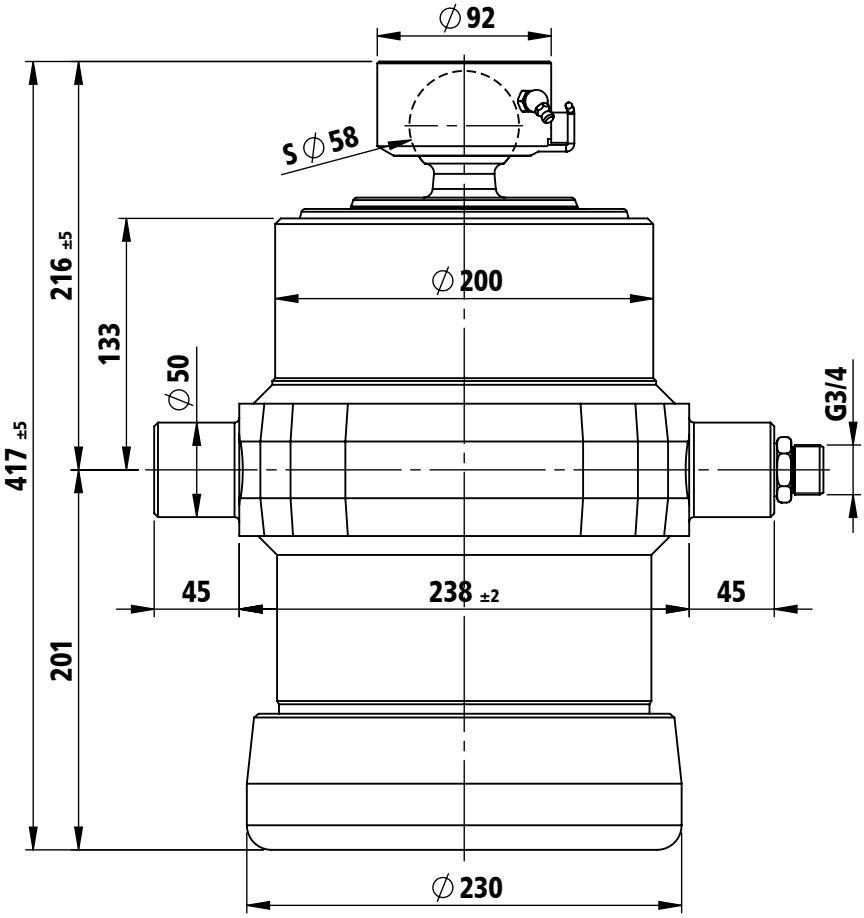
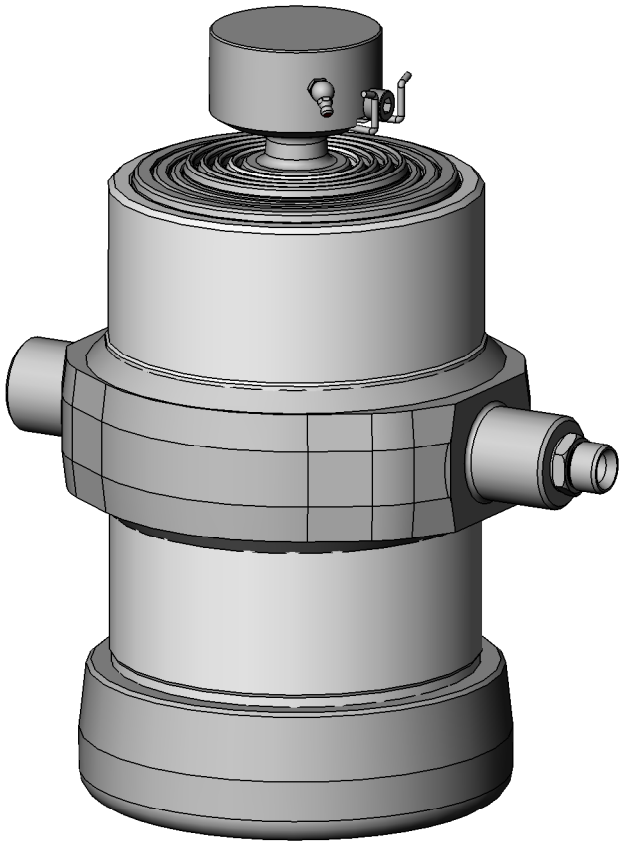
PENTA HYDRAULIC POWER



Light duty, ball - pins | **Part Number** 3103001748001 | **Tipping weight** 14-24 ton





mounting dimension	**216 mm + 20 mm min pull out**								**total stroke**	**1796 mm**		**max pressure** 180 bar
model: BL300 1796 174 8					**code: 3103001748001**				**weight: 78 kg**			**HS Penta**
extension	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	-	--	--	**number of stages: 8**
diameter [mm]	174	154	135	120	105	90	75	60	--	--	--	
stroke [mm]	220	220	211	237	235	222	224	227	--	--	--	**total: 1796 mm**
thrust [kN]	428	335	258	204	156	115	80	51	--	--	--	**max thrust admitted: 137 kN**
oil [dm³]	5.4	4.1	3.0	2.6	2.0	1.4	1.0	0.6	--	--	--	**total: 20.1 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.
- The ordinary use of telescopic cylinder does not require any coating as the telescopic stages are exposed to atmospheric agents only during the tip-up operation. Therefore telescopic cylinders will be supplied without any coating in absence of any specific requirements.
- 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	**[2011.08.31] [2011.08.31]**
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REVISIONS	
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