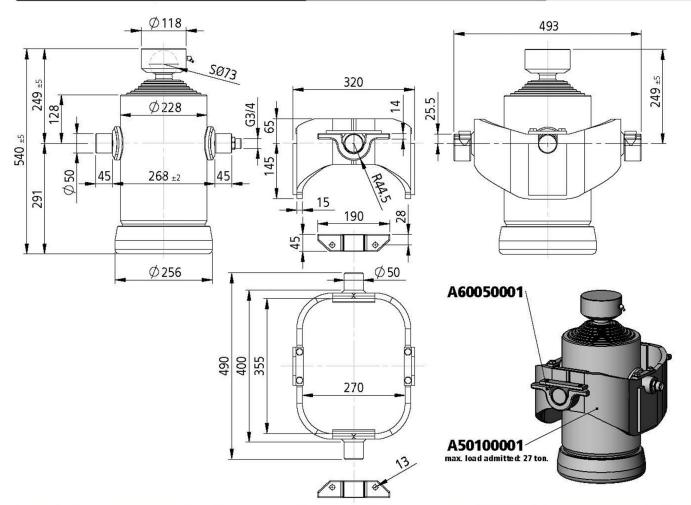
SM series



Under-body cylinder, pins-ball

12000M1967001

Tipping weight 18-41 ton



mounting dimension 249			mm	mm + 20 mm min pull out					al stroke	,	2025 mm	max pressure	200 bar		
model: SM 2024 196 7					code: 12000M1967001				weight: 1			12 kg	HS Penta		
extension	1	2	3	4	5	6	7		(E)	(555)		number of	number of stages: 7		
diameter [mm]	196	174	154	135	120	105	90	10.00	15-	(5.5)	155				
stroke [mm]	284	287	287	285	293	294	295	1722	12-2	19227	1	total: 2025 mm			
thrust [kN]	603	476	373	286	226	173	127	922	100	0220	500	max thrust admitted: 178 kN			
oil [dm³]	8.6	6.8	5.3	4.1	3.3	2.5	1.9	888	177	80708	17.5	total: 32.6	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 [1998.11.09] [1998.11.09]

REVISIONS 2009.02.04-Aggiornamento dati

Old code: 1SM017 (Codice vecchio: 1SM017)