

HYVA CYLINDER

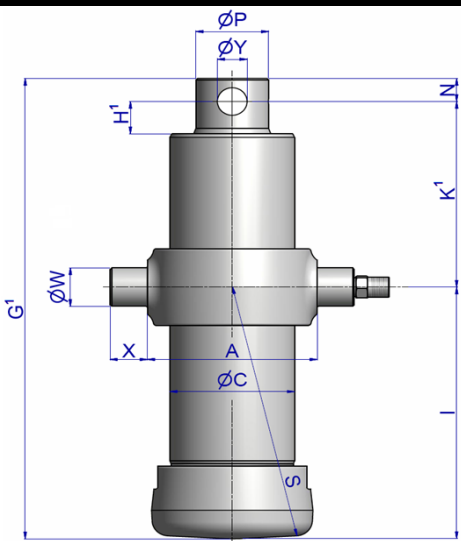
714 37 509



type: UME 191-6-1780-K226-60-3/4"-HC

tipping weight: 19-34 ton

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Stage diameters	front view cylinder	
191		A 245
169		ØC 215
149		G ¹ 521
129		I 265
110		K ¹ 226
91		H ¹ 62
		N 30
		ØP 88
		ØY 35.5
		S 286
		ØW 60
		X 45

¹including 20 mm pull-out [tol. -5; +30 mm]

²cylinder is delivered including oil inlet swivel adapter

specifications

total stroke ¹	1780 mm
dry weight cylinder only	105 kg
total volume	31.2 L
working volume	29.0 L
maximum pressure	220 bar
maximum pump flow	98 l/min
maximum allowable thrust first stage ³	30.0 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.

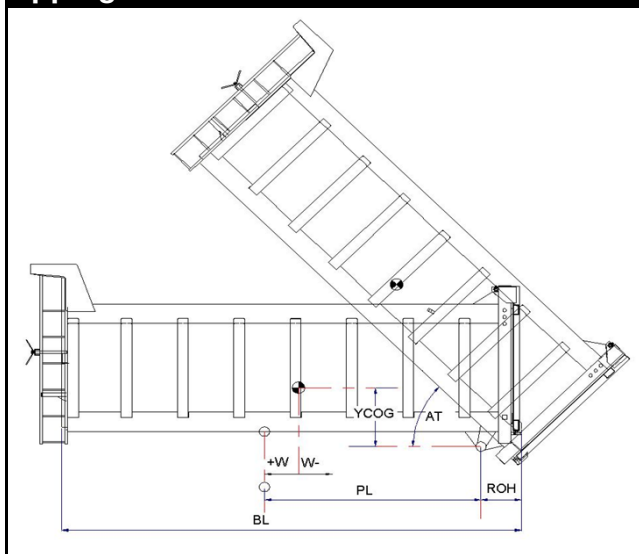
Hyva therefore strongly recommends the use of a cradle, even in instances where the cylinder only tips to the rear or to the side. The cylinder is painted black RAL9005.

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

AT	46			deg	52		
PL	2320			mm	2050		
YCOG	700			mm	700		
ROH	700			mm	700		
BL	6710	6040	5490	mm	6110	5500	5000
CYL w.r.t. COG (W)	-340	0	270	mm	-310	0	250
Tipping weight for full stroke of 46°				Tipping weight for full stroke of 52°			
Tipping weight	19	23	27	ton	21	26	31
Tipping weight for second last stage, up to 38°				Tipping weight for 2nd last stage, up to 43°			
Tipping weight	25	30	34	ton	26	30	34

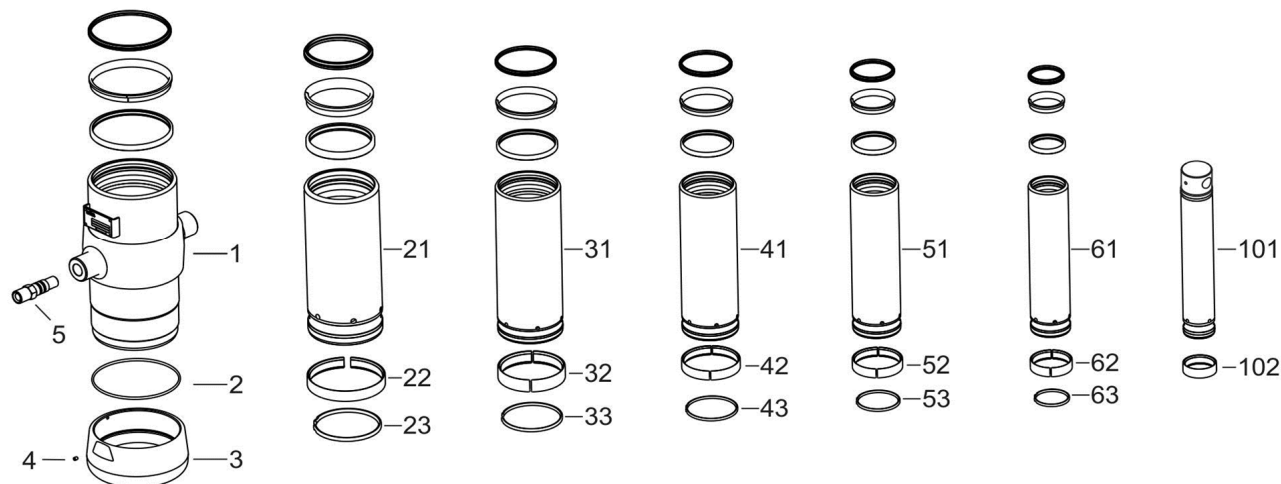
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type

UME 191-6-1780-K226-60-3/4"-HC

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Spare part list

Pos	Part no.	Description	Qty.
1	73508300	BASE 214-0398-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	73607301	STAGE 191-0398-HC	1
22	71807191 K	SLIDER FL 191	1
23	71813191 K	LIFTRING FL 191x5	1
31	73606301	STAGE 169-0398-HC	1
32	71807169 K	SLIDER FL 169	1
33	71813169 K	LIFTRING FL 169x5	1
41	73605301	STAGE 149-0398-HC	1
42	71807149 K	SLIDER FL 149	1
43	71812149 K	LIFTRING FL 149/HP 150	1
51	73604301	STAGE 129-0398-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.
61	73603301	STAGE 110-0398-HC	1
62	71807110 K	SLIDER FL 110/GF 110 (2 X 1/2)	1
63	71812110 K	LIFTRING FL 110	1
101	73432301	PISTON E 091-0440-HC	1
102	71807091 K	SLIDER FL 091 (2 X 1/2)	1

Seal kit complete

Part no.	Description
719 04 760K	Complete packset: Consists of all packsets with packset grease and o-ring.