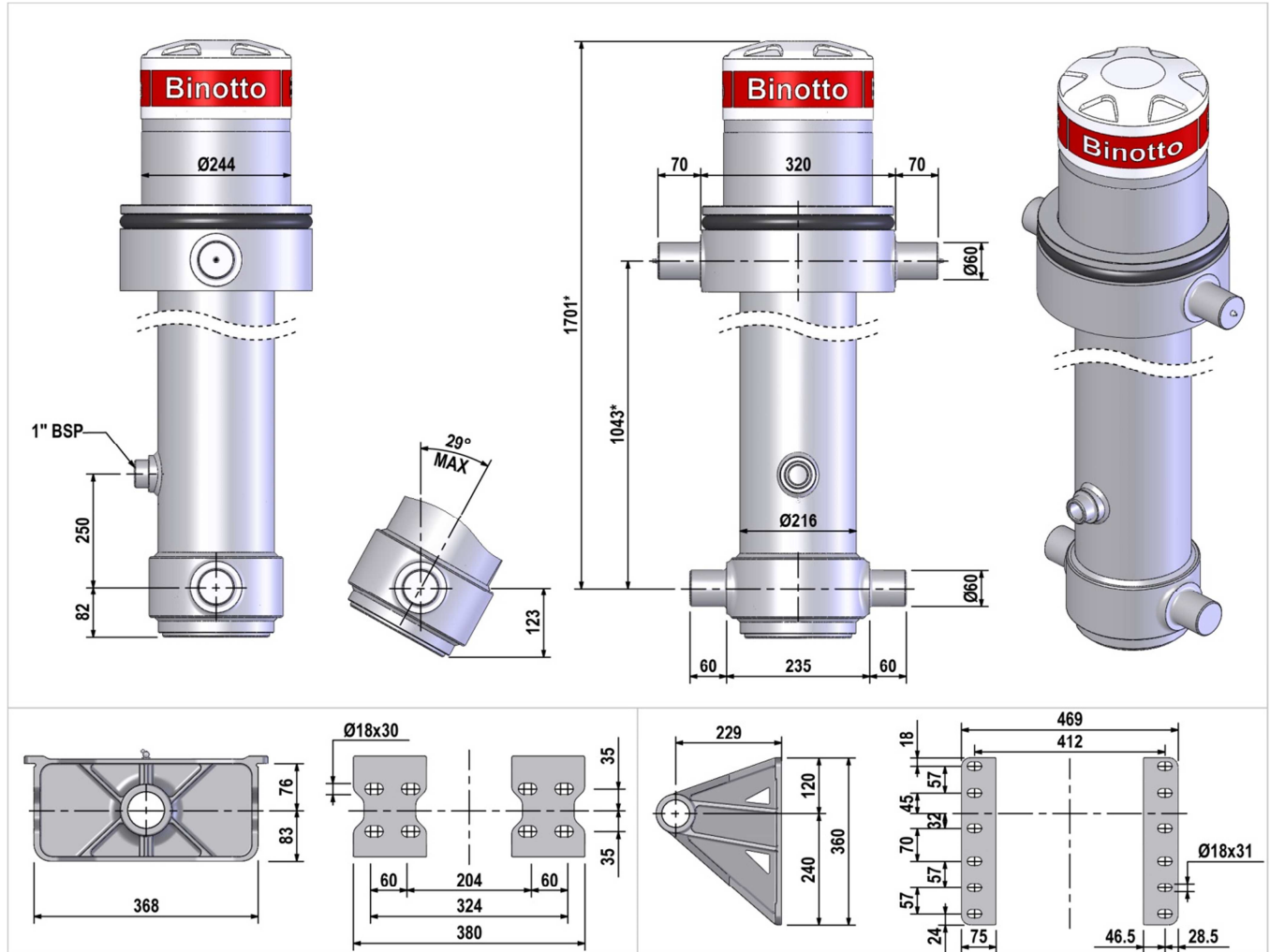




MOUNTING DIMENSIONS



TECHNICAL SPECIFICATIONS

|                                    |       |                                       |                   |
|------------------------------------|-------|---------------------------------------|-------------------|
| Working Volume [lts]               | 118,5 | Max. load (at first stage) [kN]       | 412               |
| Max. Working Pressure [bar]        | 200   | Max. extension speed [m/s] with ESV** | Less than 0,24*** |
| Weight (cylinder + brackets) [kgs] | 442   | Max. extension speed [m/s] w/o ESV**  | Less than 0,18*** |

\*Including 20 mm pull-out.

\*\*ESV= End of Stroke Valve.

\*\*\* For different requirements/applications please contact the Binotto Technical Department.

| Stage n°               | 1     | 2     | 3     | 4     | 5     |  |  |  |  | Total Stroke |
|------------------------|-------|-------|-------|-------|-------|--|--|--|--|--------------|
| Ø Stage [mm]           | Ø187  | Ø165  | Ø145  | Ø126  | Ø107  |  |  |  |  |              |
| Stroke [mm]            | 1362  | 1362  | 1362  | 1362  | 1377  |  |  |  |  | 6825         |
| Thrust at 200 Bar [kN] | 538,6 | 419,3 | 323,8 | 244,5 | 176,3 |  |  |  |  |              |

The application of a telescopic cylinder is to lift up tipping bodies, loaded with different materials, in order to discharge this material during its extension. • This cylinder is designed as a lifting device only for loads along the longitudinal axis. • It must not be used as a structural member or be subject to side load. • Hydraulic oil temperature allowable range between -40°C and +80°C. • Chromed thickness: minimum 20 µm • For standard version, max. duration of extension is 2 hrs. • Cylinder is painted gray (RAL 7021) with a thickness conforming to the 480 hours neutral salt spray test as per ISO 9227 (ISO 10289, rating 9). • The max tipping weight that can be raised by the cylinder is the body weight plus the max payload. 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 maximum cylinder load. • Never exceed maximum pressure. • For Pump flow selection, contact the Binotto Technical Department.

REMARKS

REVISIONS

V01: Min. oil temperature allowable -50°C

The cylinder must always be sold together with Quick Instructions (QI) and User Manual (MU). Make sure they are included and check them carefully before installation, usage, service or repair.