



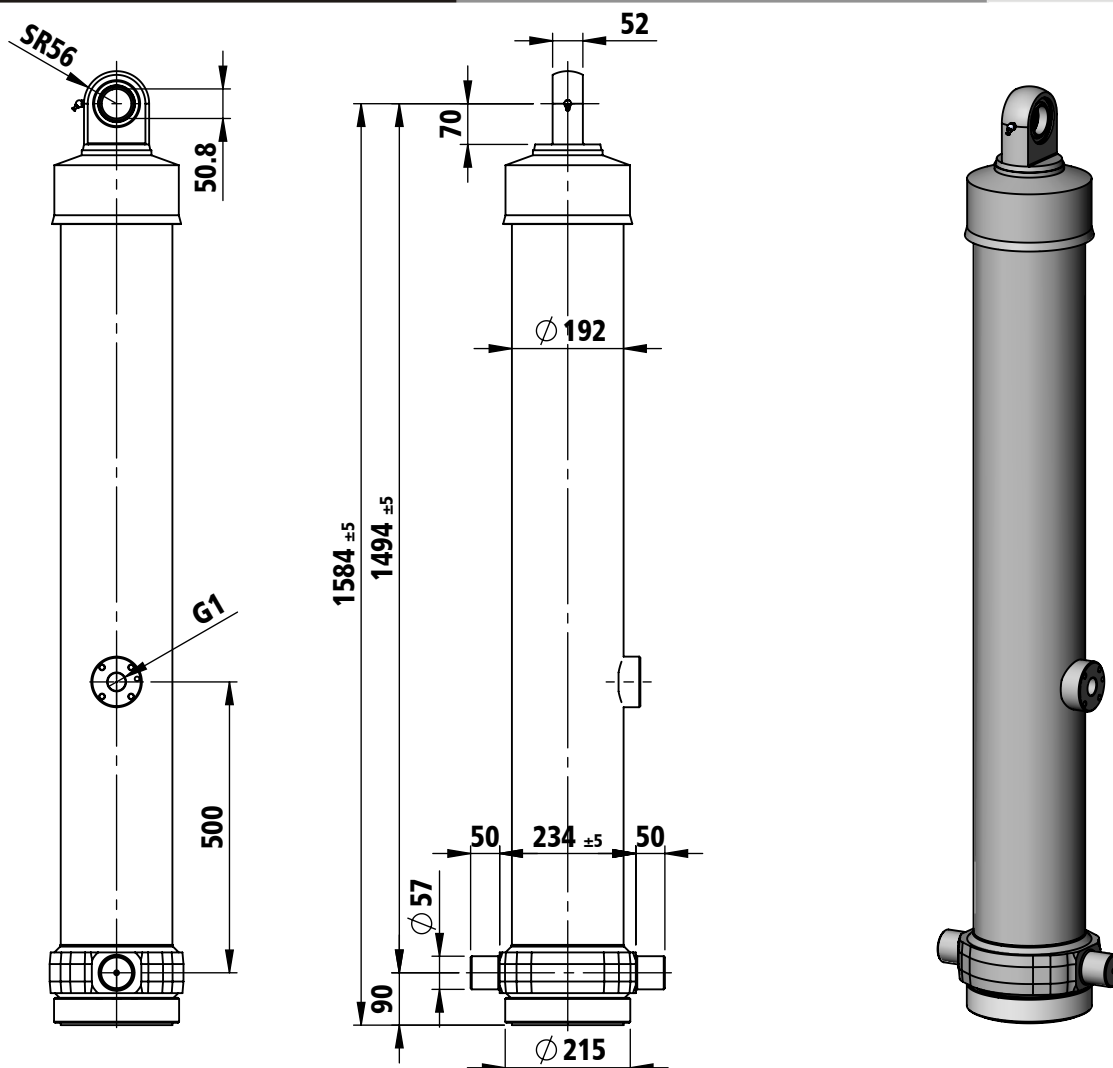
Front end cylinder, pins - eye (spherical bearing)

Part Number

4114301695003

Tipping weight

39-73 ton



mounting dimension		1494 mm + 20 mm min pull out				total stroke		6170 mm		max pressure		200 bar	
model: HF6170 169 5		code: 4114301695003				weight: 235 kg				1222 000461			
extension	1	2	3	4	5	-	-	-	-	--	--	number of stages: 5	
diameter [mm]	169	149	129	111	95	--	--	--	--	--	--		
stroke [mm]	1224	1229	1234	1239	1244	--	--	--	--	--	--	total: 6170 mm	
thrust [kN]	449	349	261	194	142	--	--	--	--	--	--		
oil [dm³]	27.5	21.4	16.1	12.0	8.8	--	--	--	--	--	--	total: 85.8 dm³	

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 Ø95.
- 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.
- Critical buckling load 181 kN fully extended cylinder.

REMARKS

[2011.10.17] [2011.11.30]

Last stage Ø95 chromed (Elemento terminale Ø95 cromato)

REVISIONS

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	02
	03
	04