



clamping force F_A	RHI 101	RHI 102	RHI 103	RHI 104	RHI 105
F bei C=1 mm	29,0 kN	45,1 kN	55,4 kN	74,1 kN	83,2 kN
F bei C=2 mm	28,0 kN	43,7 kN	52,2 kN	68,7 kN	77,0 kN
F bei C=3 mm	27,0 kN	41,3 kN	48,8 kN	62,7 kN	74,4 kN
F bei C=4 mm	26,0 kN	40,3 kN	44,8 kN	58,7 kN	69,3 kN

Torque calculation
RHI 101- RHI 105
 $M_{Br \max.} = 2 \times F_A \times 0.35 \times (d/2-45)$

Sample calculation
RHI 102, $\varnothing = 900 \text{ mm} = \text{disc-}\varnothing$, C = 2mm
 $M_{Br \max.} = 2 \times 43,7 \text{ kN} \times 0.35 \times (450 - 45) = 12380 \text{ Nm}$

- b = wheel width in mm
- d = wheel outer diameter in mm
- d1 = hub or drum diam., max.: d-250mm
- c = clearence adjustable from 1-4 mm

type	requested mounting bolts, strength and torque	release pressure	weights
RHI 101-103	3xM30, 8.8, 1450 Nm, $\mu=0,14$	35-60 bar	180 kg
RHI 104-105	3xM30, 12.9, 2400 Nm, $\mu=0,14$	80 -95 bar	180 kg

all dimensions in mm

Alterations reserved !