



\*) Average static coefficient of friction for standard material combination

\*\*\*) Only applies to BL 125-6 with brake disc diameter 450mm

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

For crane brake layout use safety factors documented in the FEM 1.001, Section 1 All dimensions in mm  
Alterations reserved without notice

Weight without thruster: ca. 270 kg			Thruster type		BL 125-6 (Weight: 24 kg)			BL 200-6 (Weight: 24 kg)			BL 300-6 (Weight: 33 kg)			BL 450-8 (Weight: 33 kg)			BL 550-8 (Weight: 33 kg)					
			Contact force in N		22500			35000			50000			65000			80000					
Disc- $\varnothing$ $d_2$	Friction- $\varnothing$ $d_1$	Max. hub- $\varnothing$ $d_4$	$e$	$k_1$	* $M_{Bmax.}$ (Nm) at $\mu = 0,4$			* $M_{Bmin.}$ (Nm) at $\mu = 0,4$			* $M_{Bmin.}$ (% from $M_{Bmax.}$ )			* $M_{Bmax.}$ (Nm) at $\mu = 0,4$			* $M_{Bmin.}$ (Nm) at $\mu = 0,4$			* $M_{Bmin.}$ (% from $M_{Bmax.}$ )		
					$\mu = 0,4$	$\mu = 0,4$	% from $M_{Bmax.}$	$\mu = 0,4$	$\mu = 0,4$	% from $M_{Bmax.}$	$\mu = 0,4$	$\mu = 0,4$	% from $M_{Bmax.}$	$\mu = 0,4$	$\mu = 0,4$	% from $M_{Bmax.}$	$\mu = 0,4$	$\mu = 0,4$	% from $M_{Bmax.}$			
450	350	175 (200**)	175	95	3150	1575	50															
500	400	225	200	120	3600	1800	50															
560	460	285	230	150	4140	2070	50	6440	3220	50												
630	530	355	265	185	4770	2385	50	7420	3710	50	10600	5830	55									
710	610	435	305	225	5490	2745	50	8540	4270	50	12200	6710	55	15860	7930	50	19520	9760	50			
800	700	525	350	270	6300	3150	50	9800	4900	50	14000	7700	55	18200	9100	50	22400	11200	50			
900	800	625	400	320							16000	8800	55	20800	10400	50	25600	12800	50			
1000	900	725	450	370							18000	9900	55	23400	11700	50	28800	14400	50			