

TECHNICAL DATA



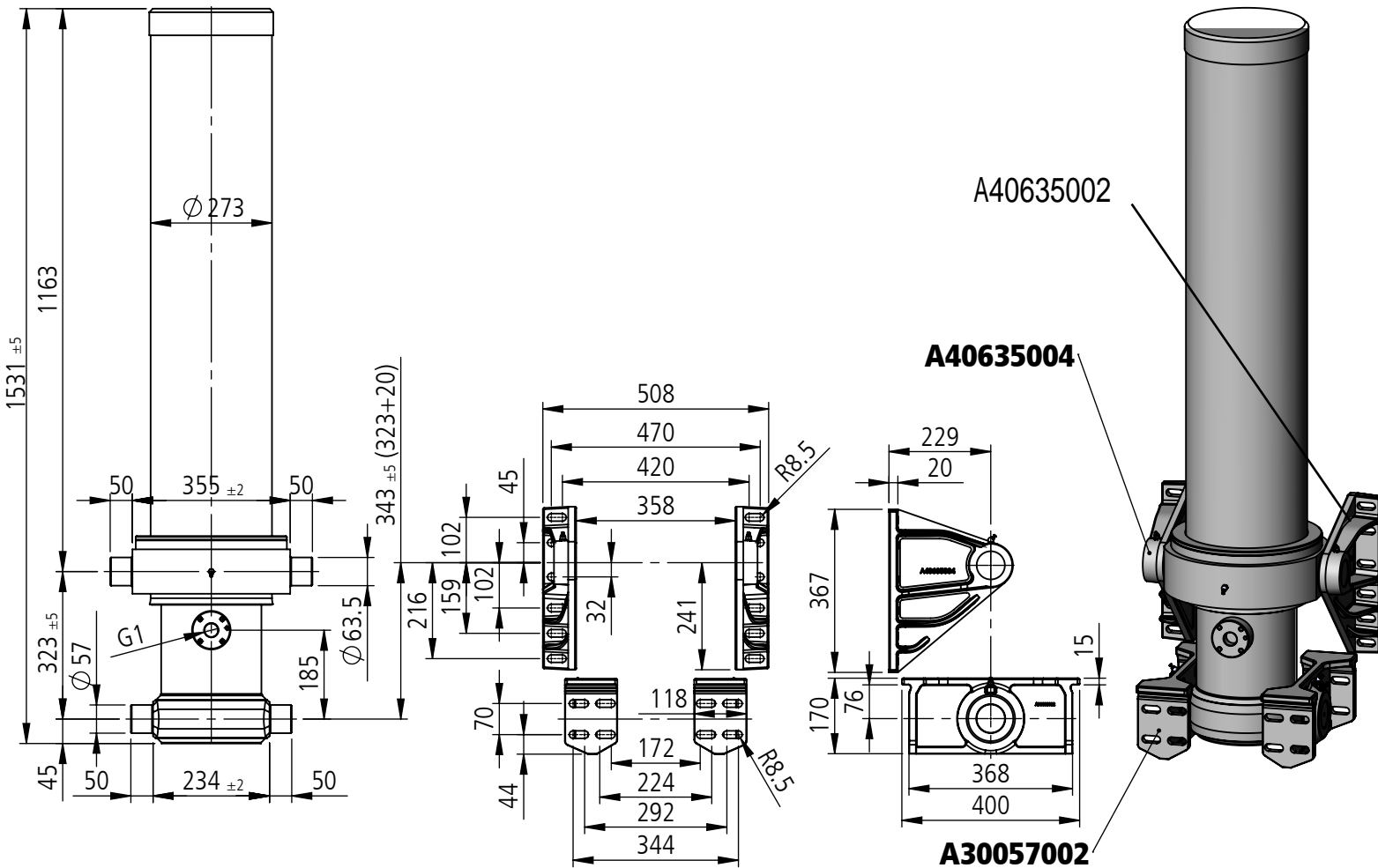
Front end cylinder with outer cover

Part Number

4213851744002W

Tipping weight

49-107 ton



mounting dimension	323 mm + 20 mm min pull out				total stroke	4310 mm	max pressure	220 bar		
model:	PFC 1385 4310 174 4				code:	4213851744002W		weight:	344 kg	1222 000970
extension	1	2	3	4	-	-	-	-	-	number of stages: 4
diameter [mm]	174	154	135	116	--	--	--	--	--	total: 4310 mm
stroke [mm]	1126	1131	1140	913	--	--	--	--	--	max thrust admitted: 265 kN
thrust [kN]	523	410	315	232	--	--	--	--	--	total: 76.3 dm³
oil [dm³]	26.8	21.1	16.3	12.1	--	--	--	--	--	

TECHNICAL NOTES AND SPECIFICATIONS

- The normal application of telescopic cylinder is to lift up tipping bodies, loaded with different materials, and consequently discharge this material whilst the cylinder is extended all along its stroke.
- The body weight plus the max payload are the max tipping weight that can be raised by the cylinder. This value, calculated at the max pressure, is a rough indication of the tipping power of the cylinder and must be used as a first criteria for the selection of the cylinder. The real tipping mass can only be calculated by the design engineer of the dump truck, and must take into account the geometry of the dump body and operating conditions. Never exceed the maximum thrust.
- Never exceed maximum pressure.
- The cylinder has been designed for loads along the longitudinal axis: the cylinder is a lifting device only and may not be used as structural member or be subject to side load.
- Chrome coating type CRN (40 h corrosion test ISO 9227-rating 9 ISO 10289 / minimum thickness: 15 µm) on rod stage Ø116.
- H.S.PENTA warranty does not apply to any kind of corrosion of coated or non-coated parts. See terms of warranty.
- Maximum extension speed less than 0.2 m/s.
- Hydraulic oil temperature admitted between -40°C and +100°C.
- In case the cylinders must be stored, do not remove the package. Store them in a dry place, not exposed to rain. Do not store the cylinders for more than 6 (six) months.
- Further specifications see mounting instructions, hydraulic oil specification sheet, user & maintenance manual.

REMARKS

[2013.05.08] [----,---,--]

Last stage Ø116 chromed (Elem. term. Ø116 cromato)

REVISIONS

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