



Brake Data

TE-2112.0 E

N ϕ 250, N ϕ 300, N ϕ 310, N ϕ 400, FL ϕ 300 und FL ϕ 410

1 Blatt Bl.-Nr. 1

Type of brake	Diameter of brake drum ϕ (mm)	Brake lining			Effective braking area of the brake (cm ²)		Permissible braking torque of the brake (at 6,5 bar) (Nm)
		Width (mm)	Thickness (mm)	Length/brake shoe (mm)	riveted	adhesive	
N 2504-3	250	40	max. 5	268	199	211	1900
N 3006-3	300	60	max. 5	290	320	345	5000
N 3108-3	310	80	max. 8	314	423		8900
N 4008-3	400	80	max. 8	385	548		12950
N 4012-3	400	120	max. 8	379	884		15250
FL 3008	300	80	max. 13	291	480		7300
FL 4112	410	120	max. 12	418	925		19800
FL 4118	410	180	max. 12	418	1387		24650

Diameter of the brake drum (mm)	ϕ 250	ϕ 300	ϕ 310	ϕ 400	FL ϕ 300	FL ϕ 410
Braking factor = $\frac{\text{Braking torque}}{\text{Actuating torque}}$	$\frac{7,5}{1}$	$\frac{9,0}{1}$	$\frac{8,86}{1}$	$\frac{9,23}{1}$	$\frac{4,41}{1}$	$\frac{8,79}{1}$
Parameter C [*]	1,5	1,5	1,5	1,5	1,5	1,5
Mechanical efficiency η (%)	80	80	80	80	67	80
Efficient radius of the cam shaft e (mm)	10	10	10,5	13	17	14
Radius of the brake drum r (mm)	125	150	155	200	150	205
Righting moment M _o / brake (Nm)	25	25	30	30	30	30

26. Juni 2001

0	26.06.01	Datum	25.06.01	Datum	26.06.01
		Name	Schuster <i>[Signature]</i>	Name	Pehle <i>[Signature]</i>
Revision	Datum		Erstellt		Genehmigt <input checked="" type="checkbox"/>

CAD-erstellt

BPW BERGISCHE ACHSEN Kommanditgesellschaft D-51674 WIEHL