



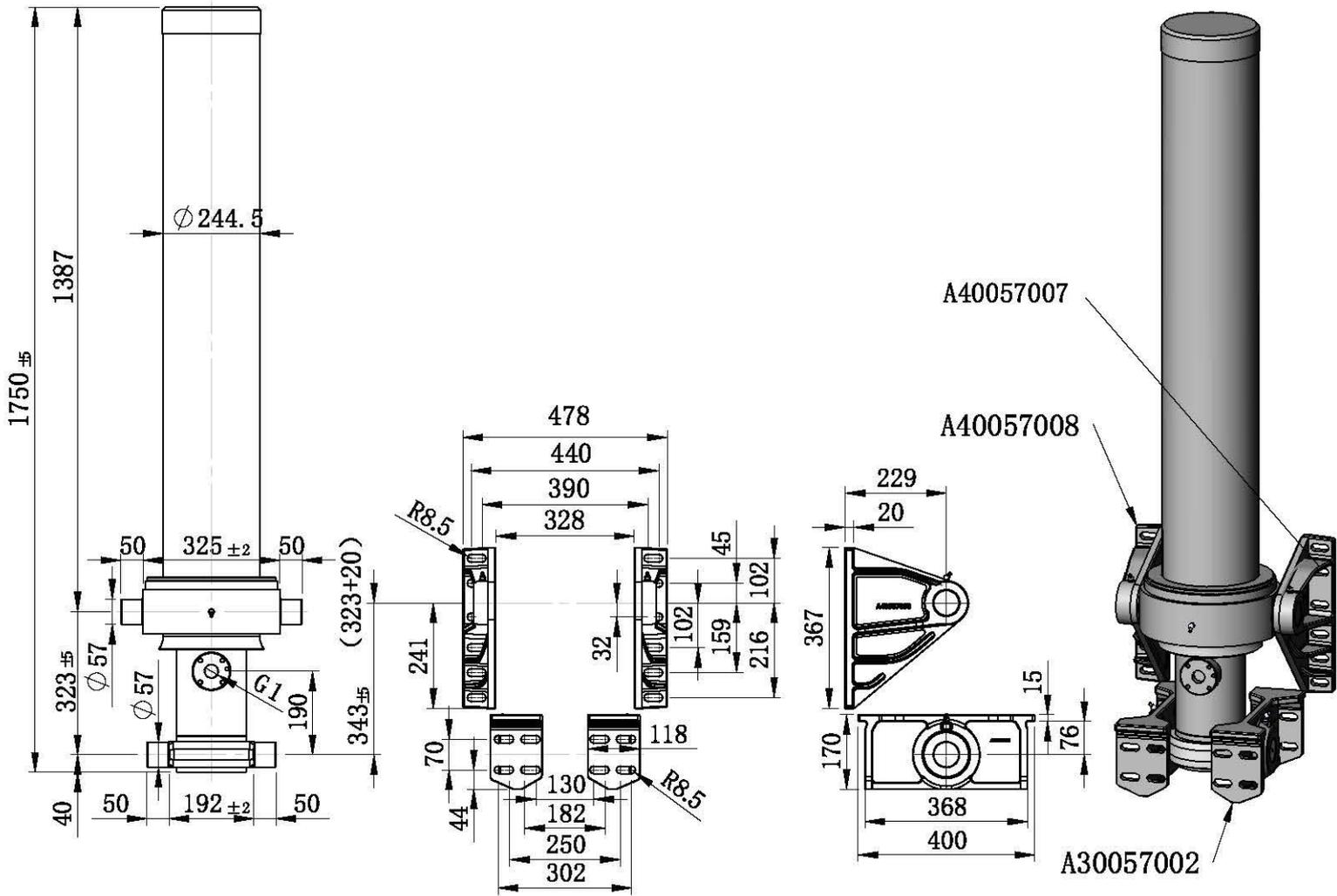
Front end cylinder with outer cover

Part Number

4216251353003W

Tipping weight

32-65 ton



mounting dimension	323 mm + 20 mm min pull out	total stroke	4241 mm	max pressure	220 bar
model:	PFC1625 4241 135 3	code:	4216251353003W	weight:	275kg
					1221 001689

extension	1	2	3	-	-	-	-	-	-	-	number of stages: 3
diameter [mm]	135	116	98	-	-	-	-	-	-	-	
stroke [mm]	1406	1412	1423	-	-	-	-	-	-	-	total: 4241 mm
thrust [kN]	315	232	166	-	-	-	-	-	-	-	max thrust admitted: 173kN
oil [dm³]	20.2	14.9	10.7	-	-	-	-	-	-	-	total: 45.8 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	[2009.06.25]	[2009.07.09]
2009.06.25 All stage tubes chromed		

REVISIONS	
2009.06.29 - Modificato collare camicia e coppia supporti inferiori	01
	02
	03
	04



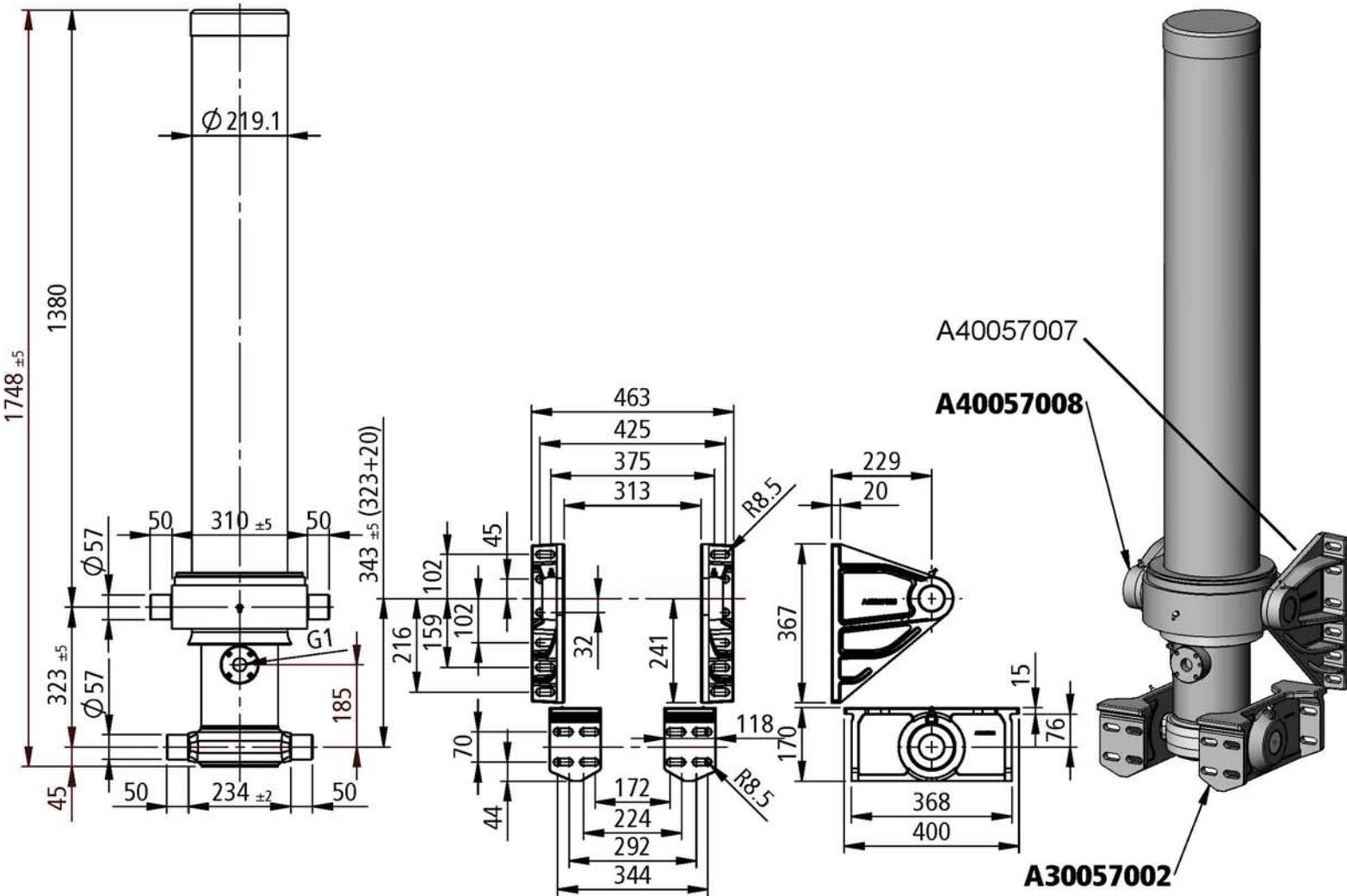
Front end cylinder with outer cover

Part Number

4216251543001D

Tipping weight

43-90 ton



mounting dimension	323 mm + 20 mm min pull out	total stroke	4212 mm	max pressure	220 bar
model:	PFC1625 4212 154 3	code:	4216251543001D	weight:	275 kg
					1222 000970

extension	1	2	3	-	-	-	-	-	-	-	-	number of stages: 3
diameter [mm]	154	135	116	--	--	--	--	--	--	--	--	
stroke [mm]	1396	1404	1412	--	--	--	--	--	--	--	--	total: 4212 mm
thrust [kN]	373	286	211	--	--	--	--	--	--	--	--	max thrust admitted: 233 kN
oil [dm³]	26.0	20.1	14.9	--	--	--	--	--	--	--	--	total: 61.0 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 CRN (40 h corrosion test ISO 9227-rating 9 ISO 10289 / minimum thickness: 20 µm) on all telescopic stage .
- 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

All stage chromed

REVISIONS

	01
	02
	03
	04

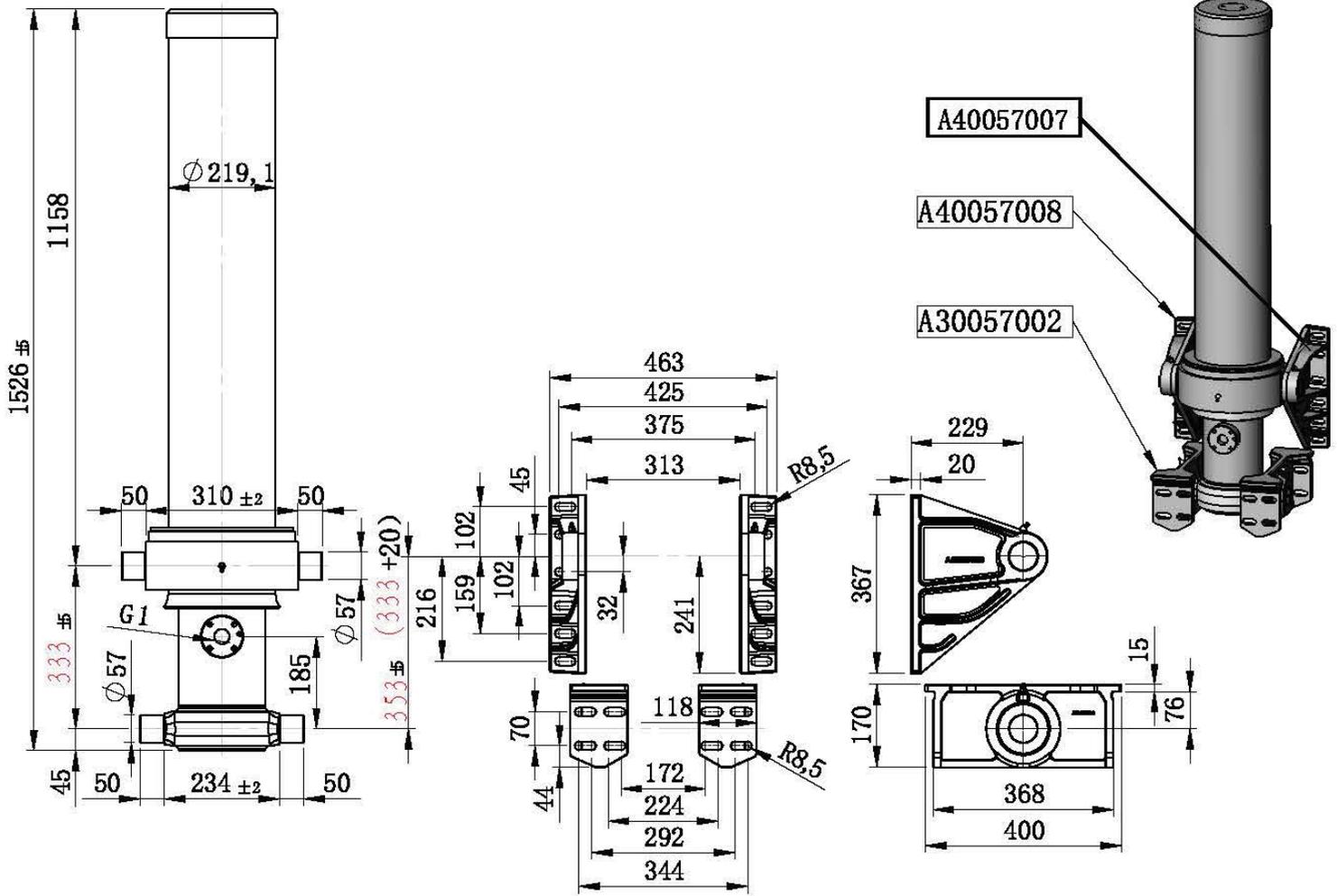


Front end cylinder with outer cover

Part Number

4213851544003 D

Tipping weight 37-80 ton



mounting dimension	333 mm + 20 mm min pull out	total stroke	4630 mm	max pressure	220 bar
model:	PFC1385 4630 154 4	code:	4213851544003 D	weight:	260 kg
					1222 000603

extension	1	2	3	4	-	-	-	-	-	-	number of stages: 4
diameter [mm]	154	135	116	98	-	-	-	-	-	-	
stroke [mm]	1131	1140	1147	1212	-	-	-	-	-	-	total: 4630 mm
thrust [kN]	410	315	232	166	-	-	-	-	-	-	max thrust admitted: 199 kN
oil [dm ³]	21.1	16.3	12.1	9.1	-	-	-	-	-	-	total: 58.6 dm 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.
- 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	[2008. 12. 15]	[2009. 07. 09]
Last stage Ø98 chromed (Elemento terminale Ø98 cromato)		

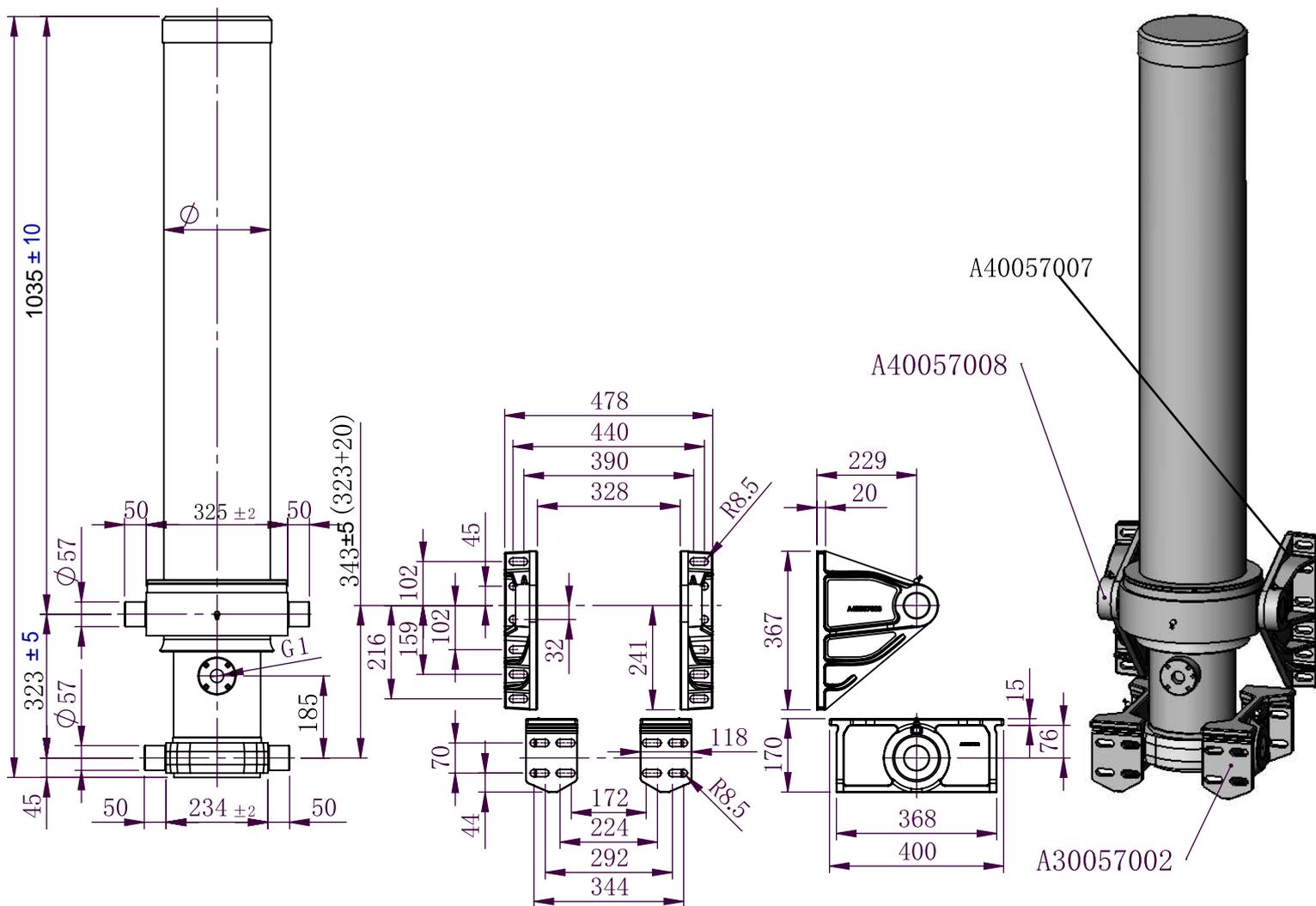
REVISIONS	
2009.04.16 - Modificato interasse perni da 360 a 345	01
2010.02.04 - Modificata quota E camicia	02
	03
	04



Front end cylinder with outer cover

Part Number 4212661544001WD

Tipping weight 32-60 ton



mounting dimension	323 mm + 20 mm	total stroke	4354 mm	max pressure	220 bar
model:PFC1266 4354 154 4	code: 4212661544001WD	weight :265 kg	HS Penta		

extension	1	2	3	4	-	-	-	-	-	-	number of stages: 4
diameter [mm]	154	135	116	98	-	--	--	--	--	--	
stroke [mm]	1081	1090	1090	1093	-	--	--	--	--	--	total : 4354mm
thrust [kN]	410	315	233	166	-	--	--	--	--	--	max thrust admitted: 199 kN
oil [dm³]	20.2	15.7	11.6	8.5	-	--	--	--	--	--	total :56 L

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.
- Chrome coating type CRN (40 h corrosion test ISO 9227-rating 9 ISO 10289 / minimum thickness: 15mm) on all rod stage and piston rod

REMARK	[]	[
Last stage chromed (Elem. term. cromato)			

EVISIONS	
	01
	02
	03
	04