



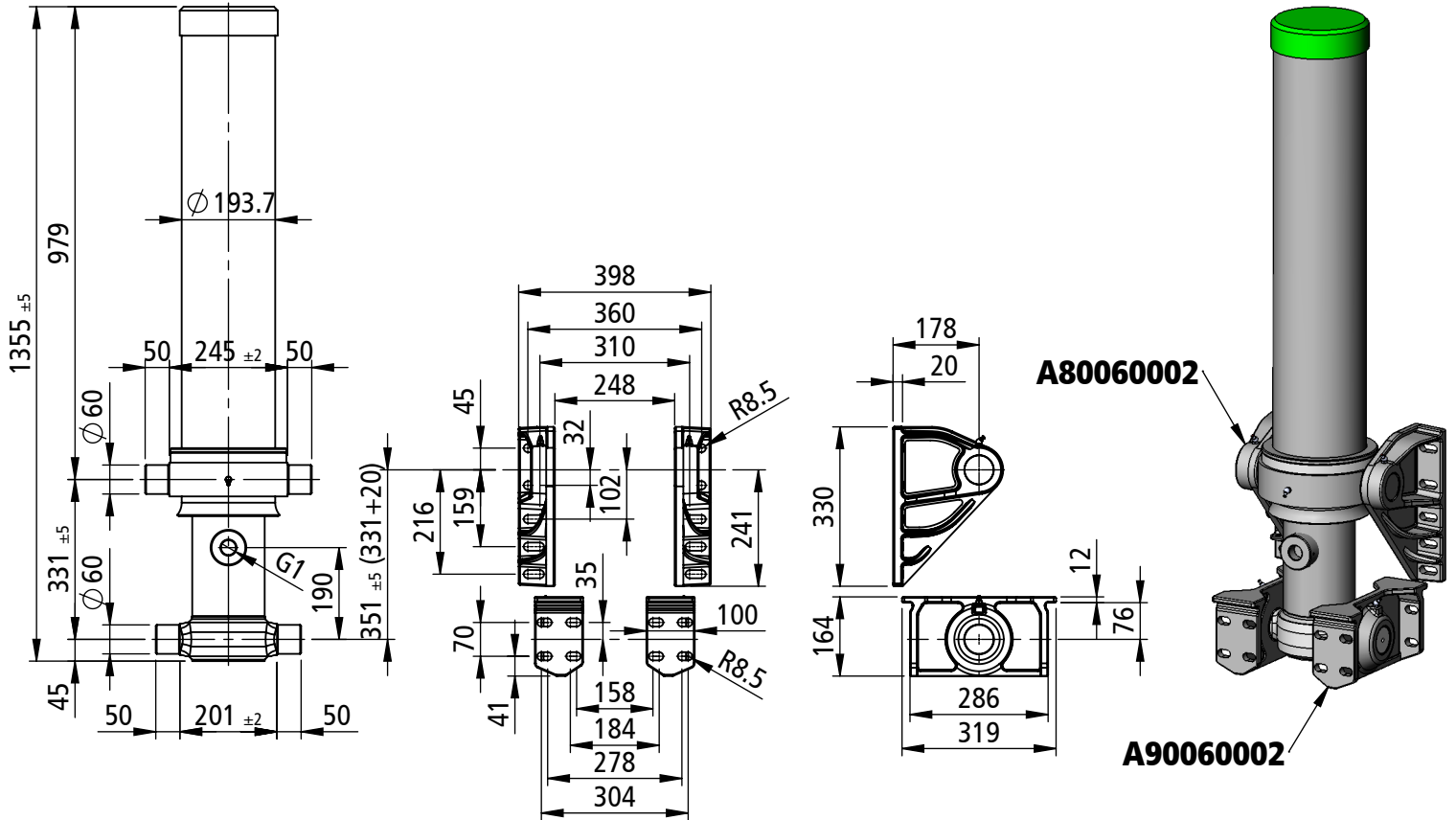
Front end cylinder with outer cover

Part Number

4212351294010

Tipping weight

25-47 ton



mounting dimension		<b>331 mm + 20 mm min pull out</b>				total stroke		<b>4190 mm</b>		max pressure		<b>200 bar</b>	
model: HFC 4190 129 4		code: 4212351294010				weight: 168 kg				HS Penta			
extension	1	2	3	4	-	-	-	-	-	-	number of stages: 4		
diameter [mm]	129	111	95	80	--	--	--	--	--	--	total: 4190 mm		
stroke [mm]	1040	1045	1050	1055	--	--	--	--	--	--	max thrust admitted: 123 kN		
thrust [kN]	261	194	142	101	--	--	--	--	--	--	total: 36.4 dm³		
oil [dm³]	13.6	10.1	7.4	5.3	--	--	--	--	--	--			

### 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 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.

#### REMARKS

[2012.06.14] [2012.11.12]

Last stage Ø80 chromed (Elemento terminale Ø80 cromato)

#### REVISIONS

	01
	02
	03
	04