

Made for Motion



Thruster Brakes

KTR-STOP® TB

INTRODUCING OUR KTR-STOP® TB

KTR's product portfolio is steadily expanding. You now have the chance to become acquainted with our most recent addition, the KTR-STOP® TB braking system, a highly beneficial solution. A plug and play design and integrated lifting device ensure that this spring-activated brake delivers a triple saving: on time, money and installation space. Thanks to its fail-safe concept, the breaking power is still guaranteed even if power supplies fail. Also included is an option to open the brake manually using the hand lifting device.

As with all KTR products, the KTR-STOP® TB can be tailored to customers' requirements. It is available ex works as a disc or drum brake with organic or sintered metal brake pads and a whole host of other options. The brake torque can also be adjusted once on site.

The KTR-STOP® TB offers yet another benefit in guaranteed compatibility since the drum brake complies with all DIN 15435 requirements and the disc brake version meets industry standards. It can thus be easily integrated into existing machinery.

PRODUCT FEATURES

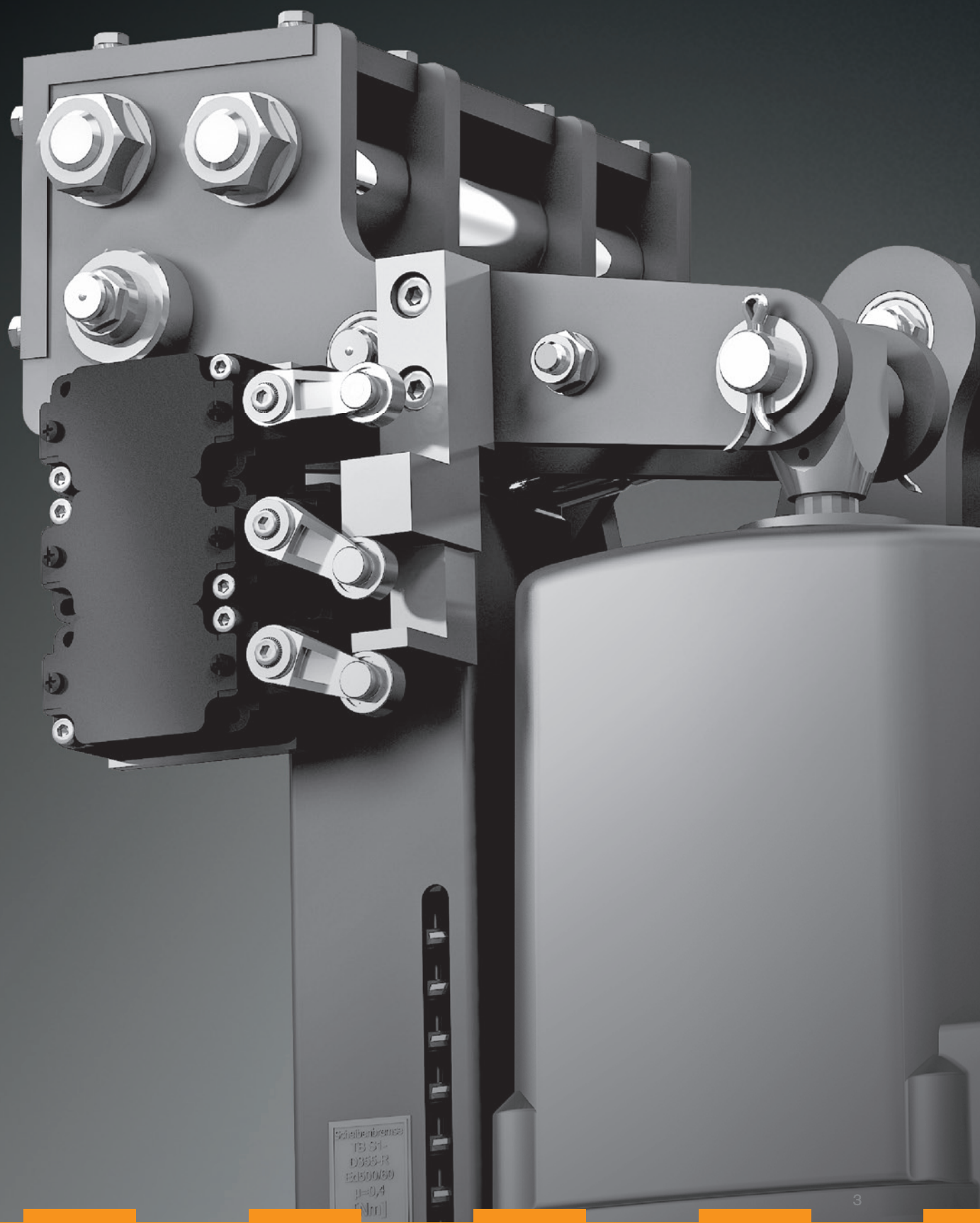
- disc brakes available in right-hand and left-hand version
- drum brakes design complies with DIN 15435
- disc brakes meet industry standards
- spring tube enclosed on all sides increases protection against dirt and damage
- adjustable brake torque

OPTIONS

- automatic wear adjustment
- hand lifting device
- end switch for brake status and pad wear
- incidence absorption
- alternative pad materials
- greaseable bearings (bushings)
- special paint finish

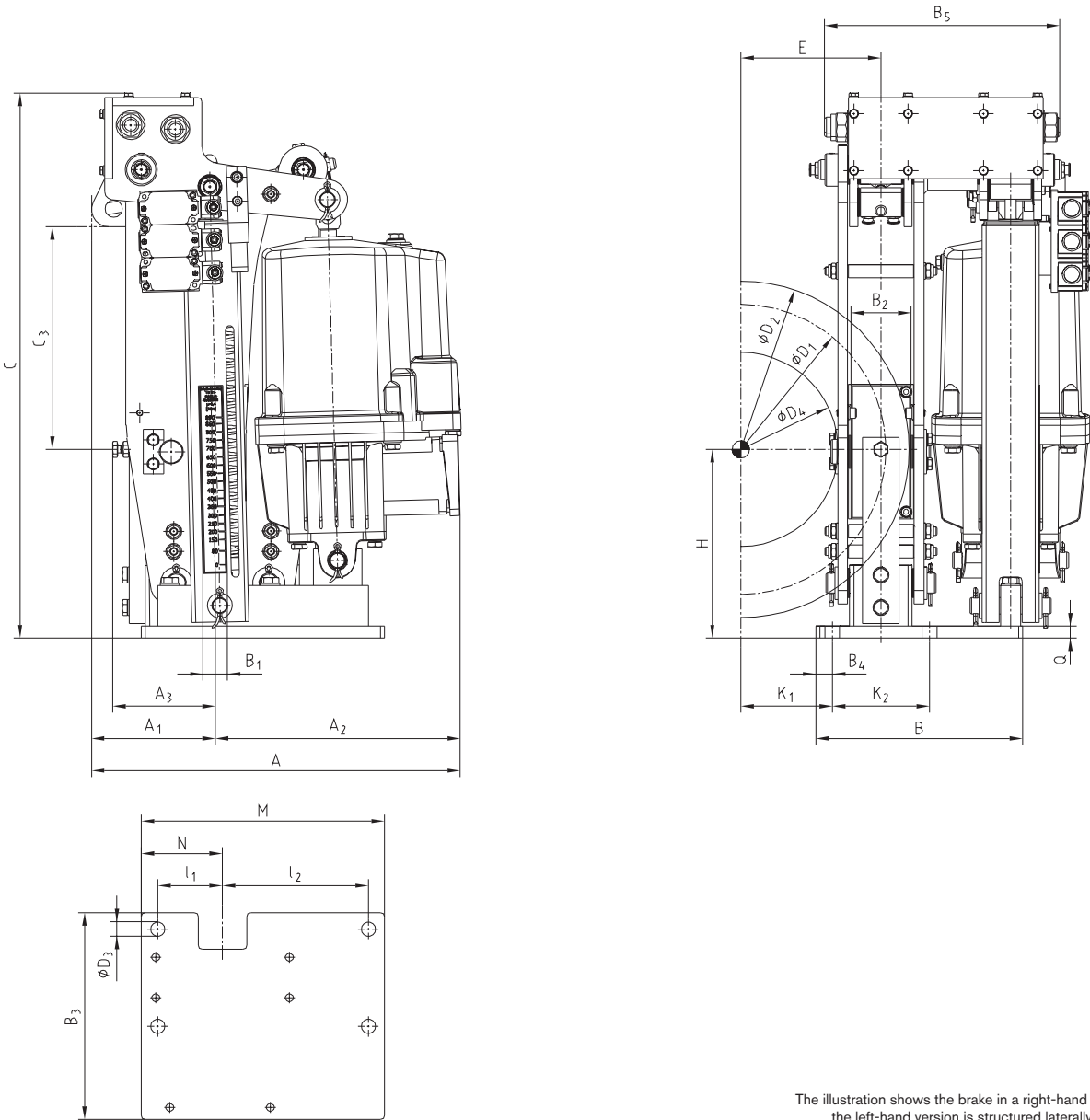
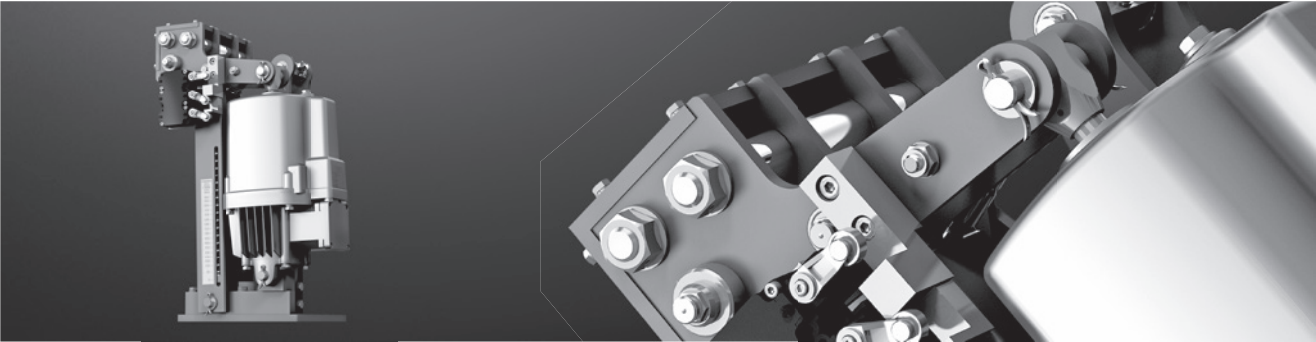
APPLICATION FIELDS

- crane systems/winches
- conveyor belts
- steelworks
- materials transport



KTR-STOP® TB S
Disc brake

Electrohydraulic brake system



The illustration shows the brake in a right-hand version R;
the left-hand version is structured laterally reversed.

Size S1																		
Lifting device	A _{max}	A1 _{max}	A2 _{max}	A3	B _{max}	B3	B4	B5 _{max}	C _{max}	C3	D3	H	I1	I2	K2	M	N	Q
Ed 230/50	470	195	275	125	312	255	20	290	675	260	18	230	80	180	120	300	100	15
Ed 300/50	465		270		312					260								
Ed 500/60	500		305		340					270								
Ed 800/60	500		305		340					270								
Brake disk										Brake pad		Weight		Max. braking torque in Nm, μ = 0,4 ¹⁾				
Size	D2	B1	D1	D4 _{max}	E	K1	B2	AB [cm ²]	[kg] ²	Ed 230/50	Ed 300/50	Ed 500/60	Ed 800/60					
S1	315	30	237	120	118	58	76	105	60	300	390	760	1200					
S1	355	30	277	160	138	78	76	105	60	350	455	890	1400					
S1	400	30	322	205	160	100	76	105	60	405	525	1030	1600					
S1	450	30	372	255	185	125	76	105	60	465	605	1190	1850					
S1	500	30	422	305	210	150	76	105	60	525	685	1350	2100					
S1	560	30	482	365	240	180	76	105	60	600	780	1540	2400					
S1	630	30	552	435	275	215	76	105	60	690	900	1760	2750					

Size S2																		
Lifting device	A _{max}	A1 _{max}	A2 _{max}	A3	B _{max}	B3	B4	B5 _{max}	C _{max}	C3	D3	H	I1	I2	K2	M	N	Q
Ed 500/60	615	255	360	165	366	300	20	365	870	350	22	280	130	130	140	300	150	18
Ed 800/60	615		360		366													
Ed 1250/60	605		350		405													
Ed 2000/60	605		350		405													
Brake disk										Brake pad			Weight		Max. braking torque in Nm, μ = 0,4 ¹⁾			
Size	D2	B1	D1	D ⁴ max	E	K1	B2	AB [cm ²]	[kg] ²	Ed 500/60	Ed 800/60	Ed 1250/60	Ed 2000/60					
S2	450	30	359	196	173	105	100	194	130	1050	1670	2560	4050					
S2	500	30	409	246	198	130	100	194	130	1195	1900	2910	4600					
S2	560	30	469	306	228	160	100	194	130	1375	2180	3340	5300					
S2	630	30	539	376	263	195	100	194	130	1575	2500	3830	6100					
S2	710	30	619	456	303	235	100	194	130	1810	2870	4400	7000					
S2	800	30	709	546	348	280	100	194	130	2100	3320	5100	8100					

Size S3																		
Lifting device	A _{max}	A _{1max}	A _{2max}	A3	B _{max}	B3	B4	B _{5max}	C _{max}	C3	D3	H	I1	I2	K2	M	N	Q
Ed 1250/60	620	285	335	190	472	370	30	436	1090	495	27	370	180	180	160	450	225	22
Ed 2000/60																		
Ed 3000/60																		
Ed 3000/120																		
Brake disk										Brake pad		Weight		Max. braking torque in Nm, μ = 0,4 ¹⁾				
Size	D2	B1	D1	D ⁴ max	E	K1	B2	AB [cm ²]	[kg] ²	Ed 1250/60	Ed 2000/60	Ed 3000/60	Ed 3000/120					
S3	630	30	520	305	256	170	125	309	265	3520	5700	8550	10100					
S3	710	30	600	385	296	210	125	309	265	4070	6600	9900	11650					
S3	800	30	690	475	341	255	125	309	265	4680	7600	11380	13400					
S3	900	30	790	575	391	305	125	309	265	5350	8650	13000	15200					

Dimensions in mm

¹⁾ Air gap each side approx 1.5 mm

The coefficient of friction each depends on the application respectively material of brake pad. Please consult with KTR.

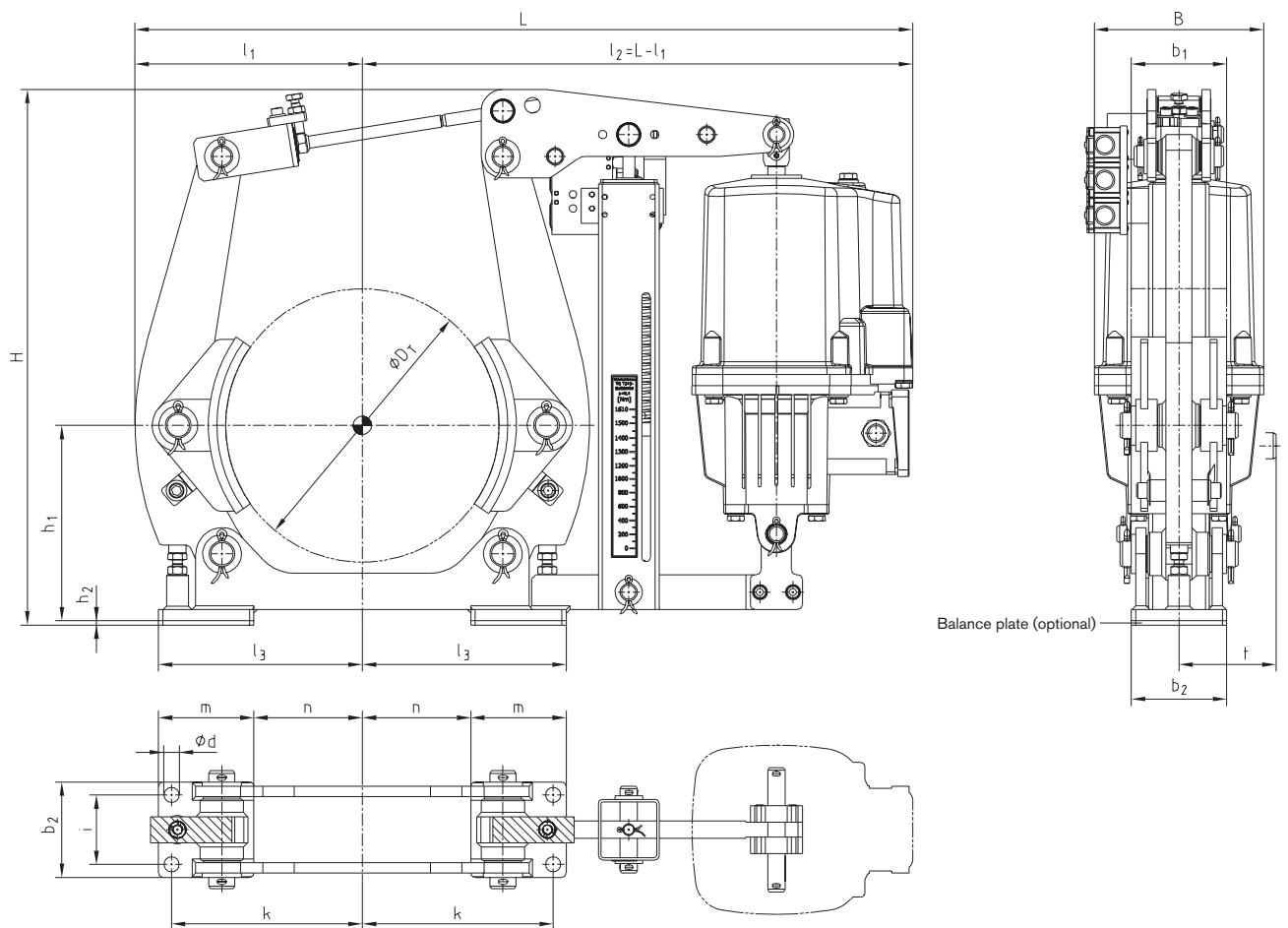
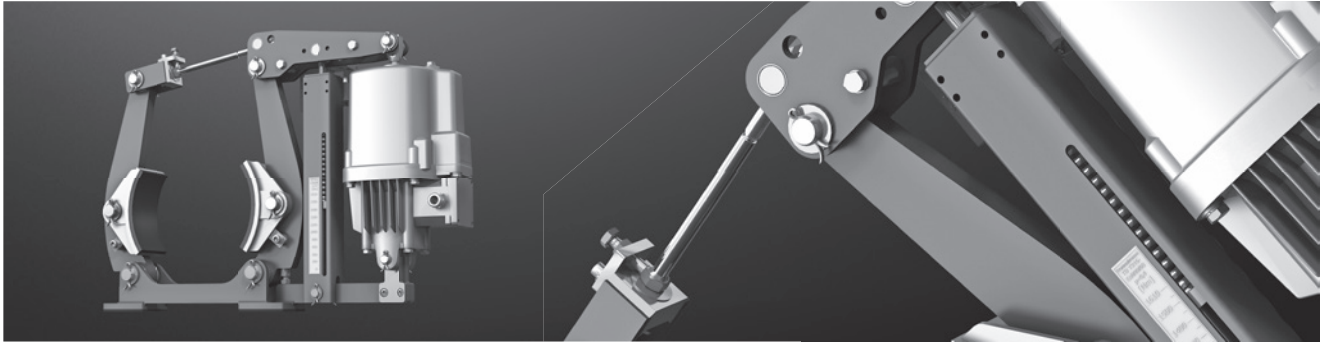
²⁾ Without thruster

Ordering example	KTR-STOP® TB	S1	-	Ed500/60	-	R
	KTR brake	Size		Thruster		Type

KTR-STOP® TB T

Drum brake

Electrohydraulic brake system



Drum brake																		
DT	Lifting device according to DIN 15 430	Braking torque ¹⁾	B	b1	b2	d	H	h1	h2	L	l1	l3	i	k	m	n	t	m ²⁾
[mm]		Nm for μ = 0,4	[mm]															[kg]
200	Ed 230/50	50 - 300	160	75	80	14	480	155	5	670	185	165	55	145	80	85	105	26
	Ed 300/50	50 - 420								670								
250	Ed 230/50	50 - 300	160	95	100	18	550	185	5	740	215	195	65	180	100	95	126	35
	Ed 300/50	50 - 425								740								
		Ed 500/60	80 - 800	195	95	100	18	550	185	5	775	215	195	65	180	100	95	126
315	Ed 230/50	80 - 375	160	118	110	18	640	225	5	875	265	235	80	220	110	125	151	54
	Ed 300/50	80 - 525								875								
	Ed 500/60	120 - 940	195				640			910								55
	Ed 800/60	120 - 1610																
400	Ed 230/50	120 - 375	160	150	140	22	720	270	10	1000	330	300	100	270	140	160	190	68
	Ed 300/50	120 - 525								1005								
	Ed 500/60	200 - 940	195				720			1040								70
	Ed 800/60	200 - 1610																
	Ed 1250/60	200 - 2580																
	Ed 2000/60	200 - 4000																
500	Ed 500/60	250 - 1250	195	190	180	22	880	330	10	1240	400	360	130	325	180	180	235	130
	Ed 800/60	250 - 2080								240								
	Ed 1250/60	250 - 3200																
	Ed 2000/60	250 - 5000																
	Ed 3000/60	250 - 7300																
630	Ed 1250/60	350 - 3200	240	236	220	27	1060	410	10	1380	475	445	170	400	220	225	285	195
	Ed 2000/60	350 - 5000																
	Ed 3000/60	350 - 7600																
710	Ed 1250/60	450 - 3600	240	265	240	27	1160	460	10	1535	535	500	190	450	240	260	320	240
	Ed 2000/60	450 - 5600																
	Ed 3000/60	450 - 8600																
	Ed 3000/120	1000 - 10000																

¹⁾ The coefficient of friction each depends on the application respectively material of brake pad. Please consult with KTR.

²⁾ Without thruster

Ordering example:	KTR-STOP® TB	T315	-	Ed500/60
	KTR brake	Size		Thruster



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