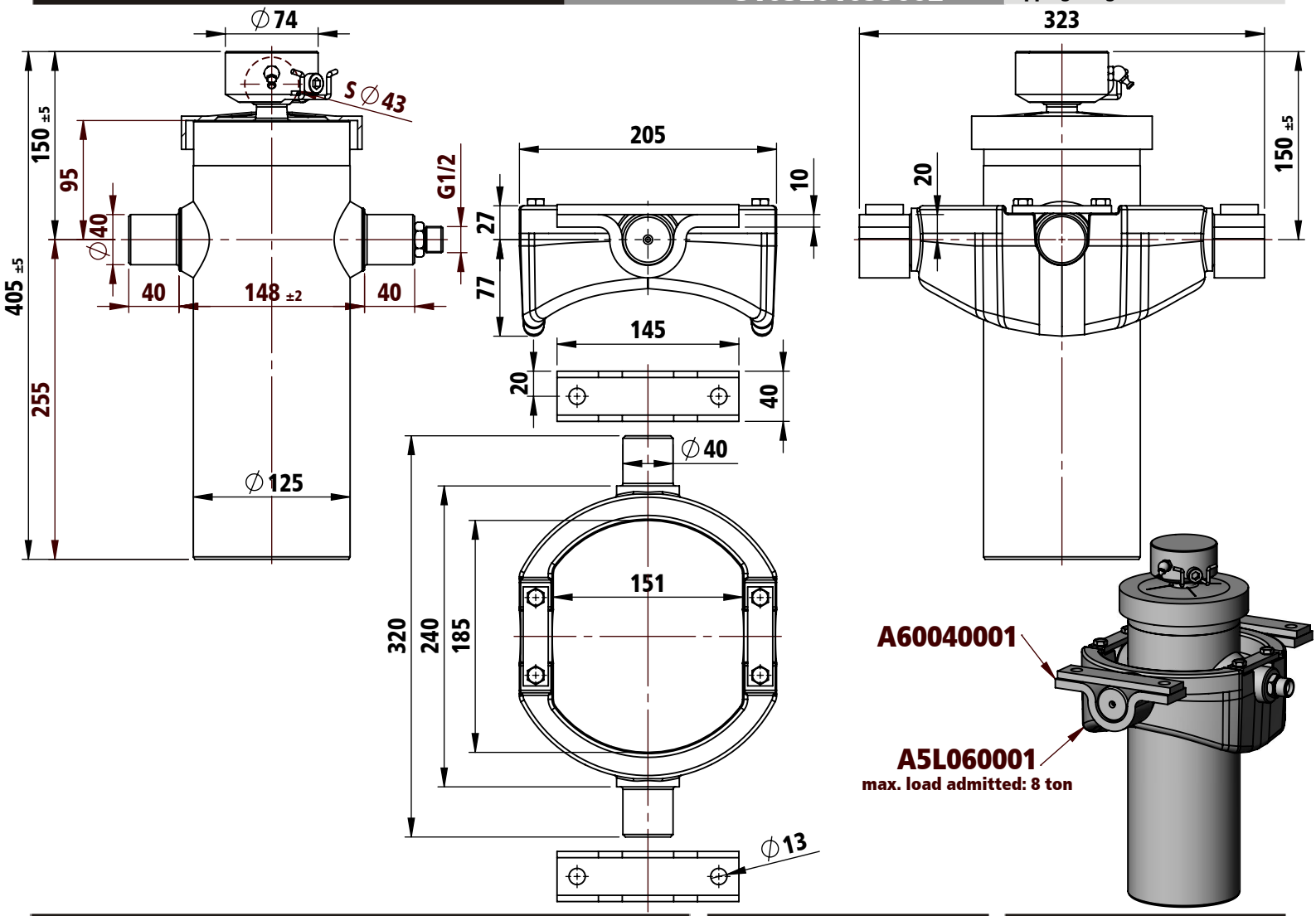
PENTA
HYDRAULIC POWER

Light duty, ball - pins	Part Number	3103201055002	Tipping weight	6-12 ton



mounting dimension	150 mm + 20 mm min pull out	total stroke	1237 mm	max pressure	200 bar
model: BL320 1237 105 5 CRL	code: 3103201055002	weight: 28 kg		HS Penta	

extension	1	2	3	4	5	-	-	-	-	--	--	number of stages: 5
diameter [mm]	105	90	75	60	45	--	--	--	--	--	--	
stroke [mm]	254	241	244	246	252	--	--	--	--	--	--	total: 1237 mm
thrust [kN]	173	127	88	57	32	--	--	--	--	--	--	max thrust admitted: 61 kN
oil [dm³]	2.2	1.5	1.1	0.7	0.4	--	--	--	--	--	--	total: 5.9 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.
- Chrome coating type CRL (minimum thickness: 5 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.
- 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	[2004.07.01] [2004.07.01]
Chromed stages (Steli cromati)	
Old code: BL065C (Codice vecchio: BL065C)	

REVISIONS	
2010.07.07 - Aggiornamento dati e eliminata borchia G1/2 entrata olio	01
2011.05.16 - Aggiornamento dati guide FSP	02
2011.09.13 - Aggiornamento dati guide FSP bassa 105	03
	04