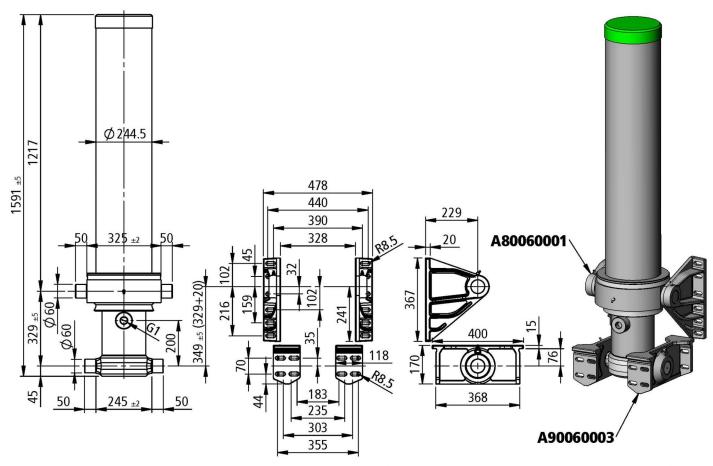


Front end cylinder with outer cover

Part Number

4214701694010

Tipping weight 46-85 ton



mounting dimension 329				mm	mm + 20 mm min pull out					ıl stroke		5090 mm	max pressure	200 bar
model: HFC 5090 169 4					code: 4214701694010					weight: 310 kg			HS Penta	
extension	1	2	3	4	-	-	-	-	-			number of s	tages: 4	
diameter [mm]	169	149	129	111										
stroke [mm]	1265	1270	1275	1280								total: 5090 mm		
thrust [kN]	449	349	261	194								max thrust admitted: 224 kN		
oil [dm³]	28.4	22.1	16.7	12.3					1			total: 79.5 d	m³	

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.

REMARKS [2012.03.30] [2012.12.03]

REVISIONS

Last stage Ø111 chromed (Elemento terminale Ø111 cromato)

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