

GALVI CALIPERS *SLDU-030*

HYDRAULICALLY OPERATED EMERGENCY CALIPERS

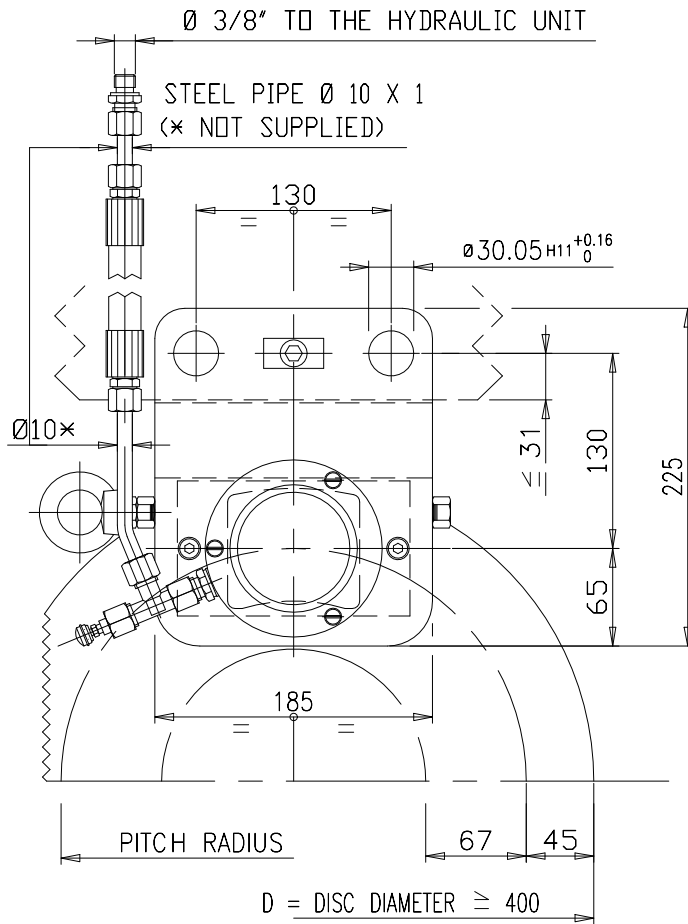


SLDU-030 - TECHNICAL DATA SHEET

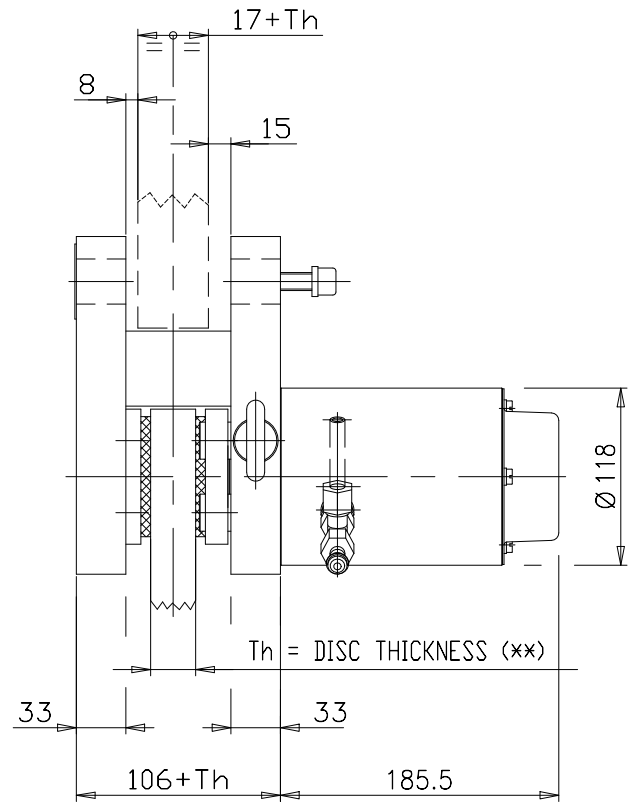
SLDU-01

The GALVI *SLDU* Calipers have been specially designed for static applications or for a limited emergency dynamic use on discs with max peripheral speed of 7 m/s. Closing is actuated by a set of disc springs while opening is performed at a hydraulic pressure of 110 bar. Thanks to their special features these Calipers can be adapted to any disc thickness, moreover they also allow small axial displacement of the disc, thus also ensuring perfect balance of the forces exerted on the brake pads. These Calipers can be operated by the GALVI *EMEHYD*® hydraulic units equipped with accumulator.

BRAKING FORCE = 3000 daN

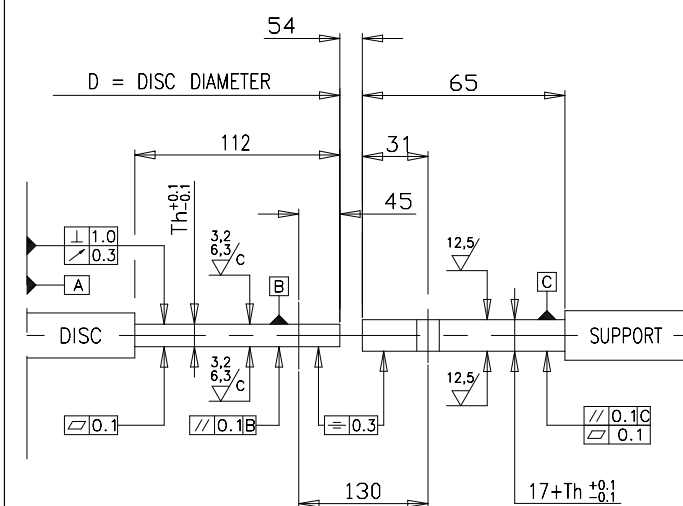


WORKING PRESSURE 110 ÷ 130 bar
 MASS = 41 kg - (with standard "Th" = 30 mm)
 (**) Th = to be specified when ordering
 Nominal stroke (of cylinder opening) = 1,20 mm
 Oil volume (with nominal stroke) = 5,20 cm³

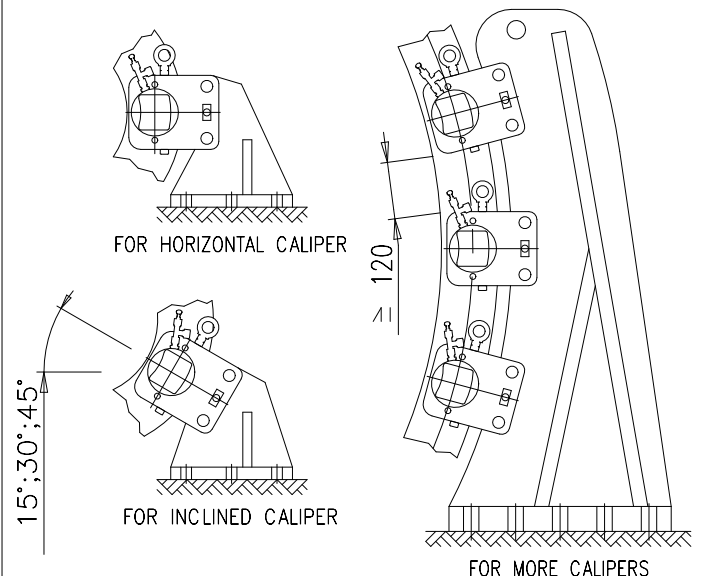


BRAKING TORQUE = BRAKING FORCE · PITCH RADIUS /1000 [daN·m]

CHARACTERISTICS OF DISC AND SUPPORT



EXAMPLE OF SUPPORTS SUPPLIED UPON REQUEST



GALVI CALIPERS *SLDU-060*

HYDRAULICALLY OPERATED EMERGENCY CALIPERS



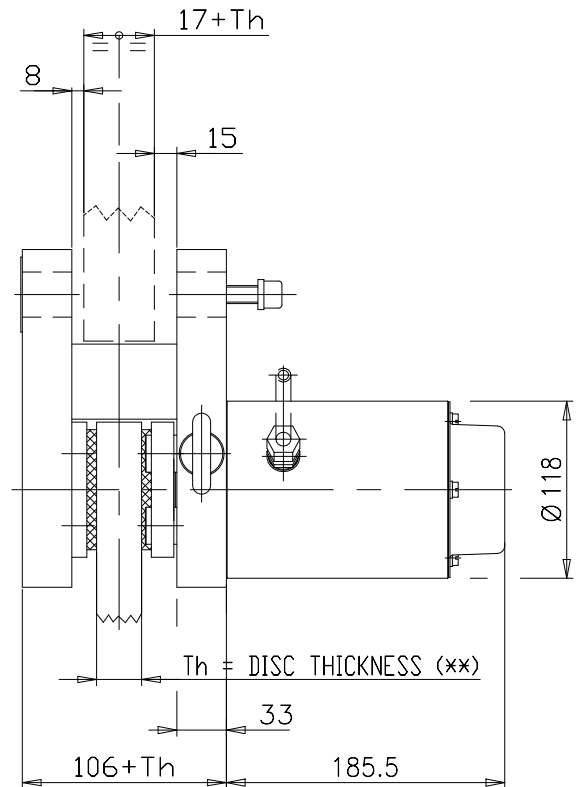
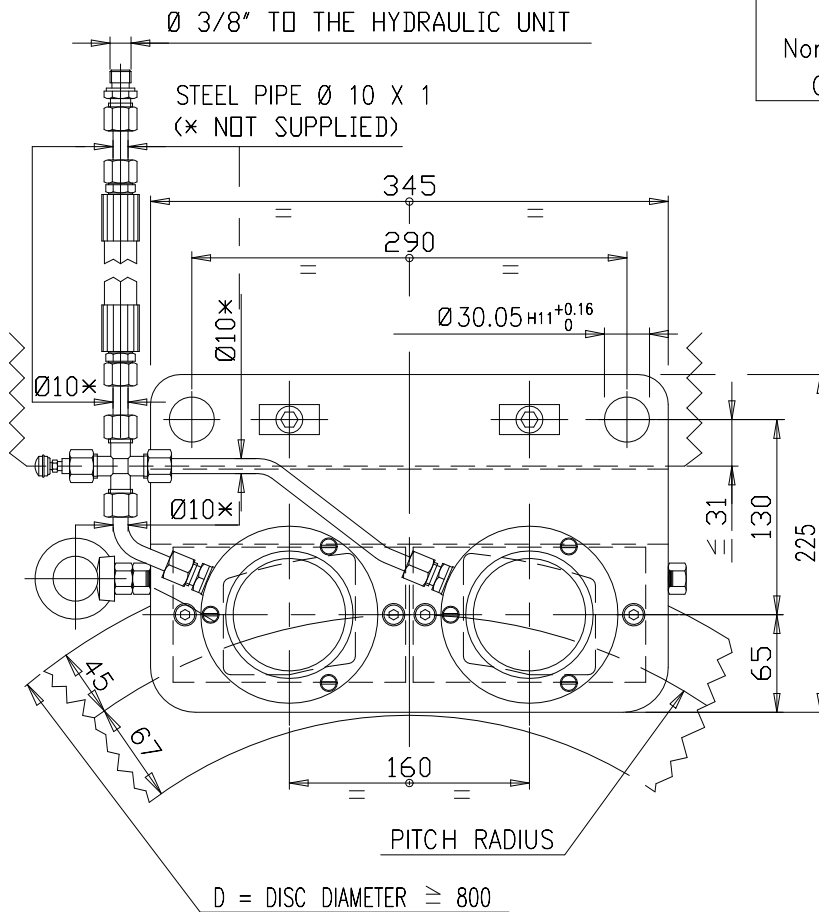
SLDU-060 - TECHNICAL DATA SHEET

SLDU-02

The GALVI *SLDU* Calipers have been specially designed for static applications or for a limited emergency dynamic use on discs with max peripheral speed of 7 m/s. Closing is actuated by a set of disc springs while opening is performed at a hydraulic pressure of 110 bar. Thanks to their special features these Calipers can be adapted to any disc thickness, moreover they also allow small axial displacement of the disc, thus also ensuring perfect balance of the forces exerted on the brake pads. These Calipers can be operated by the GALVI *EMEHYD*® hydraulic units equipped with accumulator.

BRAKING FORCE = 6000 daN

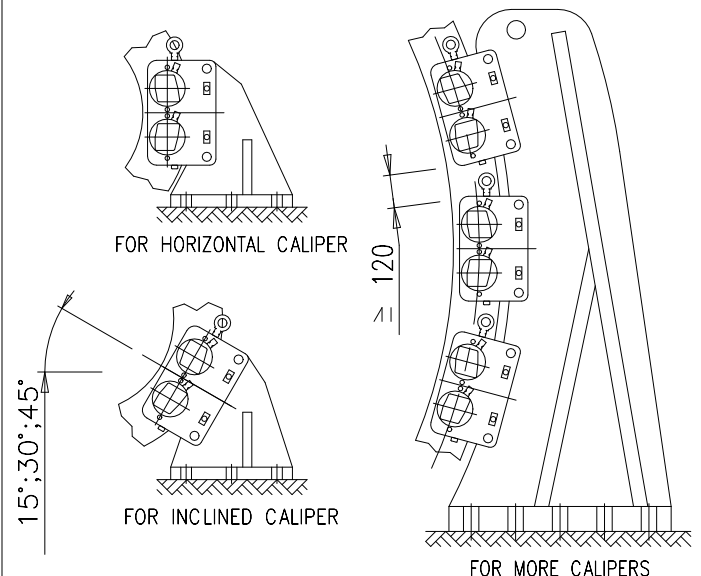
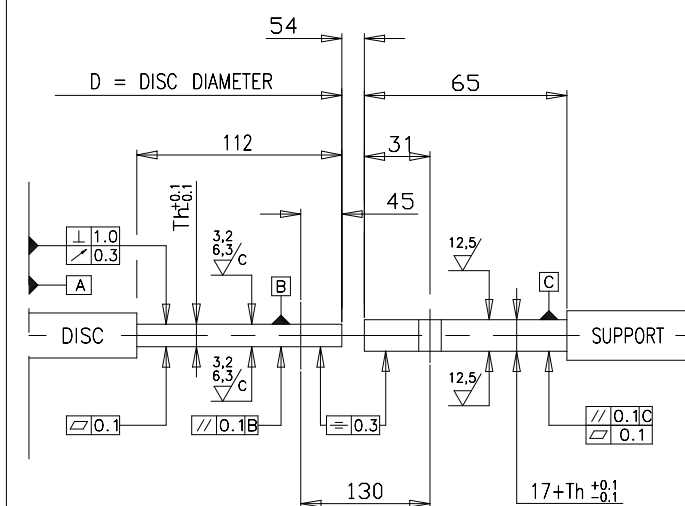
WORKING PRESSURE 110 ÷ 130 bar
 MASS = 79 kg - (with standard "Th" = 30 mm)
 (**) Th = to be specified when ordering
 Nominal stroke (of cylinder opening) = 1,20 mm
 Oil volume (with nominal stroke) = 10,4 cm³



BRAKING TORQUE = BRAKING FORCE · PITCH RADIUS / 1000 [daN·m]

CHARACTERISTICS OF DISC AND SUPPORT

EXAMPLE OF SUPPORTS SUPPLIED UPON REQUEST



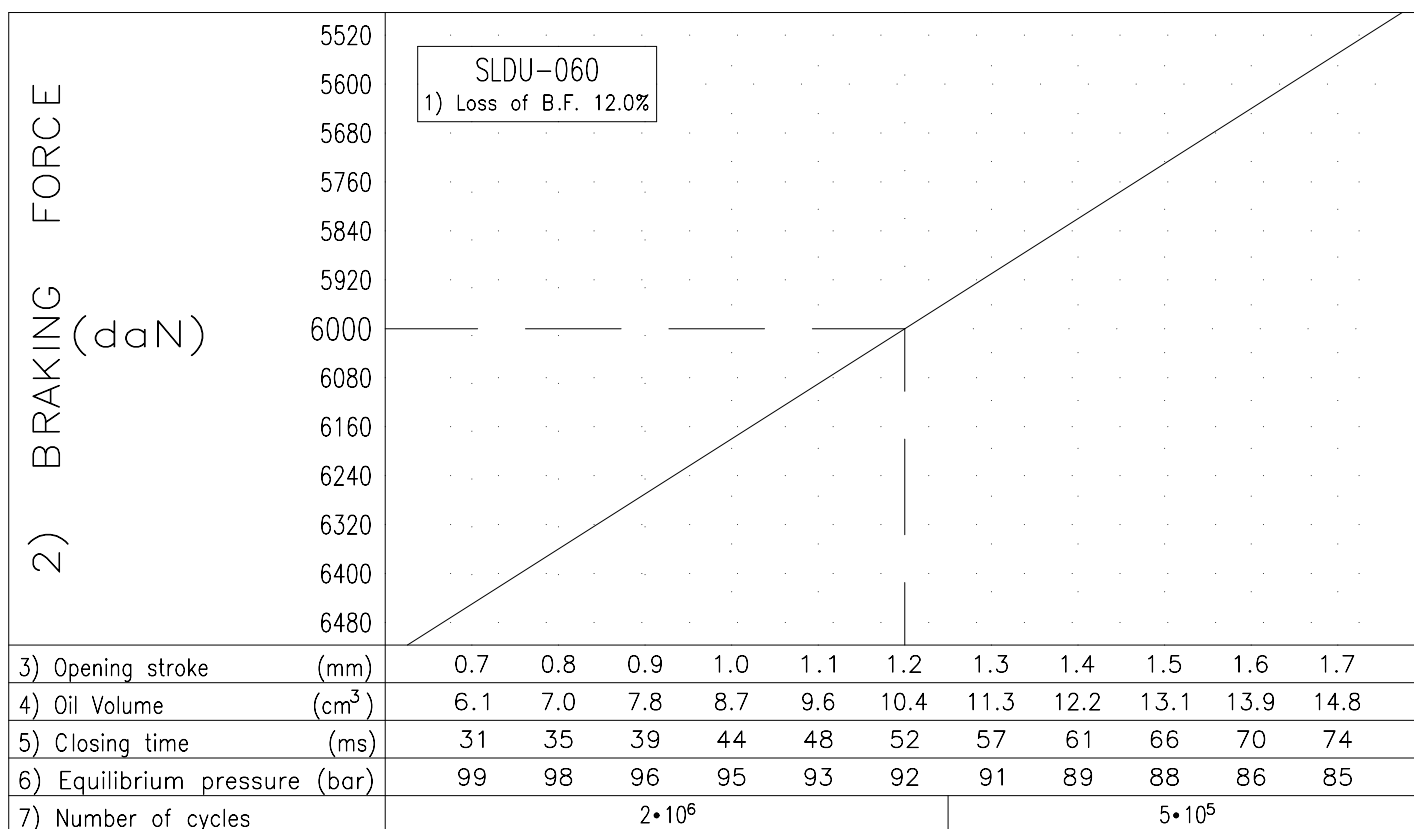
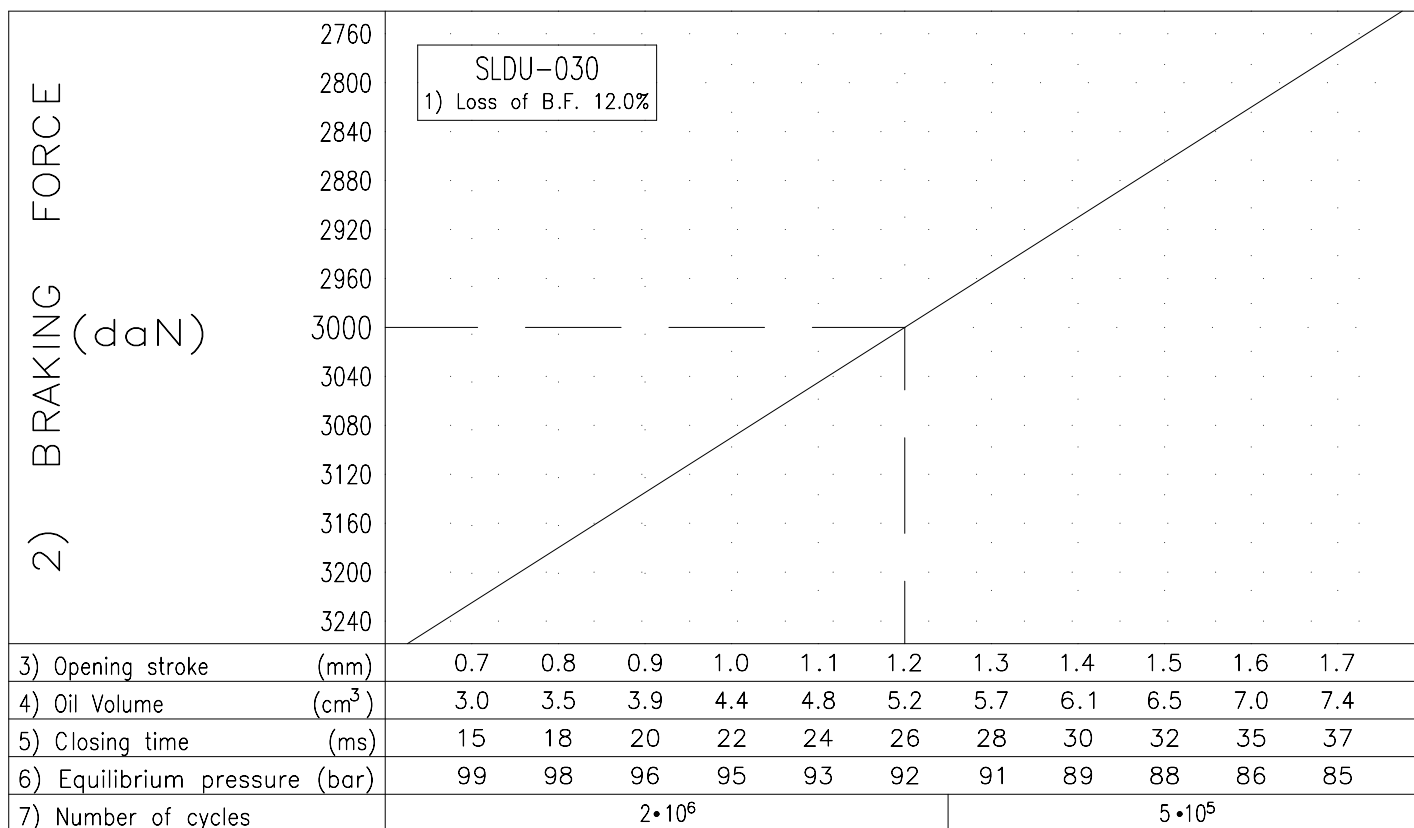
GALVI CALIPERS *SLDU*[®]

HYDRAULICALLY OPERATED EMERGENCY CALIPERS



SLDU[®] - CHARTS AND CHARACTERISTIC OPERATING DATA

SLDU-03



- 1) The loss of Braking Force is referred to the cylinder stroke (%/mm)
- 2) The Braking Forces can have a tolerance of $\pm 5\%$
- 3) The opening strokes are referred to the cylinder
- 4) The oil volume represents the quantity necessary to open the cylinder of the caliper with the preset strokes
- 5) The closing time is referred to just the caliper; hence it should be increased in accordance with the hydraulic lines and control equipment
- 6) The equilibrium pressure ($\pm 3\%$) cancels the thrust of the brake pads on the disc without, however, opening them
- 7) Represents the minimum guaranteed number of brake pad opening and closing manoeuvres