

Front end cylinder, eye - eye (spherical bearing) Part Number Tipping weight 35-74 ton 35.5 A40050013 Ø 159 506 G3/4 A40050013

Ø 20 n°4 fori → 8														
mounting dimension				1506 mm + 20 mm min pull out						l stroke	. (4270 mm	max pressure	300 bar
model: APPFS	CRN	code: 5613001354005					weight: 160 kg			i0 kg	1222 000903			
extension	1	2	3	4	-	-	-	-	-			number of stages: 4		
diameter [mm]	135	116	98	79						155				
stroke [mm]	1057	1062	1072	1079								total: 4270 mm		
thrust [kN]	429	317	226	147										
oil [dm³]	15.1	11.2	8.1	5.3						1		total: 39.7 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.
- 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 telescopic stages.

 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.

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- 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 218kN fully extended cylinder.

REMARKS [2012.07.02] [2012.07.02] **REVISIONS** Chromed stages (Steli cromati) 01