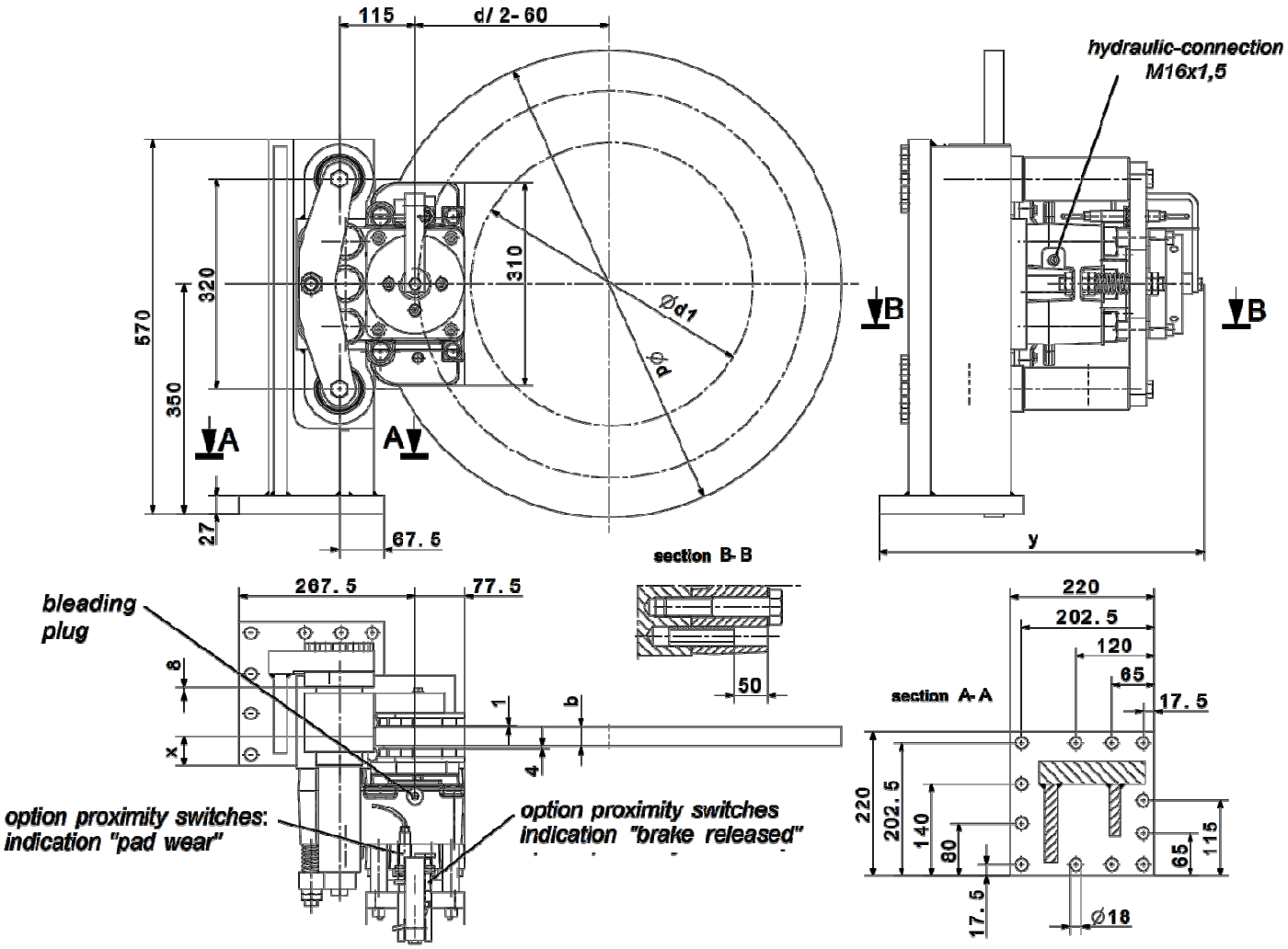

Clamping Force F_A	SHI 101 Fc	SHI 102 Fc	SHI 103 Fc	SHI 104 Fc	SHI 105 Fc	SHI 106 Fc	SHI 107 Fc
F_A at C = 0,5 mm	29,0 kN	45,1 kN	55,4 kN	74,1 kN	83,2 kN	110,0 kN	140,0 kN
F_A at C = 1,0 mm	28,0 kN	43,7 kN	52,2 kN	68,7 kN	77,0 kN	98,0 kN	115,0 kN
F_A at C = 1,5 mm	27,0 kN	41,3 kN	48,8 kN	62,7 kN	74,4 kN	88,0 kN	94,0 kN
F_A at C = 2,0 mm	26,0 kN	40,3 kN	44,8 kN	58,7 kN	69,3 kN	73,0 kN	67,0 kN

type	requested mounting bolts strength and torque
SHI 101Fc - 103Fc	3xM30, 8.8, 1450 Nm, µ=0,14
SHI 104Fc - 105Fc	3xM30, 12.9, 2400 Nm, µ=0,14
SHI 106Fc - 107Fc	3xM30, 12.9, 2400 Nm, µ=0,14 2 x *dowel pin* Ø30 x 100 DIN 1481 *heavy style*

Torque calculation

SHI 101Fc - SHI 107 Fc

$M_{Br\,max.} = 2 \times F_A \times 0.4 \times (d/2 - 60)$

Sample calculation

SHI 102 *disc-Ø* = 1500 mm C =1mm

$M_{Br\,max.}$ = 2 x 43,7 x 0.4 x (750 - 60) = 24122 Nm

b = *brake disc width, min.: 20 mm*

d = *brake disc diameter in mm*

d1 = *hub or drum diam., max.: d - 280mm*

c = *clearence adjustable from 0,5 - 2 mm*

x = *position of disc* = 60 - b/2

y = *mounting space* = 465 + b

sinter lining
lining surface : 285 cm² ab Ø 560 mm

When ordering please advise:

right hand version, as shown

left hand version, mirror inverted