HYVA CYLINDER

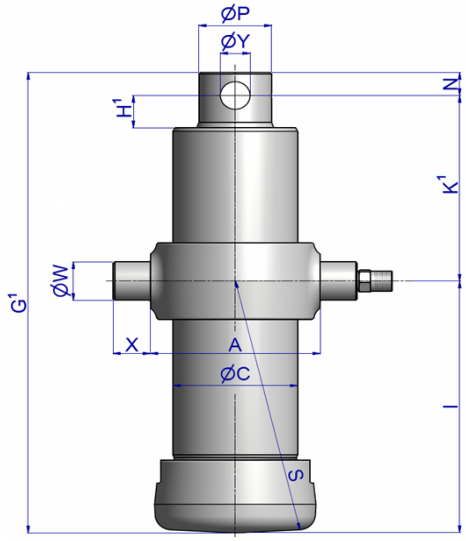
714 35 521

type: **UME 149-4-1820-K221-50-3/4˝-HC**

tipping weight: **17-28 ton**

Stage diameters
149
129
110
91

front view cylinder



A	205
ØC	170
G[1]	692
I	441
K[1]	221
H[1]	62
N	30
ØP	88
ØY	35.5
S	449
ØW	50
X	45

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

[2]cylinder is delivered including oil inlet swivel adapter

specifications

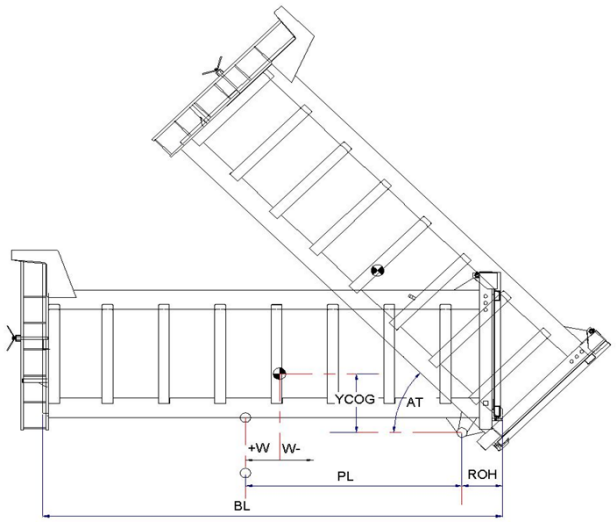
total stroke[1]	1820	mm
dry weight cylinder only	84	kg
total volume	23.0	L
working volume	21.2	L
maximum pressure	220	bar
maximum pump flow	98	l/min
maximum allowable thrust first stage[3]	25.0	ton
oil inlet	3/4˝	BSP

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 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.

[3]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

AT	**46**			**deg**	**52**		
PL	2370			**mm**	2100		
YCOG	600			**mm**	600		
ROH	600			**mm**	600		
BL	6600	5940	5400	**mm**	6000	5400	4910
CYL w.r.t. COG (W)	-330	0	270	**mm**	-300	0	250
	Tipping weight for full stroke of 46°				Tipping weight for full stroke of 52°		
Tipping weight	17	20	24	**ton**	19	22	26
	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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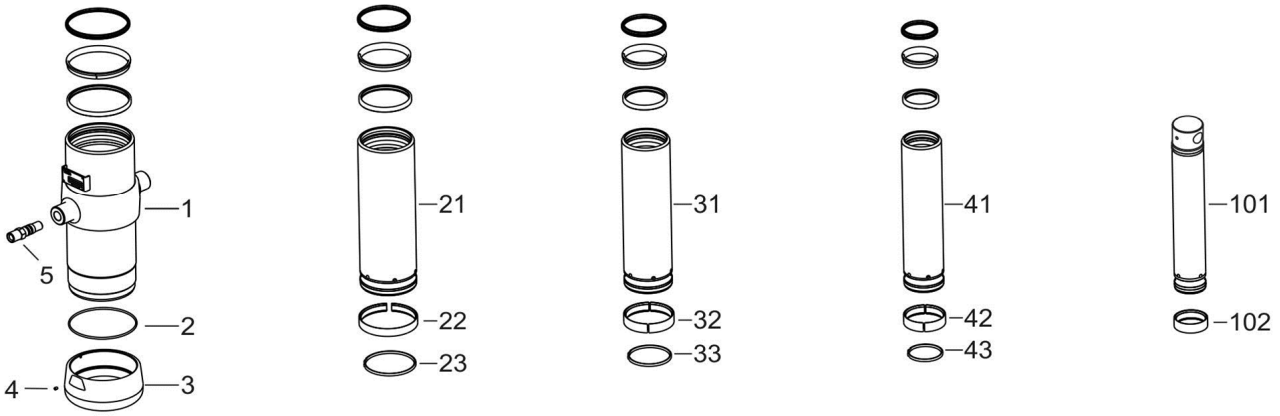

Spare part list

Pos	Part no.	Description	Qty.
1	73506700	BASE 169-0572-N0159	1
2	01226709	O-RING 165 X 4 NBR 70 SHORE	1
3	73101040	THREADED BOTTOM UM 169	1
4	01792571	LOCKING SCREW M6X12 INT. HEX. DIN 916	1
5	73103002	OIL INLET ADAPTOR UM 3/4"OT+O-RING	1
21	73605701	STAGE 149-0572-HC	1
22	71807149 K	SLIDER FL 149	1
23	71812149 K	LIFTRING FL 149/HP 150	1
31	73604701	STAGE 129-0572-HC	1
32	71807129 K	SLIDER FL 129/GF 129 (2 X 1/2)	1
33	71812129 K	LIFTRING FL 129/HP 129	1
41	73603701	STAGE 110-0572-HC	1
42	71807110 K	SLIDER FL 110/GF 110 (2 X 1/2)	1
43	71812110 K	LIFTRING FL 110	1

Spare part list

Pos	Part no.	Description	Qty.
101	73432703	PISTON E 091-0614-HC	1
102	71807091 K	SLIDER FL 091 (2 X 1/2)	1

Seal kit complete

Part no.	Description
719 04 541K	Complete packset: Consists of all packsets with packset grease and o-ring.

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