



HF series

Front end cylinder, pins - eye (spherical bearing) **Part Numbe Tipping weight** 46-85 ton 40 210 70 50 A40050013 9 0 \emptyset 192 355 303 G1 235 (0) 9 400 183 8 368 118 50 50 245 ±2 A90060003 160 Φ Ø20 n°4 fori 248 1358 mm + 20 mm min pull out 4330 mm 200 bar mounting dimension total stroke max pressure model: HF 4330 169 4 code: 4112801694010 weight: 193 kg **HS Penta** extension number of stages: 4 149 129 111 diameter [mm] 169 stroke [mm] 1075 1080 1085 1090 -----total: 4330 mm

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.

449

24.1

349

18.8

261

14.2

194

10.5

- 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

REVISIONS

Last stage Ø111 chromed (Elemento terminale Ø111 cromato)

01

max thrust admitted: 224 kN

total: 67.6 dm³

thrust [kN]

oil [dm³]