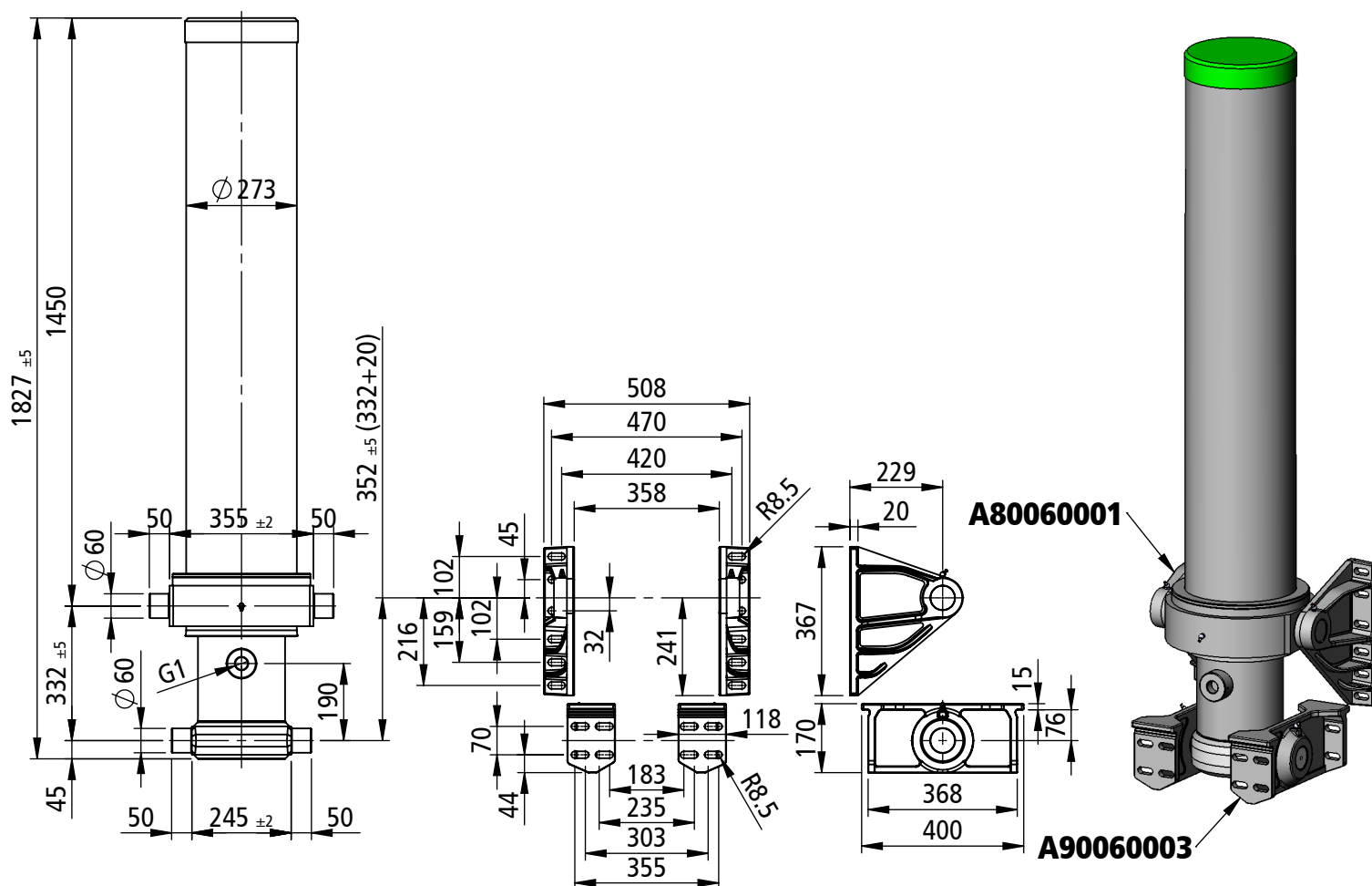



Front end cylinder with outer cover
Part Number
4216801915010
Tipping weight
52-97 ton


mounting dimension		332 mm + 20 mm min pull out				total stroke		7100 mm		max pressure		200 bar	
model: HFC 7100 191 5		code: 4216801915010				weight: 433 kg				HS Penta			
extension	1	2	3	4	5	-	-	-	-	--	--	number of stages: 5	
diameter [mm]	191	169	149	129	111	--	--	--	--	--	--		
stroke [mm]	1410	1415	1420	1425	1430	--	--	--	--	--	--	total: 7100 mm	
thrust [kN]	573	449	349	261	194	--	--	--	--	--	--		
oil [dm³]	40.4	31.7	24.7	18.6	13.9	--	--	--	--	--	--	total: 129.3 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 Ø111.
- 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 393 kN fully extended cylinder.

REMARKS

[2012.06.18] [2012.12.03]

Last stage Ø111 chromed (Elemento terminale Ø111 cromato)

REVISIONS

	01
	02
	03
	04