



Disc brake TS2:

Type of brake	Diameter of disc [mm]	Brake pad			permissible braking moment / brake ^{*)} (at 6,5 bar) [Nm]
		Width [mm]	Thickness [mm]	effective braking area / brake [cm ²]	
TS2 3709	Ø 374	210,8	21	2 x 143	14 100
TS2 4309	Ø 430	210,8	21	2 x 166	16 000

^{*)} with $M_B = B_F * (C - C_0)$

Type of brake	TS2 3709	TS2 4309
Calculated transmission	15,6	15,6
Parameter $\eta_a C^*$	0,71	0,71
Lever length l [mm]	70	80
Eccentricity e [mm]	4,5	5,1
Braking factor B_F	23,5	23,9
average friction radius r [mm]	149	171,5
contact moment C_0 [Nm]	10,5	12

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Disc brake TSB:

Type of brake	Diameter of disc [mm]	Brake pad			permissible braking moment / brake (at 6,5 bar) [Nm]
		Width [mm]	Thickness [mm]	effective braking area / brake [cm ²]	
TSB 3709	Ø 374	210,8	23	2 x 147	17 000
TSB 4309	Ø 430	210,8	23	2 x 168	17 000
TSB 4312	Ø 430	246,9	21	2 x 192	18 500

Type of brake	TSB 3709	TSB 4309	TSB 4312
Calculated transmission	15,5	15,5	15,5
Parameter $\eta_a C^*$	0,71	0,72	0,72
Lever length l [mm]	80	80	80
Eccentricity e [mm]	5,16	5,16	5,16
Braking factor B_F	20,5	23,9	23,9
average friction radius r [mm]	149	171,5	171,5
contact moment C_0 [Nm]	12	12	12

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Disc brake SB:

Type of brake	Diameter of disc [mm]	Brake pad			permissible braking moment / brake (at 6,5 bar) [Nm]
		Width [mm]	Thickness [mm]	effective braking area / brake [cm ²]	
SB 3745	Ø 377	210,7	23 or 21	2 x 148	17 000
SB 4309	Ø 430	210,8	23	2 x 168	18 500
SB 4345	Ø 430	247,6	21	2 x 206	20 000

Type of brake	SB 3745	SB 4309	SB 4345
Calculated transmission	15,51	15,51	15,3
Parameter $\eta_a C^*$	0,71	0,72	0,71
Lever length l [mm]	76	76	88
Eccentricity e [mm]	4,9	4,9	5,75
Braking factor B_F	21,59	25,2	21,17
average friction radius r [mm]	149	171,5	171,5
contact moment C_0 [Nm]	10	10	9

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