

# HYVA CYLINDER

714 06 367



type: UMB 169-5-1280-K265-50-3/4"-HC

tipping weight: 20-29 ton

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Stage diameters <b>169</b> <b>149</b> <b>129</b> <b>110</b> <b>91</b>	front view cylinder		<table border="1"> <tr><td>A</td><td>230</td></tr> <tr><td>ØC</td><td>192</td></tr> <tr><td>G<sup>1</sup></td><td>492</td></tr> <tr><td>I</td><td>227</td></tr> <tr><td>K<sup>1</sup></td><td>265</td></tr> <tr><td>M<sup>1</sup></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>246</td></tr> <tr><td>ØW</td><td>50</td></tr> <tr><td>X</td><td>45</td></tr> </table>	A	230	ØC	192	G <sup>1</sup>	492	I	227	K <sup>1</sup>	265	M <sup>1</sup>	106	ØP	110	ØQ	75	S	246	ØW	50	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>	1280 mm
dry weight cylinder only	78 kg
total volume	19.1 L
working volume	17.7 L
maximum pressure	220 bar
maximum pump flow	98 l/min
maximum allowable thrust first stage <sup>3</sup>	25.0 ton
oil inlet	3/4" BSP

## technical notes

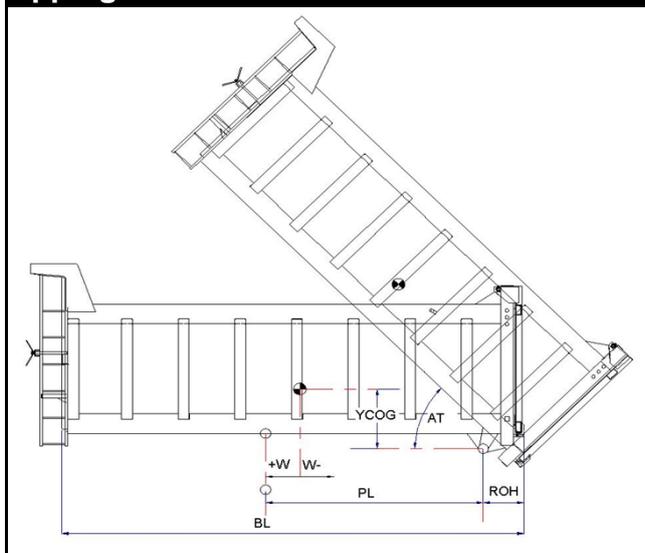
This cylinder is a lifting device only and may not be used as a structural member or be subjected to side load. Sideload and/or poor alignment might result in cylinder leakage. Hyva therefore strongly recommends the use of a cradle, even in instances where the cylinder only tips to the rear or to the 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](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	1670			mm	1480		
YCOG	700			mm	700		
ROH	700			mm	700		
BL	5270	4740	4310	mm	4840	4360	3960
CYL w.r.t. COG (W)	-260	0	220	mm	-240	0	200
	Tipping weight for full stroke of 46°				Tipping weight for full stroke of 52°		
Tipping weight	20	25	29	ton	21	25	29
	Tipping weight for second last stage, up to 37°				Tipping weight for 2nd last stage, up to 42°		
Tipping weight	22	25	29	ton	21	25	29

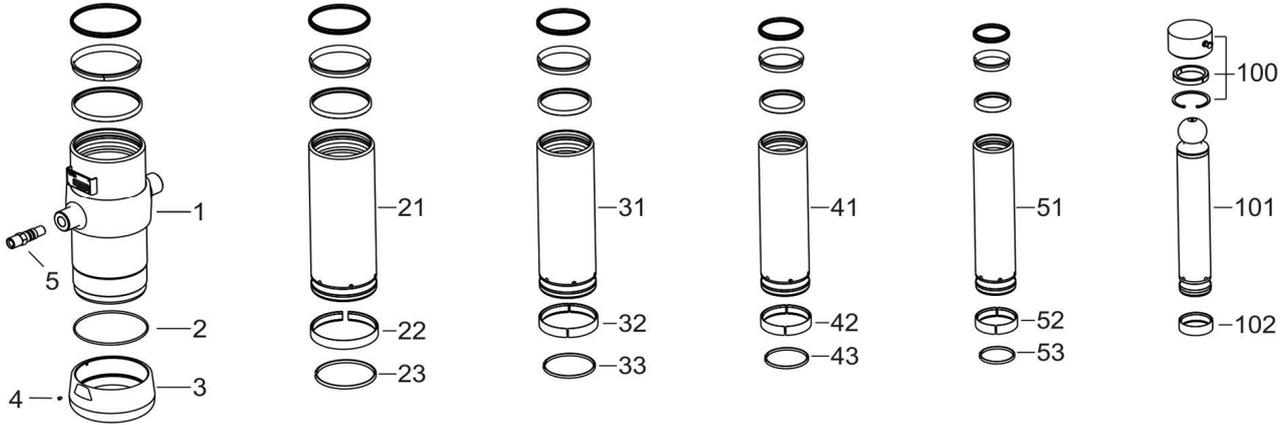
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## Spare part list

Pos	Part no.	Description	Qty.
1	73507200	BASE 191-0358-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	73606201	STAGE 169-0358-HC	1
22	71807169 K	SLIDER FL 169	1
23	71813169 K	LIFTRING FL 169x5	1
31	73605201	STAGE 149-0358-HC	1
32	71807149 K	SLIDER FL 149	1
33	71812149 K	LIFTRING FL 149/HP 150	1
41	73604201	STAGE 129-0358-HC	1
42	71807129 K	SLIDER FL 129/GF 129 (2 X 1/2)	1
43	71812129 K	LIFTRING FL 129/HP 129	1
51	73603201	STAGE 110-0358-HC	1
52	71807110 K	SLIDER FL 110/GF 110 (2 X 1/2)	1
53	71812110 K	LIFTRING FL 110	1

## Spare part list

Pos	Part no.	Description	Qty.
100	01745103	RETAINER KIT UMB D.75	1
101	73402201	PISTON B 091-0400-HC	1
102	71807091 K	SLIDER FL 091 (2 X 1/2)	1

## Seal kit complete

Part no.	Description
719 04 650K	Complete packset: Consists of all packsets with packset grease and o-ring.