Alpha series - Front end cylinder with single eye

FE A129-4-05460-001-K1670

Item no. 70544420

Tipping weight 21 - 37 ton

Specifications

- Max. working pressure: 190 bar
- Weight: 164 kg
- Working volume: 45 L
- Total volume: 50 L
- Max. cyl. load (start tipping): 195 kN
- Max. cyl. load (end of stroke): 51 kN

Max. pump flow

- With KO¹: 122 L/min
- Without KO¹: 86 L/min

Max. working pressure: 190 bar
- With KO¹ below -20°C: 85 L/min
- Without KO¹ below -20°C: 60 L/min

Weight: 164 kg
- Without KO¹ below -20°C: 86 L/min

Working volume: 45 L
- With KO¹ below -20°C: 22 sec
- Without KO¹ below -20°C: 31 sec

Total volume: 50 L
- Allowable lowering time: 22 sec

Max. cyl. load (start tipping): 195 kN
- Without KO¹ below -20°C: 44 sec

Max. cyl. load (end of stroke): 51 kN
- Without KO¹ below -20°C: 44 sec

Working temperature range is between -40°C and +80°C.

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.
- Tipping valve must have a pressure relief at the cylinder port set not higher than max. working pressure.
- Verify max. cyl. load.
- Working temperature range is between -40°C and +80°C. Max. duration of extension is 0.5 hours (excluded hard chromed stages).
- Cylinder is painted black (RAL9005) with a min. thickness conforming to the 480 hours neutral salt spray test as per ISO 9227.
- ¹ Hyva knock-off.
- ² Unsubstantial unloading (sticky load).
- ³ Substantial unloading.

Related documentation

Bracket options: 015BRA10 & 015BRA13

Mounting instructions: CYL-0031

Spec sheet explanation: CYL-0041

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

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### Description

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

For repair instructions see: CYL-0040. Serial no. is located on type plate and near type plate support.

**Seal kit complete**

Consists of all packsets with packset grease and O-rings.

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**Notes**

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