



mounting aimen	sion		142	/ mm	+ 2U N		ın puli	out	tota	ii stroke	,	35 IV mm	max pressure	200 par
model: HF 3510 111 3					code: 4113601113001				weight: 100			00 kg	1222 000720	
extension	1	2	3	-	-	-	-	-	-			number of	stages: 3	
diameter [mm]	111	95	80											
stroke [mm]	1165	1170	1175									total: 3510	mm	
thrust [kN]	194	142	101											
oil [dm³]	11.3	8.3	5.9									total: 25.5 d	lm³	

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
- 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 Ø80.

 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 182 kN fully extended cylinder.

REMARKS	[2012.03.09] [2012.09.07]
Last stage Ø80 chromed (Elem. terr	m. Ø80 cromato)

REVISIONS	
	01
	02
	03
	04