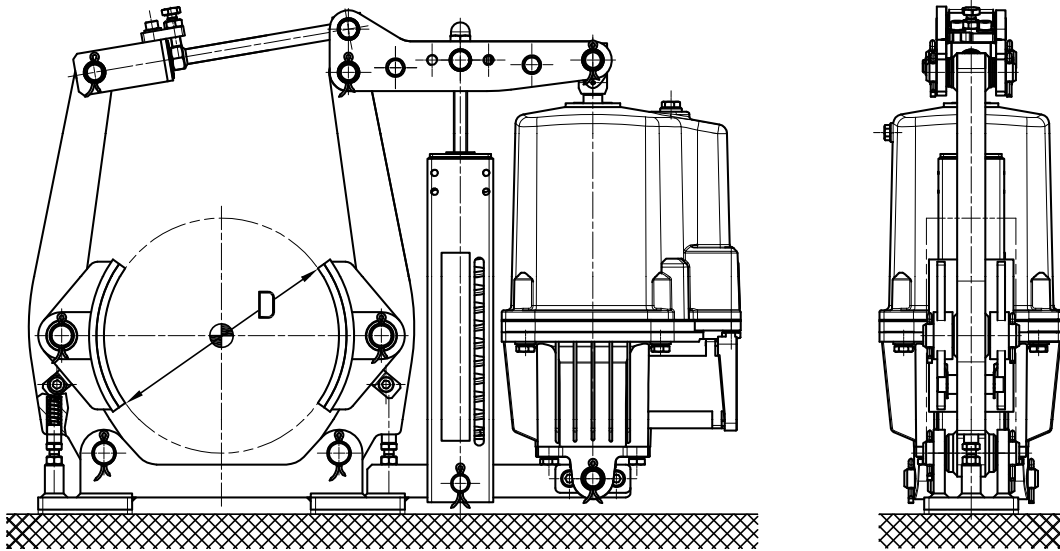


KORO RIW brakes have mounting dimensions according to DIN 15435 and therefore guarantee compability with identically constructed brakes of other manufacturers according to DIN 15435.

Type KRT (standard series):

- Single bar brake lever
- Adjustable stops for brake levers and brake shoes



Adjusting bolt to evenly lift brake shoes (recommended if brake drum axis centerline does not match the centerline between base plate mounting holes).





Common features of the series KRT

Function of brake:

- Braking by spring power
- Lifting by thruster
- Brake torque adjustable
- Brake closes in case of power failure (Fail-Safe Principle)

Type:

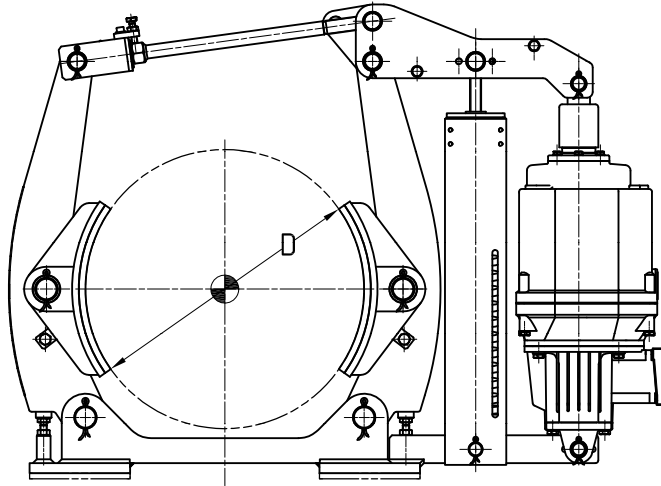
- Spring and thruster are mounted laterally
- Single bar brake lever, made of steel, small construction

Material:

- All supporting parts made of S S355J2+N (St52-3)
- All bolts made of 1.4104
- Pull – spring balancer rod made of V2A
- Crossed bolt, tie rod, traverse made of V2A
- Screws, Nut, cotter pin made of V2A or zinc-plated
- In all joints maintenance-free DU bushings

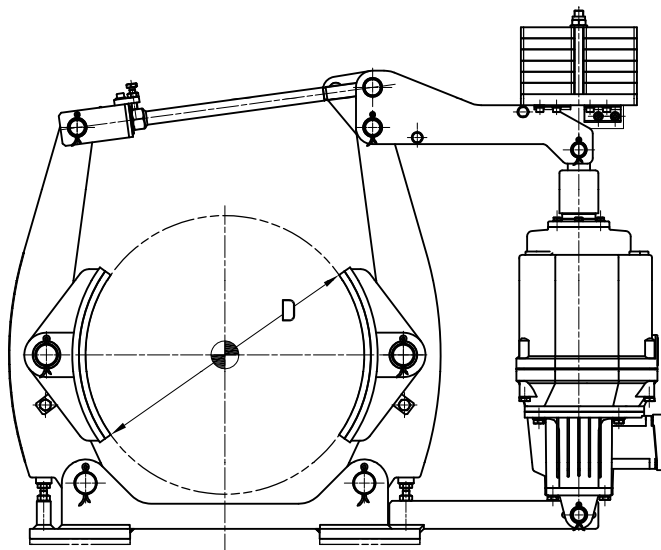
Special features:

- Brakes are made acc. to DIN 15 435, therefore interchangeability is guaranteed
- Enclosed spring tube protects spring from damage and contamination
- Brake torque adjustable, brake torque scale in Nm-segments for coefficient of friction $\mu = 0,4$
- Options and accessoires (selection):
 - automatic wear adjustment (AVN)
 - brake lining riveted and/or bonded
 - different lining qualities and different coefficients of friction are available
 - regreasable bearings (lubrication bolts)
 - special design for horizontal or suspended mounting with support
 - limit switches and monitoring devices for:
 - brake indication (open/closed), residual stroke, brake lining wear etc.
 - manual lifting



Type KRT

- Braking by spring power
- Lifting by thruster
- Torque adjustable
- Brake closes in case of power failure (Fail-Safe Principle)



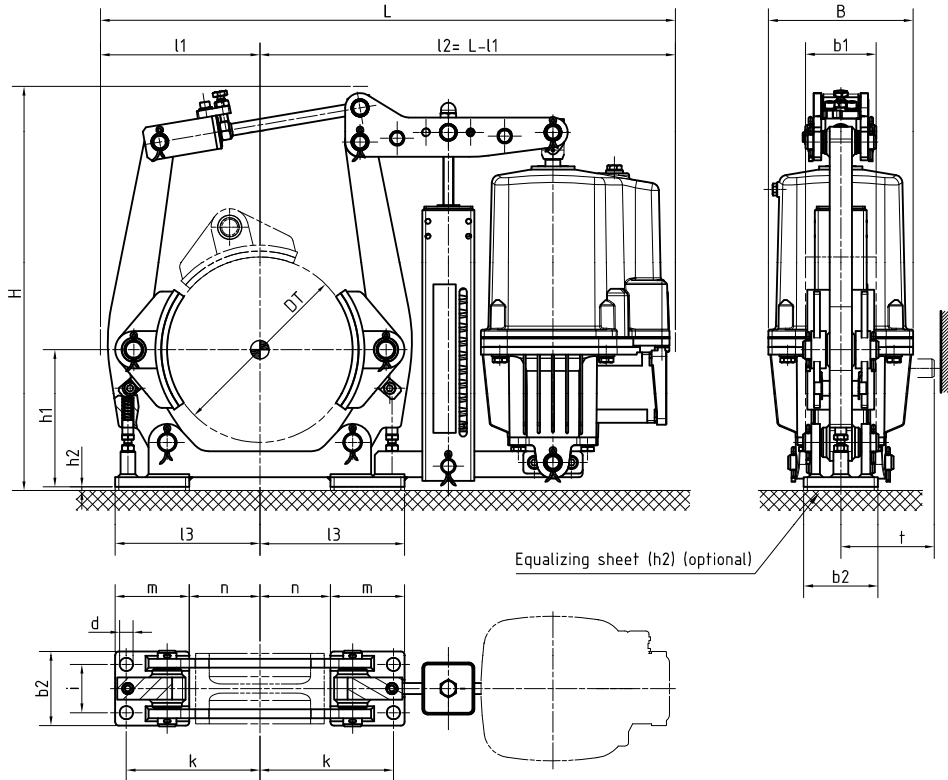
Type KRTG

- Braking by weight
- Lifting by thruster
- Torque adjustable
- Brake closes in case of power failure (Fail-Safe Principle)
- Other lifting devices available on request



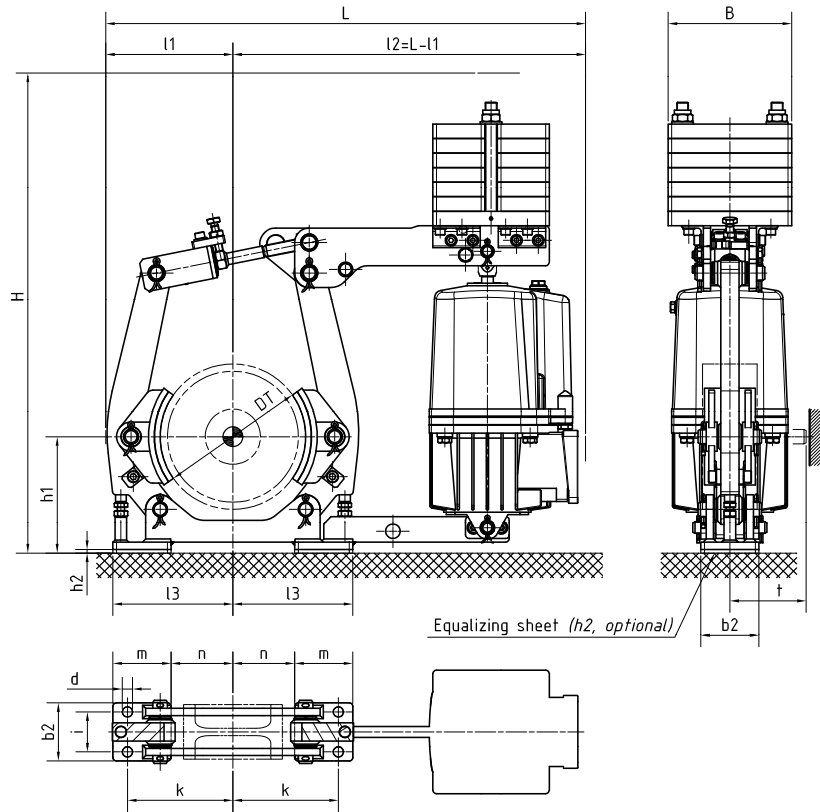
Drum Brake KRT

acc. to DIN 15 435



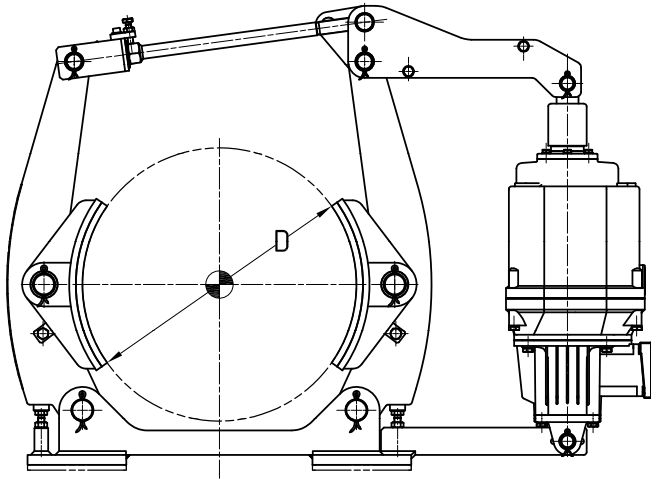
DT mm	Thruster acc. to DIN 15 430	Brake torque ¹⁾ Nm for $\mu = 0,4$	B	b1	b2	d	H	h1	h2	L	l1	l3	i	k	m	n	t	m ²⁾ kg	
																			mm
200	Ed 230 - 50	50 - 300	160	75	80	14	480	155	5	670	185	165	55	145	80	85	105	26	
	Ed 300 - 50	50 - 420								670									
250L	Ed 230 - 50	50 - 300	160	95	100	18	550	185	5	740	215	195	65	180	100	95	126	35	
	Ed 300 - 50	50 - 425								740									
250S	Ed 500 - 60	80 - 800	195	95	100	18	550	185	5	775	215	195	65	180	100	95	126	54	
	Ed 230 - 50	80 - 375								875									
315	Ed 300 - 50	80 - 525	160	118	110	18	640	225	5	875	265	235	80	220	110	125	151	55	
	Ed 500 - 60	120 - 940								910									
	Ed 800 - 60	120 - 1610								910									
	Ed 230 - 50	120 - 375								1000									
400L	Ed 300 - 50	120 - 525	160	150	140	22	720	270	10	1005	330	300	100	270	140	160	190	68	
	Ed 500 - 60	200 - 940								1040									
	Ed 800 - 60	200 - 1610								1040									
	Ed 1250 - 60	200 - 2580								1090									
400S	Ed 2000 - 60	200 - 4000	240	150	140	22	830	270	10	1090	330	300	100	270	140	160	190	95	
	Ed 500 - 60	250 - 1250								1240									
500	Ed 800 - 60	250 - 2080	195	190	180	22	880	330	10	1240	400	360	130	325	180	180	235	130	
	Ed 1250 - 60	250 - 3200								1230									
	Ed 2000 - 60	250 - 5000								1230									
	Ed 3000 - 60	350 - 7300								1230									
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								1380									
710	Ed 3000 - 60	350 - 7600	240	265	240	27	1160	460	10	1535	535	500	190	450	240	260	320	240	
	Ed 1250 - 60	450 - 3600								1535									
	Ed 2000 - 60	450 - 5600								1535									
	Ed 3000 - 60	450 - 8600								1535									
	Ed 3000 - 120	1000 - 10000																	

- Friction coefficient can be subject to fluctuations caused by different operating factors such as sliding speed, surface pressure, thermal impact, condition of friction surface, brake drum material and ambient conditions. If calculating brake sizes DIN 15 434 should be used as reference. The stated brake torque values are for dynamic braking at operating speed till 25 m/sec. and brake drums made of cast iron or spherical graphite iron. The operating temperature should not exceed 200 °C.
- Without thruster.



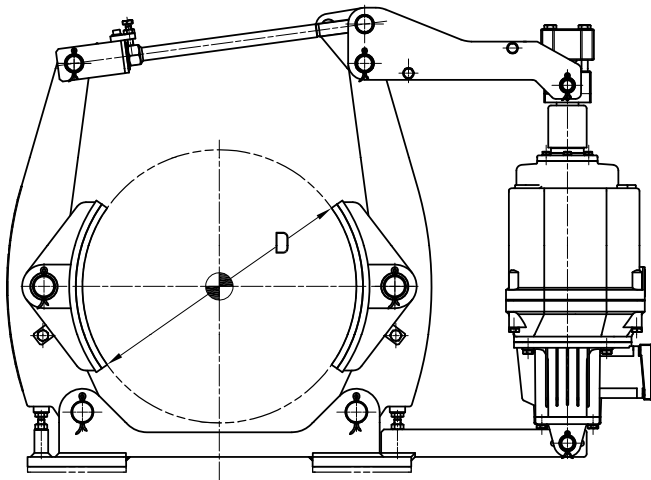
DT mm	Thruster acc. to DIN 15 430	Brake torque ¹⁾ Nm for $\mu = 0,4$	B	b1	b2	d	H ³⁾	h1	h2	L	l1	l3	i	k	m	n	t	kg ²⁾		
																			mm	
200	Ed 230 - 50	50 - 300	200	75	80	14	550	155	5	645	180	175	55	145	90	85	105	21		
	Ed 300 - 50	50 - 420					575			640										
250L	Ed 230 - 50	50 - 300	200	95	100	18	580	185	5	707	207	205	65	180	100	105	126	26		
	Ed 300 - 50	50 - 425					605			702										
250S	Ed 500 - 60	120 - 800	235	95	100	18	670	185	5	767	207	205	65	180	100	105	126	28		
	Ed 230 - 50	80 - 375					690			835										
315	Ed 300 - 50	80 - 525	200	118	110	18	715	225	5	830	260	245	80	220	110	135	151	44		
	Ed 500 - 60	120 - 940					730													
	Ed 800 - 60	120 - 1610	795	870	46															
400L	Ed 230 - 50	120 - 375	200	150	140	22	755	270	10	962	322	300	100	270	120	180	190	58		
	Ed 300 - 50	120 - 525					780			957										
	Ed 500 - 60	200 - 940	235				790			997								60		
	Ed 800 - 60	200 - 1610					855			995										
400S	Ed 1250 - 60	170 - 2580	280	150	140	22	995	270	10	1052	322	300	100	270	120	180	190	85		
	Ed 2000 - 60	170 - 4000					1115													
500	Ed 500 - 60	250 - 1250	235	190	180	22	960	330	10	1195	395	360	130	325	140	220	235	120		
	Ed 800 - 60	250 - 2080					1025													
	Ed 1250 - 60	250 - 3200	280				1045			1185										
	Ed 2000 - 60	250 - 5000					1165													
630	Ed 1250 - 60	350 - 3200	280	236	220	27	1225	410	10	1340	470	445	170	400	160	285	285	175		
	Ed 2000 - 60	350 - 5000					1345													
	Ed 3000 - 60	350 - 7600					1510											180		
710	Ed 1250 - 60	450 - 3600	305	265	240	27	1285	460	10	1485	530	500	190	450	180	320	320	225		
	Ed 2000 - 60	450 - 5600					1385													
	Ed 3000 - 60	450 - 8600					1525											230		
	Ed 3000-120	1000 -10000					1585													

- 1) Friction coefficient can be subject to fluctuations caused by different operating factors such as sliding speed, surface pressure, thermal impact, condition of friction surface, brake drum material and ambient conditions. If calculating brake sizes DIN 15 434 should be used as reference. The stated brake torque values are for dynamic braking at operating speed till 25 m/sec. and brake drums made of cast iron or spherical graphite iron. The operating temperature should not exceed 200 °C.
- 2) Without thruster.
- 3) The measure H can vary depending on the brake features. Exact measure H should be requested project specifically.



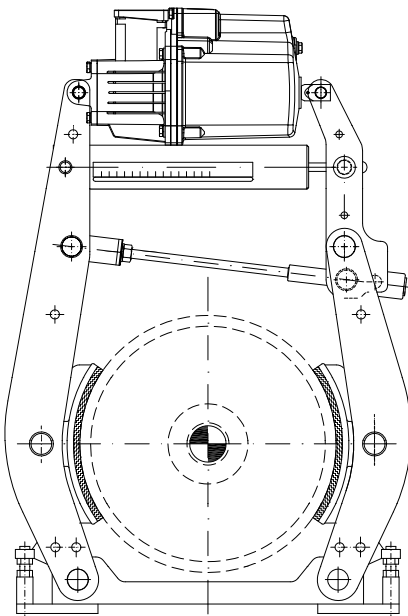
Type KRTC

- For thruster with integrated spring (c-pring)
- Brake torque not adjustable
- Brake closes in case of power failure (Fail-Safe Principle)
- Other lifting devices on request



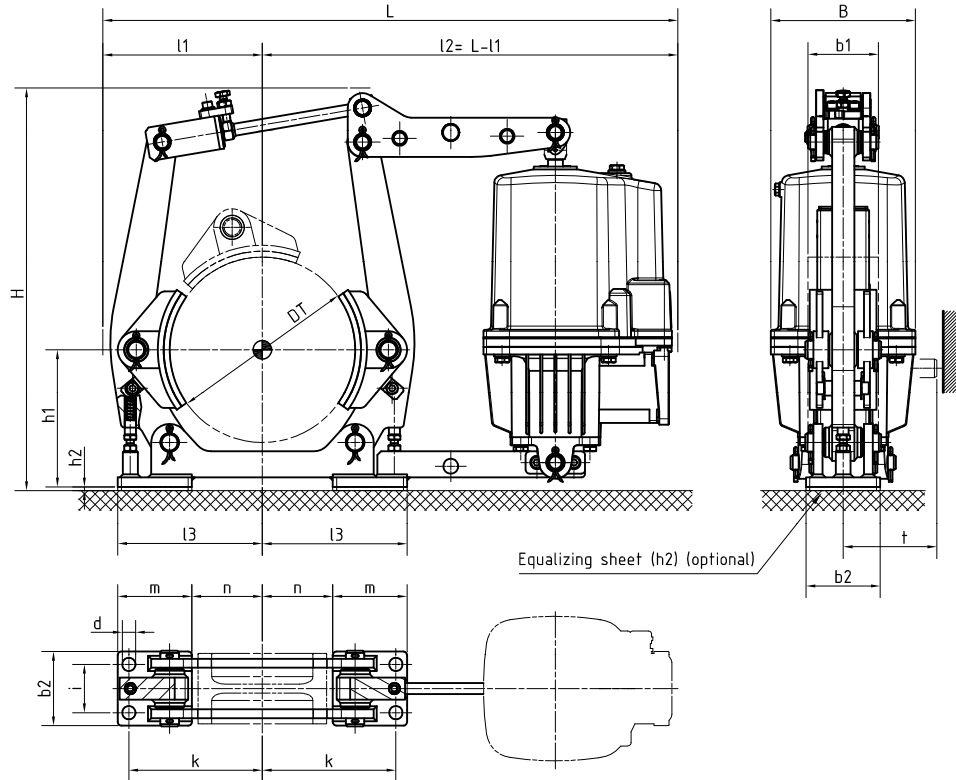
Type KRTR

- For thruster with integrated brake and regulating spring (c- and d-spring) to develop a lowering- and regulating brake action
- Brake closes in case of power failure (Fail-Safe Principle)



Type KRTSL

- Braking by spring power
- Lifting by thruster
- Torque adjustable
- Brake closes in case of power failure (Fail-Safe Principle)
- Other lifting devices available on request

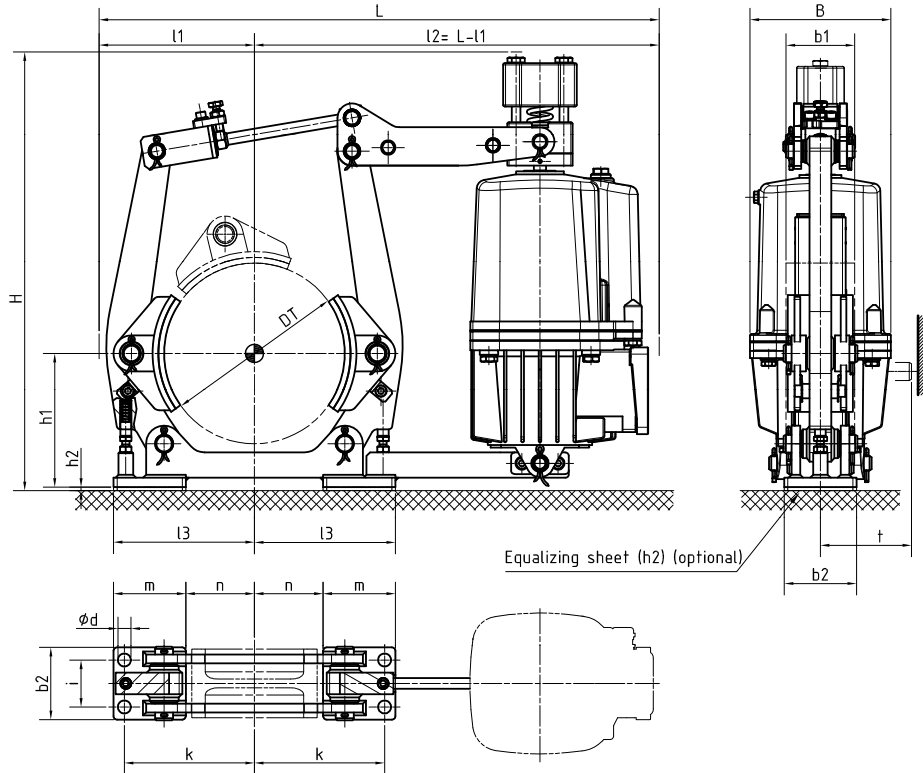


DT mm	Thruster acc. to DIN 15 430	Brake torque ¹⁾ Nm for $\mu = 0,4$	B	b1	b2	d	H	h1	h2	L	l1	l3	i	k	m	n	t	kg ²⁾
mm																		
200	Ed 230-50 c	260	160	75	80	14	475	155	5	645	180	175	55	145	90	85	105	21
	Ed 300-50 c	400								640								
250L	Ed 230-50 c	270	160	95	100	18	505	185	5	707	207	205	65	180	100	105	126	26
	Ed 300-50 c	410								702								
250S	Ed 500-60 c	810	195	95	100	18	550	185	5	767	207	205	65	180	100	105	126	28
	Ed 230-50 c	330								835								
315	Ed 300-50 c	510	160	118	110	18	615	225	5	830	260	245	80	220	110	135	151	44
	Ed 500-60 c	1.010																
	Ed 800-60 c	1.670	195	610	870	260	245	80	220	110	135	151	46					
	Ed 1250-60 c	2.640	240	236	220	27	1020	410	10	1340	470	445	170	400	160	285	285	175
400L	Ed 230-50 c	340	160	150	140	22	680	270	10	962	322	300	100	270	120	180	190	58
	Ed 300-50 c	520								957								
	Ed 500-60 c	1.030	195	190	180	22	670	330	10	997	395	360	130	325	140	220	235	120
	Ed 800-60 c	1.710								1185								
400S	Ed 1250-60 c	2.640	240	236	220	27	1020	410	10	1340	470	445	170	400	160	285	285	180
	Ed 2000-60 c	4.140																
500	Ed 500-60 c	1.250	195	190	180	22	840	330	10	1195	395	360	130	325	140	220	235	120
	Ed 800-60 c	2.070																
	Ed 1250-60 c	3.300	240	236	220	27	1020	410	10	1340	470	445	170	400	160	285	285	175
	Ed 2000-60 c	5.170																
630	Ed 1250-60 c	3.720	265	265	240	27	1110	460	10	1485	530	500	190	450	180	320	320	225
	Ed 2000-60 c	5.840																
	Ed 3000-60 c	8.310																

- 1) Friction coefficient can be subject to fluctuations caused by different operating factors such as sliding speed, surface pressure, thermal impact, condition of friction surface, brake drum material and ambient conditions. If calculating brake sizes DIN 15 434 should be used as reference. The stated brake torque values are for dynamic braking at operating speed till 25 m/sec. and brake drums made of cast iron or spherical graphite iron. The operating temperature should not exceed 200 °C.
- 2) Without thruster.

Drum Brake KRTR

electro-hydraulically operated



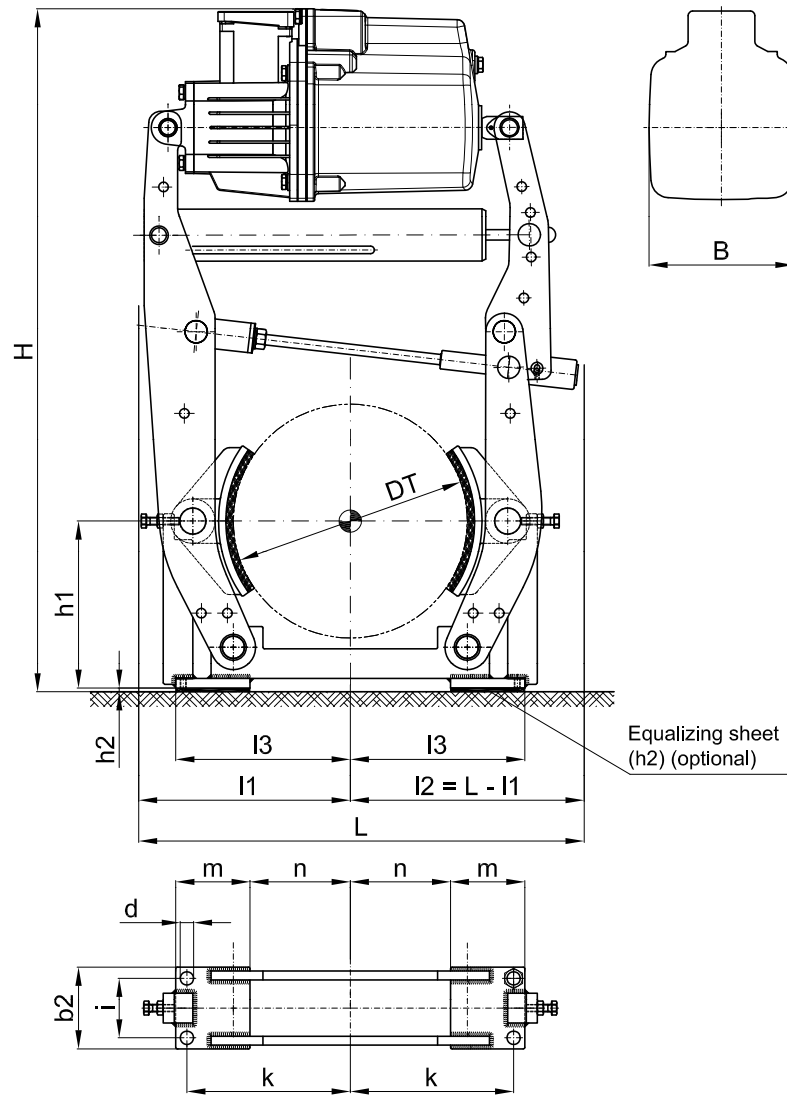
DT mm	Thruster acc. to DIN 15 430	Brake torque ¹⁾ Nm for $\mu = 0,4$	B	b1	b2	d	H	h1	h2	Mm								kg ²⁾			
										L	l1	l3	i	k	m	n	t				
200	Ed 230 - 50	90	160	75	80	14	475	155	5	645	180	175	55	145	90	85	105	21			
	Ed 300 - 50	130								640											
250L	Ed 230 - 50	115	160	95	100	18	505	185	5	707	207	205	65	180	100	105	126	26			
	Ed 300 - 50	165								702											
250S	Ed 500 - 60	288	195	95	100	18	550	185	5	767	207	205	65	180	100	105	126	28			
315	Ed 230 - 50	140	160	118	110	18	615	225	5	835	260	245	80	220	110	135	151	44			
	Ed 300 - 50	210								830											
	Ed 500 - 60	360	195				610	870	260	245	80	220	110	135	151	46					
	Ed 800 - 60	590																			
400L	Ed 230 - 50	180	160	150	140	22	680	270	10	962	322	300	100	270	120	180	190	58			
	Ed 300 - 50	265								957											
	Ed 500 - 60	455	195				670	997	322	300	100	270	120	180	190	60					
	Ed 800 - 60	755																			
400S	Ed 1250 - 60	1210	240	150	140	22	790	270	10	1052	322	300	100	270	120	180	190	85			
	Ed 2000 - 60	1900																			
500	Ed 500 - 60	580	195	190	180	22	840	330	10	1195	395	360	130	325	140	220	235	120			
	Ed 800 - 60	945								1185											
	Ed 1250 - 60	1510	240				190	180	22	840	330	10	1185	395	360	130	325	140	220	235	120
	Ed 2000 - 60	2390																			
630	Ed 1250 - 60	1900	240	236	220	27	1020	410	10	1340	470	445	170	400	160	285	285	175			
	Ed 2000 - 60	3010																180			
	Ed 3000 - 60	4440																			
710	Ed 1250 - 60	2150	265	265	240	27	1110	460	10	1485	530	500	190	450	180	320	320	225			
	Ed 2000 - 60	3400																230			
	Ed 3000 - 60	5010																			

- Friction coefficient can be subject to fluctuations caused by different operating factors such as sliding speed, surface pressure, thermal impact, condition of friction surface, brake drum material and ambient conditions. If calculating brake sizes DIN 15 434 should be used as reference. The stated brake torque values are for dynamic braking at operating speed till 25 m/sec. and brake drums made of cast iron or spherical graphite iron. The operating temperature should not exceed 200 °C.
- Without thruster.



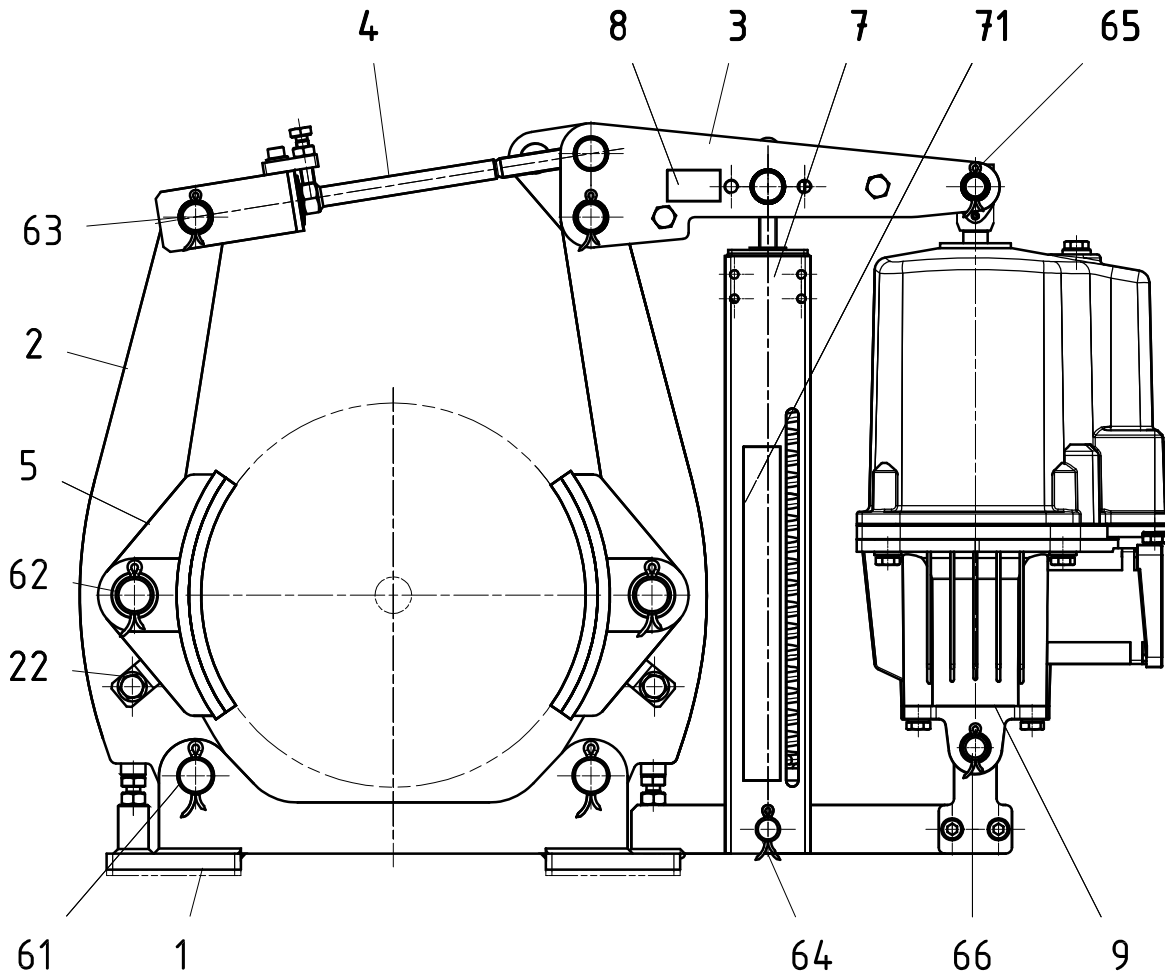
Drum Brake KRTSL

electro-hydraulically operated

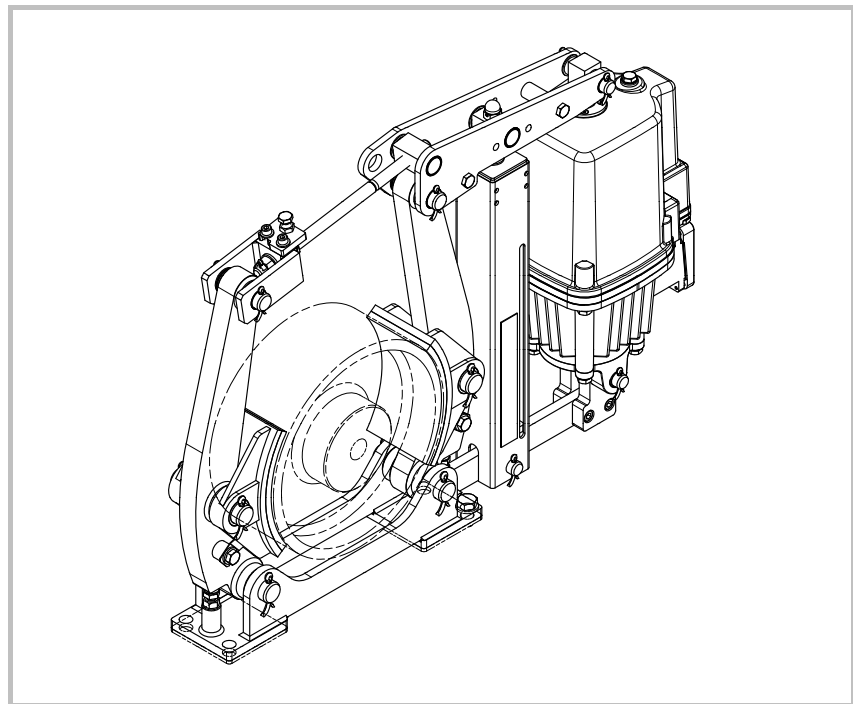


DT mm	Thruster acc. to DIN 15 430	Brake torque ¹⁾ Nm for $\mu = 0,4$	B	b1	b2	d	H	h1	h2	L	l1	l3	i	k	m	n	t	kg ²⁾
Mm																		
200	Ed 230 - 50	50 - 300	160	75	80	14	695	155	5	440	210	165	55	145	80	85	105	21
	Ed 300 - 50	50 - 420																
250L	Ed 230 - 50	50 - 300	160	95	100	18		185	5				65	180	90	105	126	26
	Ed 300 - 50	50 - 425																
250S	Ed 500 - 60	120 - 800	195															28
	Ed 230 - 50	80 - 375																
315	Ed 300 - 50	80 - 525	160	118	110	18		225	5		285	235	80	220	100	135	151	44
	Ed 500 - 60	120 - 940																
	Ed 800 - 60	120 - 1610	195				920		600									
400	Ed 230 - 50	120 - 375	160	150	140	22		270	10	670	335	290	100	270	110	180	190	58
	Ed 300 - 50	120 - 525																
	Ed 500 - 60	200 - 940	195				990											60
	Ed 800 - 60	200 - 1610																

- 1) Friction coefficient can be subject to fluctuations caused by different operating factors such as sliding speed, surface pressure, thermal impact, condition of friction surface, brake drum material and ambient conditions. If calculating brake sizes DIN 15 434 should be used as reference. The stated brake torque values are for dynamic braking at operating speed till 25 m/sec. and brake drums made of cast iron or spherical graphite iron. The operating temperature should not exceed 200 °C.
- 2) Without thruster.



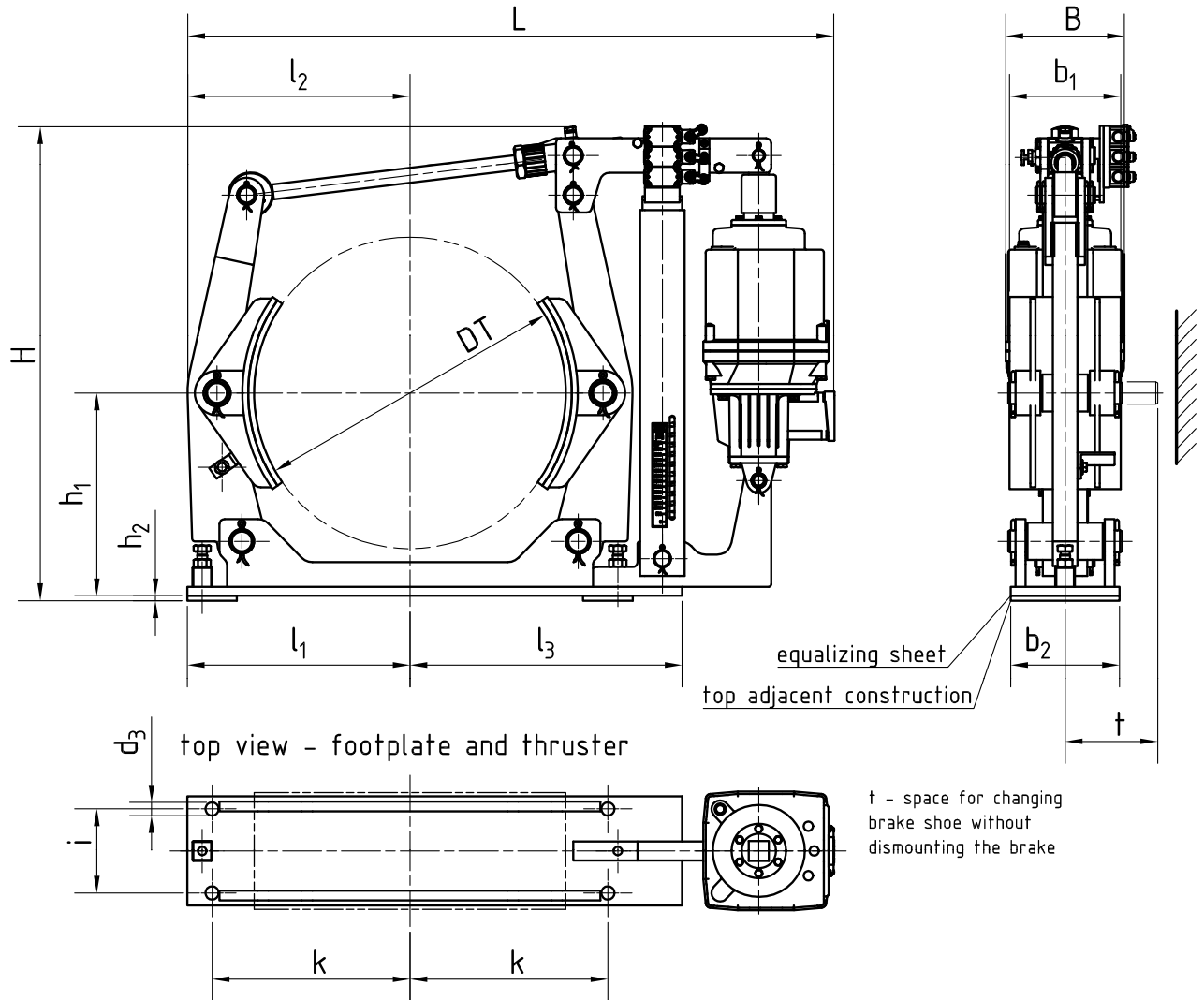
- 1 Foot plate
- 2 Brake lever
- 3 Knee lever unit complete
- 22 Brake shoe clamping spring with fastening parts
- 4 Pull rods complete
- 6 Brake shoe with lining
2 Bolts Pos. 61,62,63
- 7 1 Bolt Pos. 64,65,66
Spring unit
- 71 complete
- 8 Brake torque scale
- 9 Type plate
Thruster





Enquiry Sheet

drum brake



t - space for changing
brake shoe without
dismounting the brake

Dimensions:

B: _____ [mm]	DT: _____ [mm]	i: _____ [mm]	l_2 : _____ [mm]
b_1 : _____ [mm]	H: _____ [mm]	K: _____ [mm]	l_3 : _____ [mm]
b_2 : _____ [mm]	h_1 : _____ [mm]	L: _____ [mm]	t: _____ [mm]
d_3 : _____ [mm]	h_2 : _____ [mm]	l_1 : _____ [mm]	

Requirements:



Sender:	Project:
	Person in charge:
	Date:

Necessary technical details:

for hoisting gear		for crane and trolley carriage	
1. Driving mechanism group	___	1. Total weight	___ kg
2. Hoisting load	___ kg	2. Speed	___ m/s
3. Load of traverse or misc.	___ kg	3. Amount of driven and hoisting gears	___
4. Speed of hoist with load	___ m/min	4. Motor capacity per gear	___ kW
5. Lowering speed with load	___ m/min	5. Nominal speed of motor	___ 1/min
6. Amount of motors / brakes	___	6. Switching period	___ ED
7. Nominal capacity of motor	___ kW	7. Braking interval	___ 1/h
8. Nominal speed of motor	___ 1/min	8. Necessary breaking time	___ s
9. Switching period	___ ED	9. Mass moment of inertia	___ kgm ²
10. Brake intervals per hour	___ 1/h	10. Wind force	___ N
11. Mass moment of inertia	___ kgm ²	11. Force of gravity	___ N
12. Block and tackle ratio	___	12. Diameter of wheel / idler	___ m
13. Rope drum diameter	___ mm	13. Gear ratio	___
14. Gear/Transmission ratio	___	14. Rolling resistance	___

for continuous conveyer		for rotating systems	
1. Conveying capacity	___ kg/h	1. Total mass moment of inertia	___ kgm ²
2. Conveying speed	___ m/s	2. Speed	___ 1/min
3. Number of drives	___	3. Amount of motors / brakes	___
4. Capacity of drive	___ kW	4. Drive capacity	___ kW
5. Speed of motor	___ 1/min	5. Brake intervals per hour	___ 1/h
6. Conveying heights	___ m	6. Necessary braking time	___ s
7. Conveying lengths	___ m	7. Static moment	___ Nm
8. Angle of incline / decline	___ °		
9. Mass moment of inertia	___ kgm ²		
10. Brake intervals per hour	___ 1/h		



General information / Function of brake:

	Brake	Lifting
Spring power	<input type="checkbox"/>	<input type="checkbox"/>
Brake lifting device	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic cylinder	<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic cylinder	<input type="checkbox"/>	<input type="checkbox"/>
Electro magnet	<input type="checkbox"/>	<input type="checkbox"/>
Actuator	<input type="checkbox"/>	<input type="checkbox"/>
Mecanically manual	<input type="checkbox"/>	<input type="checkbox"/>

Type of brake: Holding brake Stop brake Emerg. stop brake Regulating brake

Brake drum/disk: material: _____ make and type: _____

Environmental conditions: area of activity: _____

Ambient temperature: from ____ to ____ °C humid dry

Brake with protective cover: yes no ambient atmosphere: oily dusty

Further details / criteria:
