



*) Average static coefficient of friction for standard material combination

The coefficient of friction is subject to fluctuations depending on operational-, material- and ambient-conditions! This must be considered during the selection!

All dimensions in mm
Alterations reserved without notice

For crane brake layout use safety factors documented in the FEM 1.001, Section 1

Weight without thruster: ca. 230 kg			Thruster type Contact force in N		BL 125-6 (Weight: 24 kg) 22500			BL 200-6 (Weight: 24 kg) 35000			BL 300-6 (Weight: 33 kg) 50000		BL 450-8 (Weight: 33 kg) 65000			
Disc-Ø d ₂	Friction-Ø d ₁	Max. hub-Ø d ₄	e	k ₁	*M _{Brmax.} (Nm) at μ = 0,4	*M _{Brmin.} (Nm) at μ = 0,4	*M _{Brmin.} (% from M _{Brmax.})	*M _{Brmax.} (Nm) at μ = 0,4	*M _{Brmin.} (Nm) at μ = 0,4	*M _{Brmin.} (% from M _{Brmax.})	*M _{Brmax.} (Nm) at μ = 0,4	*M _{Brmin.} (Nm) at μ = 0,4	*M _{Brmin.} (% from M _{Brmax.})	*M _{Brmax.} (Nm) at μ = 0,4	*M _{Brmin.} (Nm) at μ = 0,4	*M _{Brmin.} (% from M _{Brmax.})
450	350	180	175	95	3150	1575	50									
500	400	230	200	120	3600	1800	50									
560	460	290	230	150	4140	2070	50	6440	3220	50						
630	530	360	265	185	4770	2385	50	7420	3710	50	10600	5830	55	0	0	0
710	610	440	305	225	5490	2745	50	8540	4270	50	12200	6710	55	15860	7930	50
800	700	530	350	270	6300	3150	50	9800	4900	50	14000	7700	55	18200	9100	50
900	800	630	400	320							16000	8800	55	20800	10400	50
1000	900	730	450	370							18000	9900	55	23400	11700	50