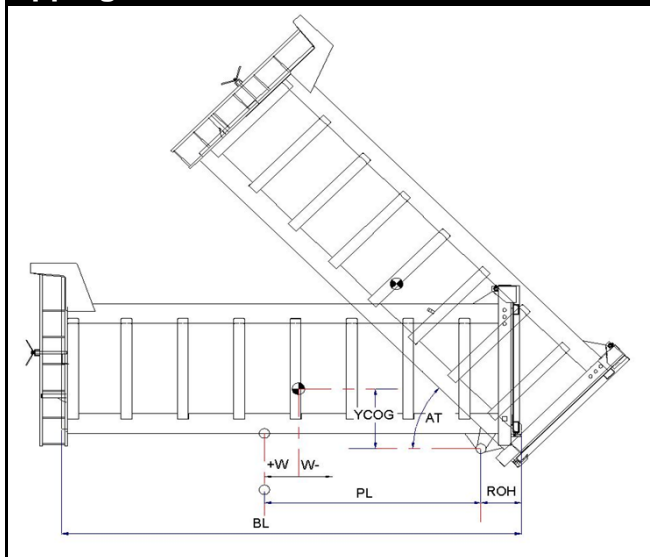
## technical notes

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](http://tipper.hyva.com).

<sup>3</sup>The 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	3560			mm	3150		
YCOG	700			mm	700		
ROH	700			mm	700		
BL	8520	7750	7100	mm	7700	7000	6420
CYL w.r.t. COG (W)	0	390	710	mm	0	350	640
	Tipping weight for full stroke of 46°				Tipping weight for full stroke of 52°		
Tipping weight	30	34	39	ton	32	36	40
	Tipping weight for second last stage, up to 37°				Tipping weight for 2nd last stage, up to 42°		
Tipping weight	32	36	40	ton	32	36	40

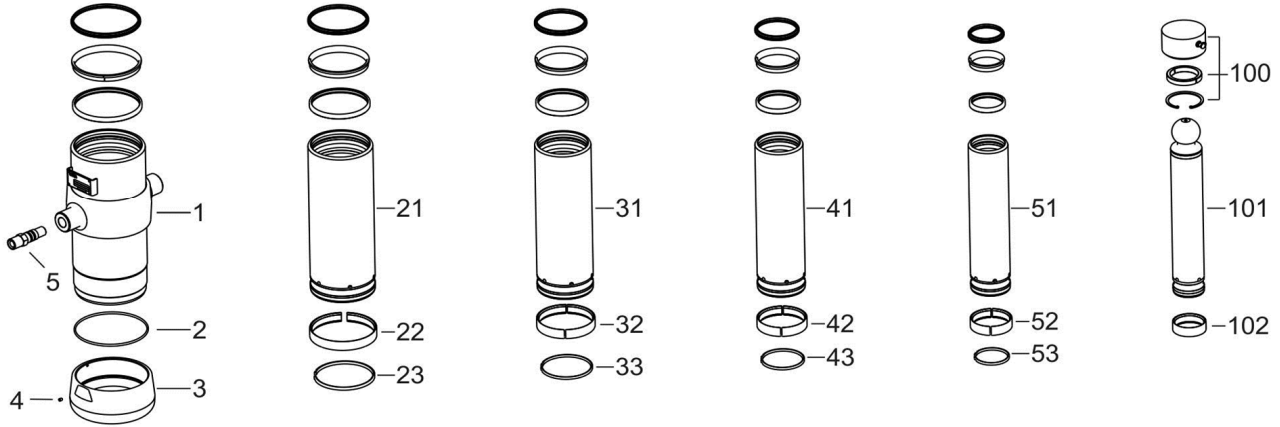
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Spare part list			
Pos	Part no.	Description	Qty.
1	73508804	BASE 214-0662-N0164	1
2	01226840	O-RING 208 X 4 70 SHORE	1
3	73101060	THREADED BOTTOM UM 214	1
4	01792571	LOCKING SCREW M6X12 INT. HEX. DIN 916	1
5	73103002	OIL INLET ADAPTOR UM 3/4"OT+O-RING	1
21	73607801	STAGE 191-0662-HC	1
22	71807191 K	SLIDER FL 191	1
23	71813191 K	LIFTRING FL 191x5	1
31	73606801	STAGE 169-0662-HC	1
32	71807169 K	SLIDER FL 169	1
33	71813169 K	LIFTRING FL 169x5	1
41	73605801	STAGE 149-0662-HC	1
42	71807149 K	SLIDER FL 149	1
43	71812149 K	LIFTRING FL 149/HP 150	1
51	73604801	STAGE 129-0662-HC	1
52	71807129 K	SLIDER FL 129/GF 129 (2 X 1/2)	1
53	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	73403801	PISTON B 110-0704-HC	1
102	71807110 K	SLIDER FL 110/GF 110 (2 X 1/2)	1

Seal kit complete	
Part no.	Description
719 04 751K	Complete packset: Consists of all packsets with packset grease and o-ring.