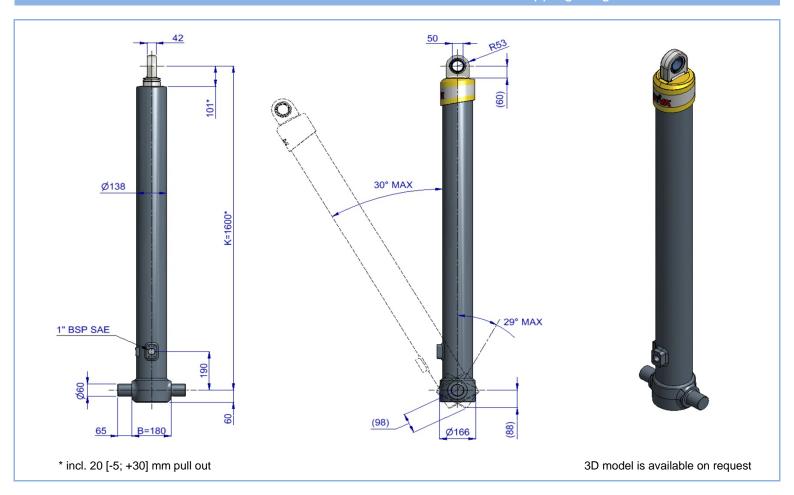
Alpha series - Front end cylinder with single eye

FE A118-3-03880-001-K1600

Tipping weight

33 - 57 tor



Specifications					
Max. working pressure	250 bar	Max. pump flow (with KO)	151 L/min	Resulting tipping time (with KO)	12 sec
Weight	125 kg	Max. pump flow (without KO)	106 L/min	Resulting tipping time (without KO)	17 sec
Working volume	30 L			Allowable lowering time	12 sec
Total volume	34 L			KO: Huya ppo	umatic knock off
Max. cyl. load (start tipping)	245 kN			KO. Hyva pile	uniane kiloek on

Extension 2 3 5 6 Total Effective diameter [mm] 118 99 80 Stroke* [mm] 1280 1300 1300

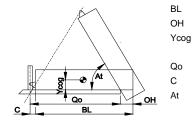
Technical notes

• This cylinder is a lifting device only. It should not be used as a structural member and should not be subjected to side loads. • When the cylinder is mounted at an angle, the maximum tipping weight could be reduced. ● Maximum backwards angle of rotation during operation is 29 deg. ● Working pressure depends on the application, but must never exceed the maximum working pressure stated. • Working temperature range is between -40°C and +80°C. • Maximum duration of extension is 0.5 hours (excluding hard chromed stages). • Cylinder is painted black (RAL9005) with a thickness conforming to the 480 hours neutral salt spray test as per ISO 9227 (ISO 10289, rating 9).

Related documentation

Bracket options: 015BRA10 & 015BRA13 Mounting instructions: CYL-0031 Oil specifications: OIL-0011

Tipping weight



body length rear overhang vert. pos. centre of gravity pivot length bracket length tipping angle stroke x 60 / Qo

BL		5100			4950			4800	
ОН	200	400	600	200	400	600	200	400	600
At	46	48	51	48	50	53	50	52	55
Ycog									
Ycog 400	33	36	39	34	36	40	34	37	41
_	33 36	36 39	39 44	34 37	36 41	40 45	34 38	37 42	41 48

Tipping weight at maximum pressure of 250 bar for a vertically mounted cylinder and C is 158 mm

For detailed tipping calculations please refer to: https://tipper.hyva.com

Alpha series - Front end cylinder with single eye

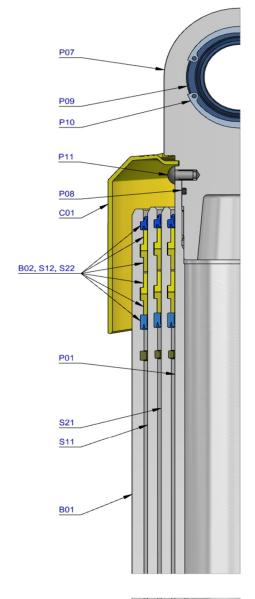


FE A118-3-03880-001-K1600

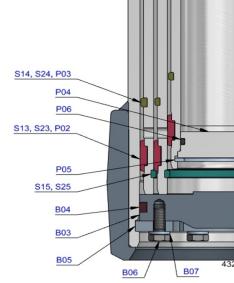
Item no.

70144230

Pos.	Part no.	Description	Qty.
C01	71839100	DUST COVER FE 110-3/118-3	1
P01 P02	70462511 70209300 K	PISTON MN2 S 080-1515-HC SLIDER MN 080 (2 x 1/2) A22	1 1
P03	70216080 K	OUTER STOPRING MN 080 A22	1
P04 P05	70224080 01745035 K	BOTTOM PLATE PISTON MN 080	1
P05	70260210 K	CIRCLIP 70 DIN 472 (74.5x2.5) O-RING PISTON BOTTOM 080	1
P07	70235300	PISTON EYE SPH. MN 080 MK2 L=075	1
P08	70260110 K	O-RING 63.09 X 3.53 MM	1
P09	71875450 K	SPHERICAL BEARING D.50 MAINT. FREE	1
P10	01770560 K	CIRCLIP 75 GE 50 DO DIN 472	1
P11	71875012	PIN ROUND HEAD GROOVED 8x15 mm	2



S21	70663510	STAGE MN2 099-1510	1
S22	70203099 K	PACKSET MN 099	1
S23	70209310 K	SLIDER MN 099 (2 x 1/2) A22	1
S24	70216099 K	OUTER STOPRING MN 099 A22	1
S25	70217099 K	LIFTRING MN 099 A22	1
044	70004540	OTA OF MNIO 440 4540	4
S11	70664510	STAGE MN2 118-1510	1
	70203118 K	PACKSET MN 118	1
	70209320 K	SLIDER MN 118 (2 x 1/2) A22	1
S14	70216118 K	OUTER STOPRING MN 118 A22	1
S15	70217118 K	LIFTRING MN 118 A22	1
B01	70365510	BASE MN2 137-1549-4/4BSAE-190	1
B02	70203137 K	PACKSET MN 137	1
B03	70225350	BOTTOM PLATE MN2 137	1
	70270137 K	SEAL BOTTOM PLATE MN 137	1
	70220137	LOCKING PLATE MN 137	3
B05	01732055 K	BOLT HEX M8X20X1.25 SET 6PCS	1
B07			1
807	01732559 K	WASHER SPRING M8 SET 6PCS	1



Seal kit complete

Ocar kit complete					
	71907430 K	Consists of all packsets with			
		packset grease and O-rings			

Notes

The inner, outer stoprings and liftrings are pre-mounted in the grooves on spare stages and pistons. Therefore, when ordering new tubes, it is not required to order stoprings separately.

For repair instructions see: CYL-0041. Serial no. is located on type plate and below type plate support.