

FRONT END CYLINDER

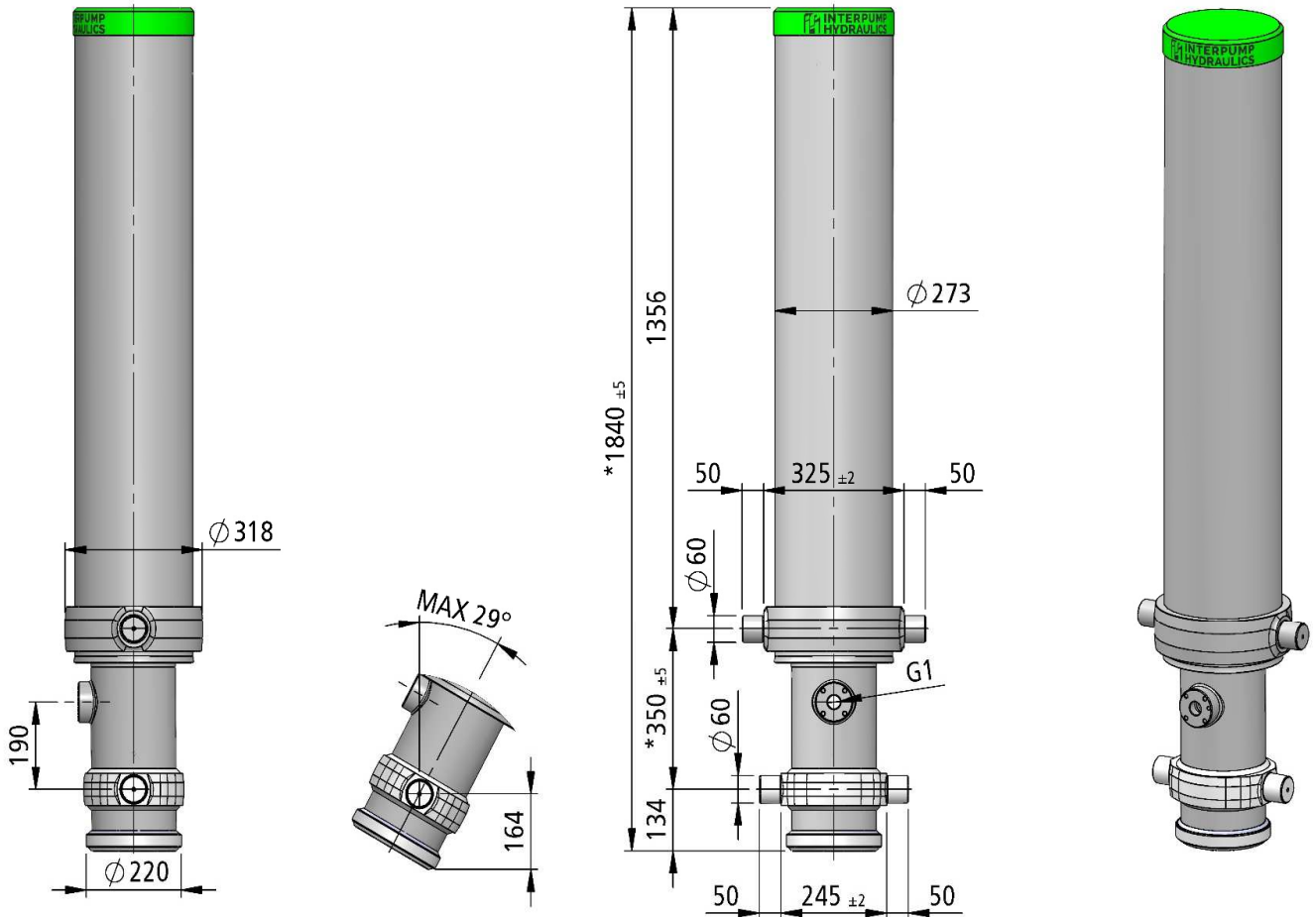
OUTER COVER

5C-08260-174-6-M0350-CRNON

5C1685174604CN

Tipping weight:

36-71 ton (**)



* Mounting dimensions including 20 (-5;+30) mm pull out

Specifications

| | | | | |
|--------------------------------|----------|---------------------------------------------------------|------------------------|-----------|
| Total Stroke Length | 8 260 mm | Maximum Pump Flow | Resulting Tipping Time | |
| Maximum Pressure (***) | 250 bar | - with End of Stroke | 151 L/min | → 44 s |
| Weight | 386 kg | - without End of Stroke | 106 L/min | → 63 s |
| Working Volume | 111 L | - with End of Stroke below -20°C | 105 L/min | → 64 s |
| Residual Volume | 9 L | - without End of Stroke below -20°C | 73 L/min | → 91 s |
| Max Cyl. Force - Start Tipping | 185 kN | (***) Critical Cylinder Force Fully Extended (Buckling) | 140 kN | ↔ 285 bar |

| Extension | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Guide kit: | Seal kit: |
|--------------------|-------|-------|-------|-------|-------|-------|---|---|---|----|---------------|---------------|
| Rod diameter [mm] | 174 | 154 | 135 | 116 | 98 | 79 | | | | | K15F001746001 | K25F001746001 |
| Stroke length [mm] | 1 401 | 1 402 | 1 408 | 1 408 | 1 409 | 1 232 | | | | | | |

Technical notes

- ① The cylinder has been designed to provide only a linear pushing force.
- ① The cylinder is not a structural member and must not be used as a stabilizer or be subject to side or pulling load.
- ① Temperature range (-40; +100) °C
- ① Enamel RAL9005 two-component solvent semi-gloss finish 180 h spray salt test ISO 9227 rating 9 ISO 10289
- ① Chrome coating type CRN on telescopic stages 40 h spray salt test ISO 9227 rating 9 ISO 10289
- ① Standard (not hard chromed) stages must not be extended for over 30'

All the information here reported are intended for further investigations by users with technical knowledge. The user, as manufacturer of the completed machinery which will incorporate the here described components, is the solely responsible for the final selection of the components. The user must carry out necessary research and tests on components to determine whether, by its design and construction, all performance, endurance, maintenance, safety and warning requirements are met. The user must assure the compliance of the completed machinery with all appropriate laws, directives, norms, industry standards. The cylinder will not prevent the dump body or trailer from rollover or lateral tilt. Cylinder rated pressure reflect only the capability of the pressure-containing envelope and not the force transmitting capability of mounting configurations. The ordinary use of telescopic cylinder will not require any coating since the telescopic stages are exposed to atmospheric agents only during the tip-up operation. Water jets must not be used on the upper part of stages (wiper area).

(**) Tipping weight calculation-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 only as a first criteria for the selection of the cylinder. The real tipping mass can only be calculated by the design engineer of the completed machinery, and must take into account the geometry of the dump body, the operating conditions and all the reasonably foreseeable uses.

Read and understand Mounting instructions, User manual, Oil specifications, User responsibility before use.

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