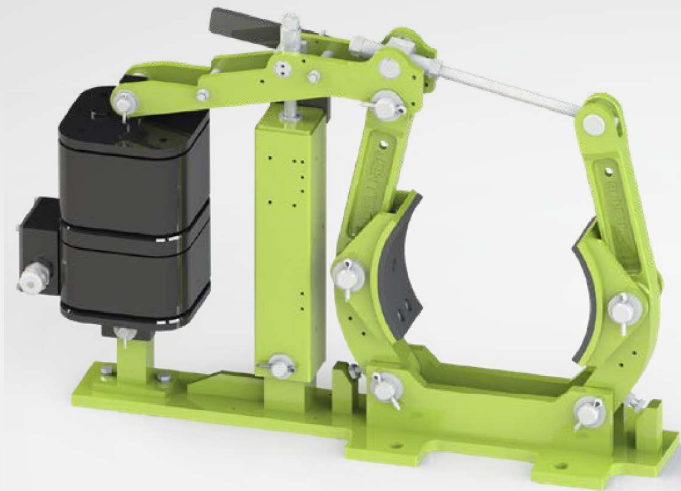




EBA

The EBA is a powerful drum brake with braking torques from 24 (ft-lb) to 9000 (ft-lb) that meets AISE (TR11) & NEMA (ICS 8) standards.

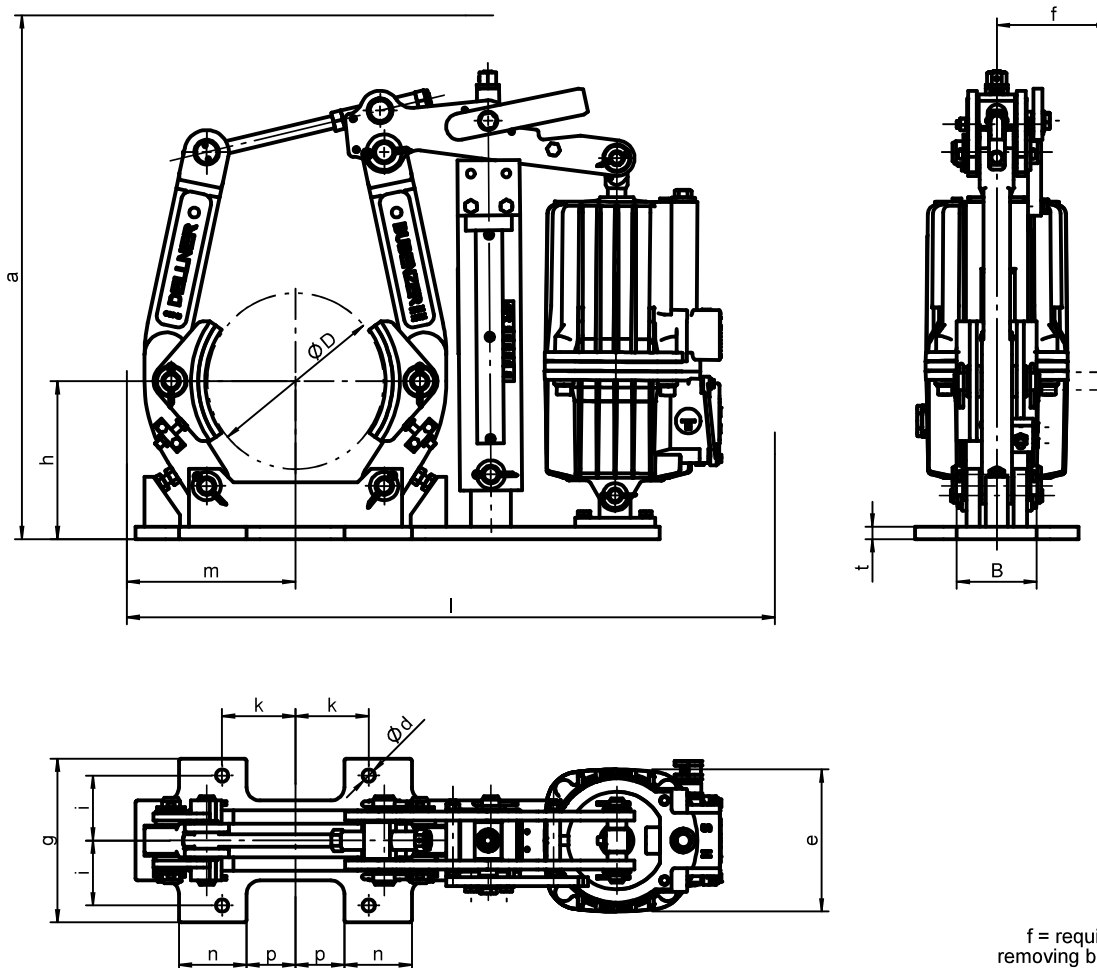
TORQUE: Up to 9000 (ft-lb)

MAIN FEATURES:

- According to AISE (TR11) & NEMA (ICS 8) standards
- Continuously adjustable brake spring enclosed in a square tube with torque scale
- Self-lubricating bushings mean brakes are easy to service, no greasing necessary
- Equal air gap by adjustable lever stops
- Different thrusters (Buel® or ELDRO®)
- Brake shoes with non-asbestos, organic linings
- Shoe clamping springs which prevent brake shoes from tipping when released
- Pins and main spindle of stainless steel
- Uncoated parts and screws of stainless steel

OPTIONS:

- Automatic wear compensator
- Proximity switch release control
- Proximity switch pad wear
- Proximity switch hand release
- Manual release lever with or w/o interlock
- Low mount hand release lever
- Monitoring systems (e.g. VSR/CMB)
- Brake drums with hubs or couplings
- Weather execution (special paint and coating) for outdoor use
- Foot pedal operation or remote operation via BRAKEMATIC®
- DC (Direct Current) supply voltage available with ELDRO® Eg



f = required space for removing brake shoe pin

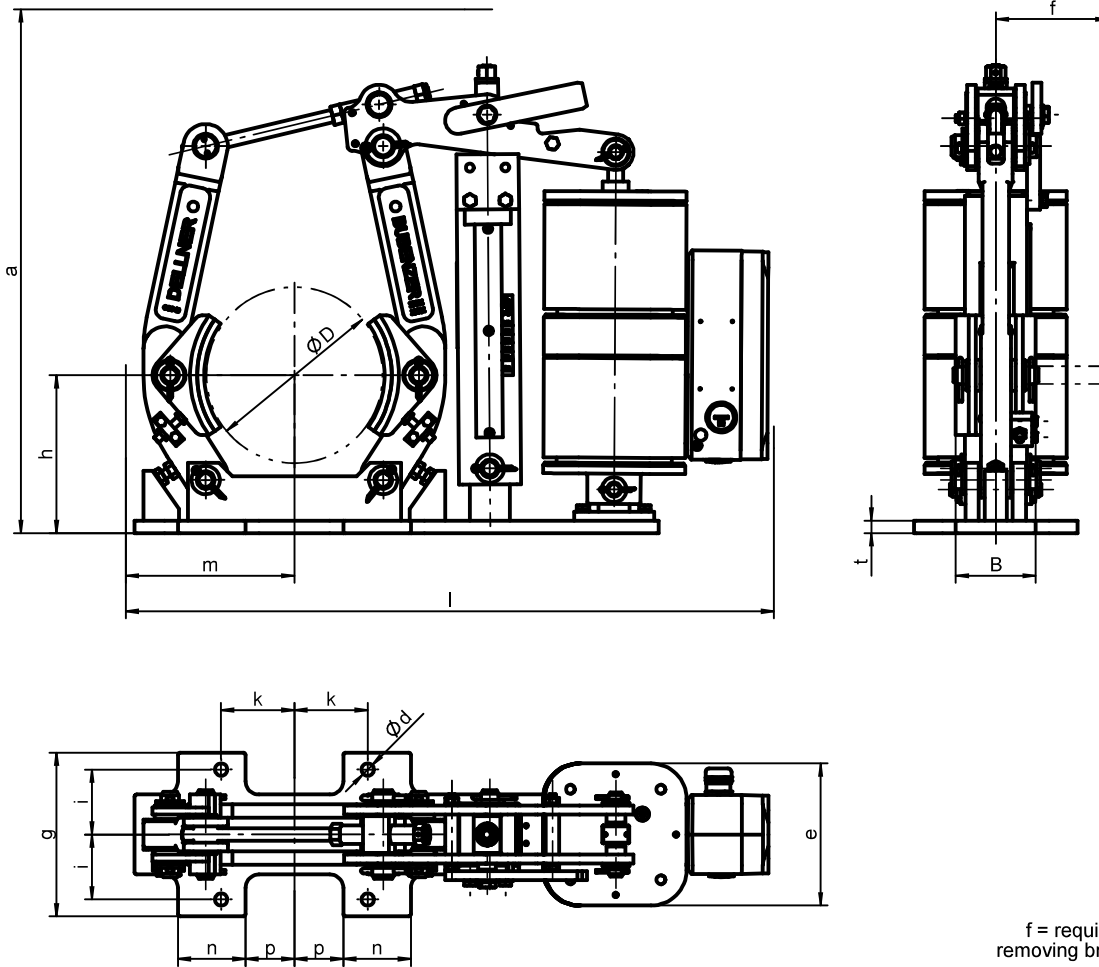
*) Average static friction factor of standard material combination

**) AISE-NEMA does not define a 6-inch drum brake

All dimensions in inches
Alterations reserved without notice

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

Brake type	Thruster type	* M _{Br max.} (ft-lb) μ = 0.4	* M _{Br min.} (ft-lb) μ = 0.4	D	B	h	a _{max.}	f	d	e	g	t	i	k	l _{max.}	m	n	p	lbs
EBA6 - 12/4 **	Ed 12/4	47	24	6	2.50	5.25	16.93	5.00	0.47	4.33	5.91	0.31	2.25	2.75	21.65	5.71	2.76	1.96	62
EBA6 - 23/5 **	Ed 23/5	110	55	6	2.50	5.25	16.93	5.00	0.47	6.30	5.91	0.31	2.25	2.75	21.65	5.71	2.76	1.96	66
EBA8 - 23/5	Ed 23/5	170	85	8	3.00	7.00	21.26	5.00	0.69	6.30	7.25	0.55	2.88	3.25	26.18	7.28	3.00	2.17	108
EBA8 - 30/5	Ed 30/5	260	130	8	3.00	7.00	23.23	5.00	0.69	6.30	7.25	0.55	2.88	3.25	26.38	7.28	3.00	2.17	119
EBA10 - 23/5	Ed 23/5	230	115	10	3.50	8.38	21.65	5.51	0.69	6.30	8.00	0.59	3.13	4.00	31.10	8.46	3.50	2.76	130
EBA10 - 30/5	Ed 30/5	330	165	10	3.50	8.38	22.05	5.51	0.69	6.30	8.00	0.59	3.13	4.00	31.30	8.46	3.50	2.76	141
EBA13 - 30/5	Ed 30/5	400	200	13	5.50	9.88	28.15	6.50	0.81	6.30	11.00	0.59	4.50	5.75	35.83	11.02	4.33	4.53	16
EBA13 - 50/6	Ed 50/6	750	375	13	5.50	9.88	28.23	6.50	0.81	7.68	11.00	0.59	4.50	5.75	38.98	11.02	4.33	4.53	236
EBA16 - 50/6	Ed 50/6	800	400	16	6.50	12.13	28.98	8.07	1.06	7.68	13.25	0.79	5.38	7.50	43.11	12.60	5.12	5.51	302
EBA16 - 80/6	Ed 80/6	1250	625	16	6.50	12.13	29.53	8.07	1.06	7.68	13.25	0.79	5.38	7.50	43.11	12.60	5.12	5.51	304
EBA19 - 121/6	Ed 121/6	2138	1069	19	8.75	13.25	32.95	9.65	1.06	9.45	16.14	0.79	6.50	9.25	50.00	15.35	7.48	7.09	547
EBA23 - 301/6	Ed 301/6	4100	2050	23	9.50	15.88	38.98	12.01	1.31	9.45	18.74	0.79	8.00	11.75	52.56	18.50	7.17	9.76	697
EBA30 - 300/12	Ed 301/12	9000	4500	30	13.50	20.75	49.21	13.62	1.56	9.45	23.03	1.18	9.50	15.00	71.65	23.62	10.24	9.84	1590



f = required space for
removing brake shoe pin

*) Average static friction factor of
standard material combination

**) AISE-NEMA does not define
a 6-inch drum brake

All dimensions in inches
Alterations reserved without notice

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

Brake type	Thruster type	* M _{Br max.} (ft-lb) μ = 0.4	* M _{Br min.} (ft-lb) μ = 0.4	D	B	h	a _{max.}	f	d	e	g	t	i	k	l _{max.}	m	n	p	lbs
EBA6 - 22-5 **	BL 22-5	47	24	6	2.50	5.25	16.93	5.00	0.47	6.30	5.91	0.31	2.25	2.75	22.05	5.71	2.76	1.96	68
EBA6 - 22-5 **	BL 22-5	110	55	6	2.50	5.25	16.93	5.00	0.47	6.30	5.91	0.31	2.25	2.75	22.05	5.71	2.76	1.96	68
EBA8 - 22-5	BL 22-5	260	130	8	3.00	7.00	21.26	5.00	0.69	6.30	7.25	0.55	2.88	3.25	26.57	7.28	3.00	2.17	110
EBA8 - 30-5	BL 30-5	310	155	8	3.00	7.00	23.23	5.00	0.69	6.30	7.25	0.55	2.88	3.25	26.77	7.28	3.00	2.17	117
EBA10 - 22-5	BL 22-5	330	165	10	3.50	8.38	21.65	5.51	0.69	6.30	8.00	0.59	3.13	4.00	31.50	8.46	3.50	2.76	132
EBA10 - 30-5	BL 30-5	410	205	10	3.50	8.38	22.05	5.51	0.69	6.30	8.00	0.59	3.13	4.00	31.69	8.46	3.50	2.76	139
EBA13 - 30-5	BL 30-5	535	268	13	5.50	9.88	28.15	6.50	0.81	6.30	11.00	0.59	4.50	5.75	36.22	11.02	4.33	4.53	214
EBA13 - 50-6	BL 50-6	900	450	13	5.50	9.88	28.23	6.50	0.81	6.30	11.00	0.59	4.50	5.75	39.37	11.02	4.33	4.53	220
EBA16 - 50-6	BL 50-6	905	453	16	6.50	12.13	28.98	8.07	1.06	6.30	13.25	0.79	5.38	7.50	43.50	12.60	5.12	5.51	287
EBA16 - 80-6	BL 80-6	1650	825	16	6.50	12.13	29.53	8.07	1.06	6.30	13.25	0.79	5.38	7.50	43.50	12.60	5.12	5.51	298
EBA19 - 80-6	BL 80-6	2580	1290	19	8.75	13.25	32.95	9.65	1.06	6.30	16.14	0.79	6.50	9.25	50.79	15.35	7.48	7.09	507
EBA23 - 200-6	BL 200-6	4100	2050	23	9.50	15.88	38.98	12.01	1.31	6.30	18.74	0.79	8.00	11.75	53.35	18.50	7.17	9.76	661
EBA30 - 200-12	BL 200-12	9000	4500	30	13.50	20.75	49.21	13.62	1.56	6.30	23.03	1.18	9.50	15.00	72.44	23.62	10.24	9.84	1554



EBH

The EBH is a powerful drum brake with automatic wear adjustment and braking torques from 140 to 3500 Nm. It is mainly used in slewing gears, trolleys, gantrys and conveyor belts.

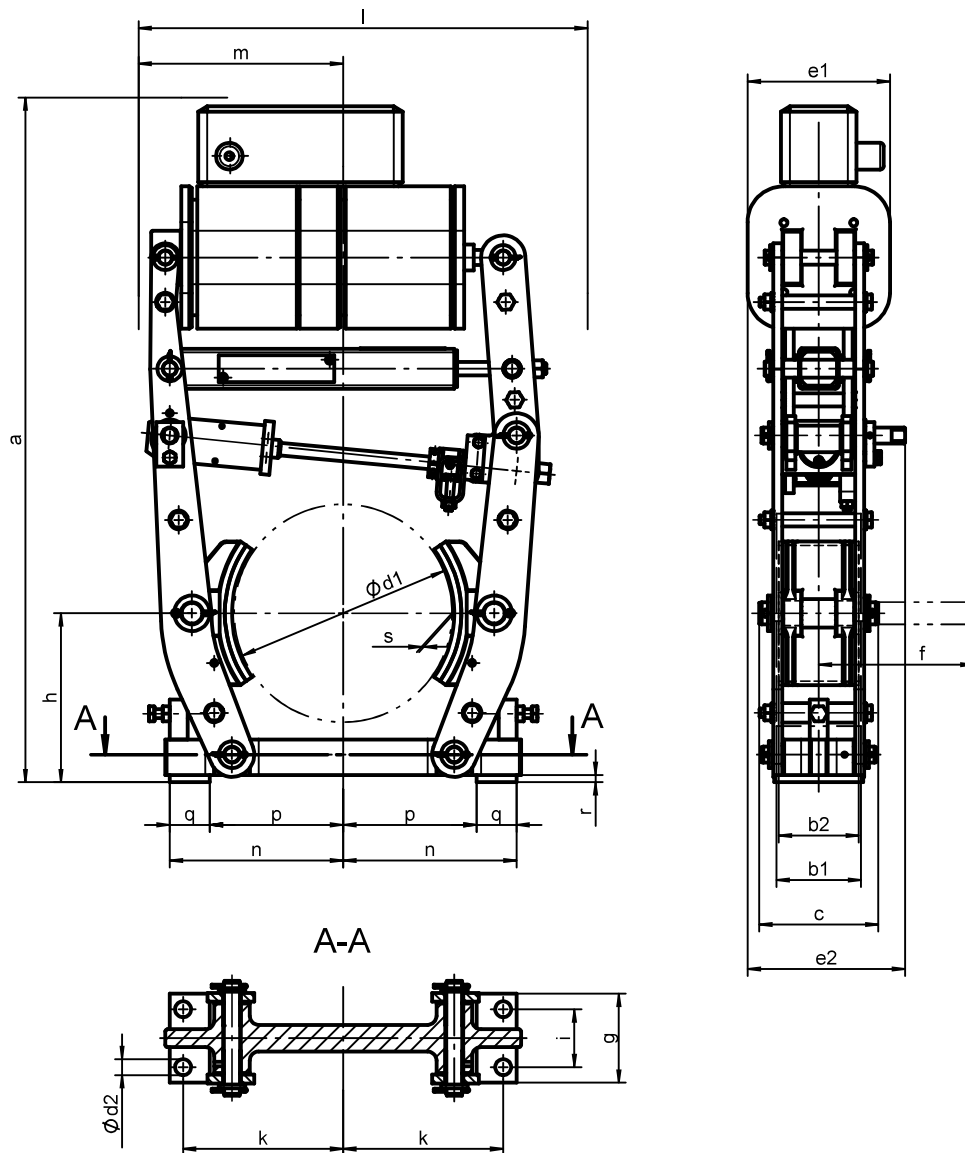
TORQUE: 3500 Nm

MAIN FEATURES:

- According to DIN 15435 standard
- Continuously adjustable brake spring enclosed in a square tube with torque scale
- Self-lubricating bushings mean brakes are easy to service, no greasing necessary
- Equal air gap by adjustable lever stops
- Different thrusters
- Aluminum brake shoes acc. DIN 15435 Bl. 2 with non-asbestos, organic linings
- Shoe clamping springs which prevent brake shoes from tipping when released
- Pins and main spindle of stainless steel
- Uncoated parts and screws of stainless steel

OPTIONS:

- Automatic wear compensator
- Proximity switch release control
- Proximity switch pad wear
- Proximity switch hand release
- Manual release lever with or w/o interlock
- Monitoring systems (e.g. VSR/CMB)
- Brake drums with hubs or couplings
- Weather execution (special paint and coating) for outdoor use



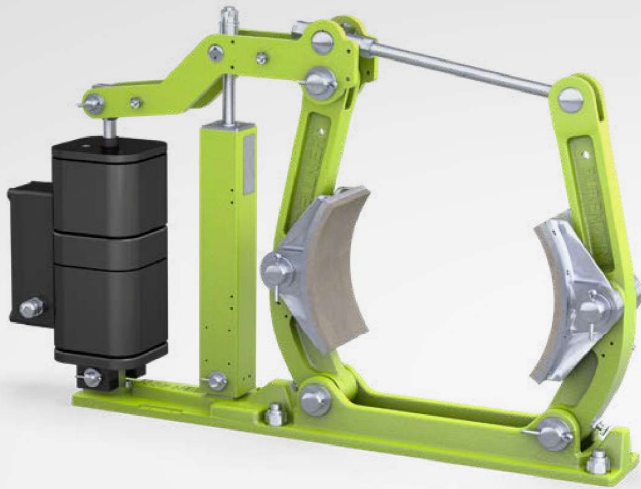
f = required space for
removing brake shoe pin

*) Average static friction factor of
standard material combination

All dimensions in mm
Alterations reserved without notice

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

Brake type	Thruster type	*M _{Brm ax.} (Nm) at $\mu = 0,4$	*M _{Brm in.} (Nm) at $\mu = 0,4$	*M _{Brm in.} (% from M _{Brm ax.})	a _{max.}	b ₁	b ₂	c	d ₁	d ₂	e ₁	e ₂ ca.	f ca.	g	h	i	k	l _{max.}	m ca.	n	p	q	r	s ca.	kg ca.
EBH 200-22-5	BL 22-5	280	140	50	660	75	70	113	200	14	160	175	150	90	160	55	145	405	195	160	115	45	8	1	32
EBH 250-22-5	BL 22-5	305	153	50	730	95	90	134	250	18	160	180	180	100	190	65	180	455	225	195	150	45	8	1,2	38
EBH 250-30-5	BL 30-5	335	168	50	730	95	90	134	250	18	160	180	180	100	190	85	180	505	230	195	150	45	8	1,2	40
EBH 250-50-6	BL 50-6	510	255	50	770	95	90	134	250	18	160	185	180	100	190	65	180	600	270	195	150	45	8	1,5	43
EBH 315-22-5	BL 22-5	410	246	60	880	118	110	161	315	18	160	195	215	110	230	80	220	610	285	240	190	50	10	1,1	56
EBH 315-30-5	BL 30-5	490	245	50	880	118	110	161	315	18	160	195	215	110	230	80	220	610	285	240	190	50	10	1,1	58
EBH 315-50-6	BL 50-6	1050	577	55	920	118	110	161	315	18	160	195	215	110	230	80	220	615	290	240	190	50	10	1,4	66
EBH 315-80-6	BL 80-6	1120	580	50	920	118	110	161	315	18	160	195	215	110	230	80	220	615	290	240	190	50	10	1,4	72
EBH 400-50-6	BL 50-6	1000	500	50	1025	150	140	206	400	22	160	230	270	140	280	100	270	680	325	295	160	135	10	1,6	99
EBH 400-80-6	BL 80-6	2000	1000	50	1025	150	140	206	400	22	160	230	270	140	280	100	270	680	325	295	160	135	10	1,6	104
EBH 500-50-6	BL 50-6	1150	575	50	1130	190	180	245	500	22	160	270	330	170	340	130	325	840	420	355	275	80	12	1,7	138
EBH 500-80-6	BL 80-6	2200	1100	50	1130	190	180	245	500	22	160	270	330	170	340	130	325	840	420	355	275	80	12	1,7	143
EBH 500-125-6	BL 125-6	3500	1750	50	1140	190	180	245	500	22	160	270	330	170	340	130	325	900	425	355	275	80	12	1,7	150



EBN

The EBN is a powerful drum brake with automatic wear adjustment and braking torques from 325 to 6920 Nm.

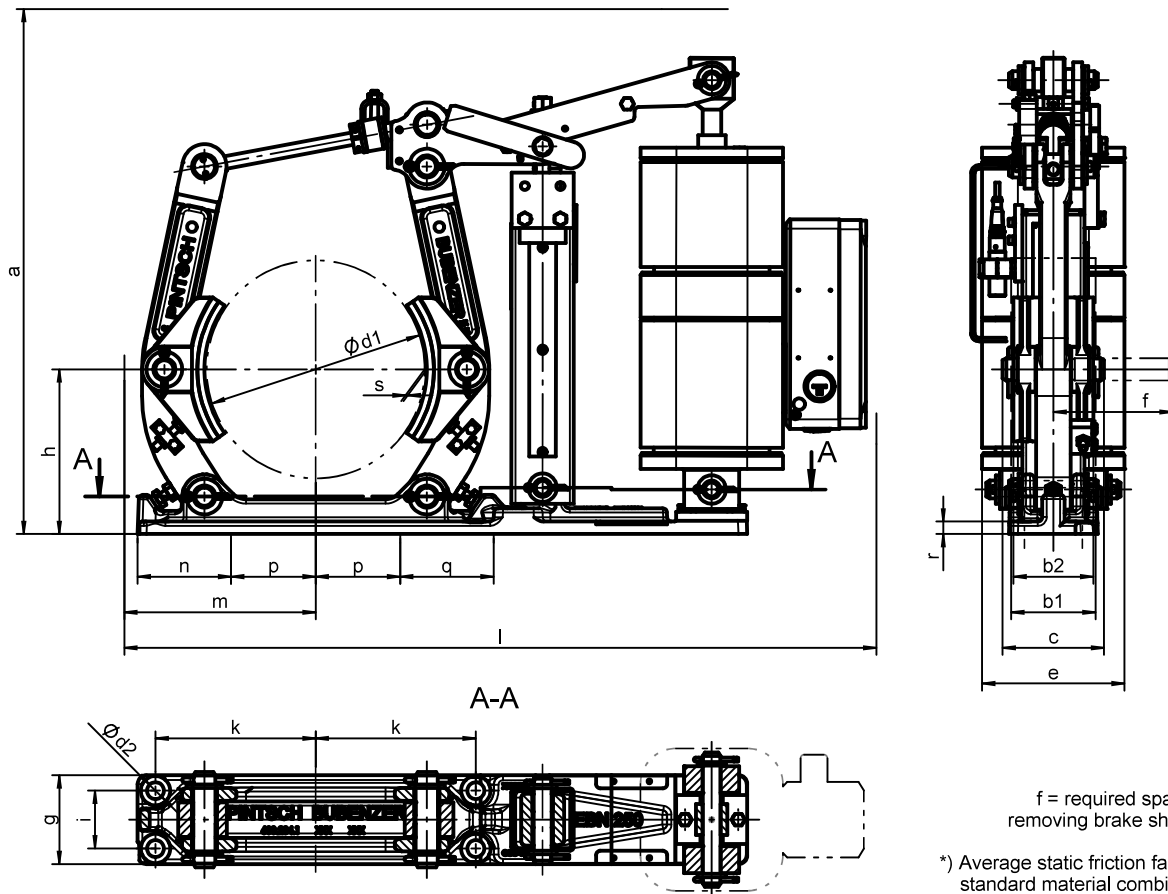
TORQUE: 6920 Nm

MAIN FEATURES:

- According to DIN 15435 standard
- Continuously adjustable brake spring enclosed in a square tube with torque scale
- Self-lubricating bushings mean brakes are easy to service, no greasing necessary
- Equal air gap by adjustable lever stops
- Up to size 400:
 - Levers and base plate made of nodular cast iron
- From size 500:
 - Levers and base plate made of welded steel
- Different thrusters
- Aluminum brake shoes acc. DIN 15435 Bl. 2 with non-asbestos, organic linings
- Shoe clamping springs which prevent brake shoes from tipping when released
- Pins and main spindle of stainless steel
- Uncoated parts and screws of stainless steel

OPTIONS:

- Automatic wear compensator
- Proximity switch release control
- Proximity switch pad wear
- Proximity switch hand release
- Manual release lever with or w/o interlock
- Monitoring systems (e.g. VSR/CMB)
- Brake drums with hubs or couplings
- Weather execution (special paint and coating) for outdoor use



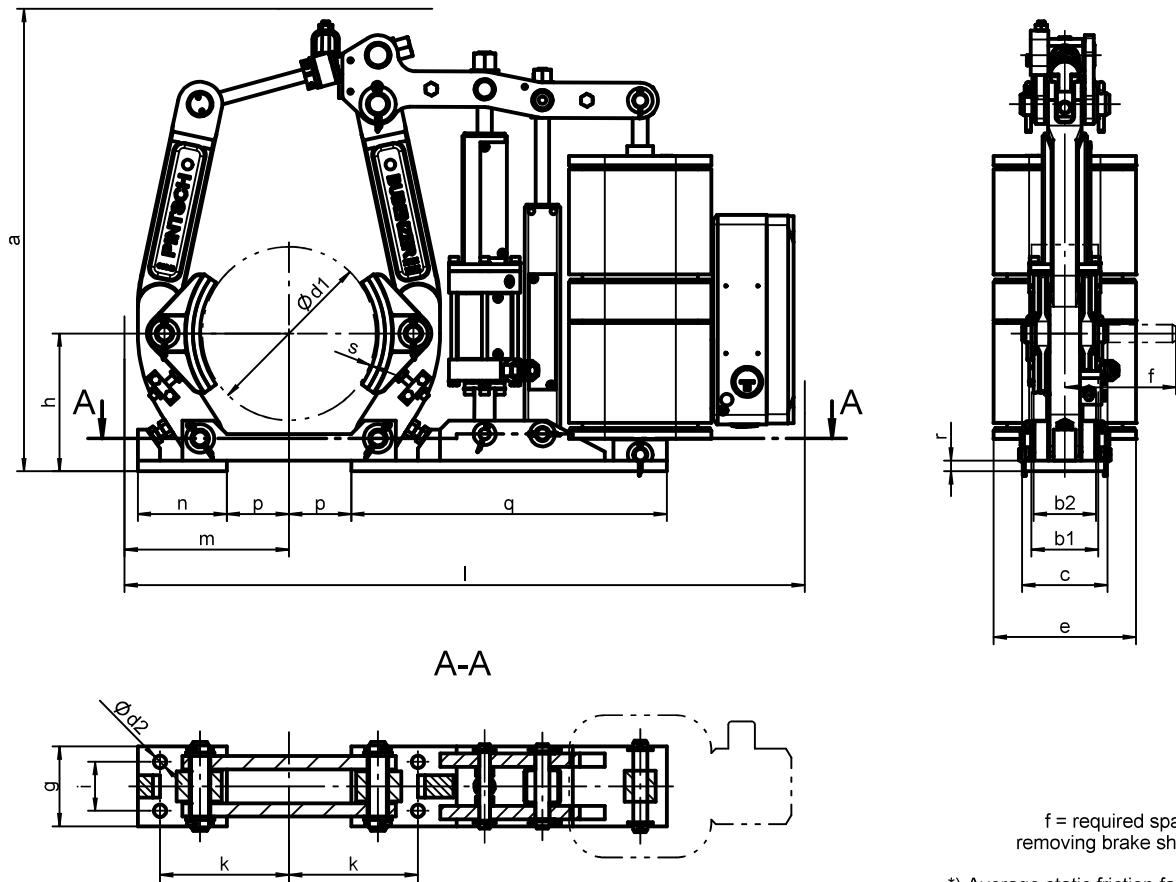
f = required space for
removing brake shoe pin

*) Average static friction factor of
standard material combination

All dimensions in mm
Alterations reserved without notice

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

Brake type	Thruster type	*M _{Brm ax.} (Nm) at μ = 0,4	*M _{Brm in.} (Nm) at μ = 0,4	*M _{Brm in.} (% from M _{Brm ax.})	a _{max.}	b ₁	b ₂	c	d ₁	d ₂	e	f ca.	g	h	i	k	l _{max.}	m ca.	n	p	q	r	s ca.	kg ca.
EBN 200-22-5	BL 22-5	325	195	60	510	75	70	96	200	15	160	115	90	155	55	145	675	185	100	70	100	12	1	41
EBN 200-30-5	BL 30-5	420	210	50	563	75	70	96	200	15	160	115	90	155	55	145	680	185	100	70	100	12	1	45
EBN 200-35-5	BL 35-5	520	312	60	563	75	70	96	200	15	160	115	90	155	55	145	680	185	100	70	100	12	1	46
EBN 200-50-6	BL 50-6	600	360	60	573	75	70	96	200	15	160	115	90	155	55	145	720	185	100	70	100	12	1,2	46
EBN 250-22-5	BL 22-5	450	225	50	518	95	90	115	250	19	160	135	100	185	65	180	800	215	105	95	105	14	1	47
EBN 250-30-5	BL 30-5	560	392	70	581	95	90	115	250	19	160	135	100	185	65	180	805	215	105	95	105	14	1	51
EBN 250-35-5	BL 35-5	730	365	50	581	95	90	115	250	19	160	135	100	185	65	180	805	215	105	95	105	14	1	52
EBN 250-50-6	BL 50-6	1000	550	55	590	95	90	115	250	19	160	135	100	185	65	180	845	215	105	95	105	14	1,2	52
EBN 250-80-6	BL 80-6	1200	600	50	590	95	90	115	250	19	160	135	100	185	65	180	845	215	105	95	105	14	1,2	57
EBN 315-30-5	BL 30-5	700	420	60	703	118	110	140	315	19	160	165	110	225	80	220	920	270	110	133	240	14	1	81
EBN 315-35-5	BL 35-5	840	420	50	703	118	110	140	315	19	160	165	110	225	80	220	920	270	110	133	240	14	1	82
EBN 315-50-6	BL 50-6	1600	880	55	705	118	110	140	315	19	160	165	110	225	80	220	1000	270	110	133	240	14	1,2	82
EBN 315-80-6	BL 80-6	2500	1250	50	705	118	110	140	315	19	160	165	110	225	80	220	1000	270	110	133	240	14	1,2	87
EBN 400-50-6	BL 50-6	1225	735	60	705	150	140	167	400	23	160	195	140	270	100	270	1105	315	135	165	280	15	1,4	98
EBN 400-80-6	BL 80-6	3000	1650	55	710	150	140	167	400	23	160	195	140	270	100	270	1105	315	135	165	280	15	1,4	103
EBN 400-125-6	BL 125-6	4000	2000	50	796	150	140	167	400	23	160	195	140	270	100	270	1105	315	135	165	280	15	1,4	106
EBN 500-50-6	BL 50-6	1500	750	50	851	190	180	210	500	22	160	245	170	330	130	325	1290	390	155	210	315	20	1,5	154
EBN 500-80-6	BL 80-6	3750	1875	50	851	190	180	210	500	22	160	245	170	330	130	325	1290	390	155	210	315	20	1,5	159
EBN 500-125-6	BL 125-6	5120	2560	50	851	190	180	210	500	22	160	245	170	330	130	325	1290	390	155	210	315	20	1,5	162
EBN 630-80-6	BL 80-6	3600	1800	50	995	236	225	250	630	27	160	300	220	410	170	400	1355	470	165	280	330	25	1,8	256
EBN 630-125-6	BL 125-6	5400	2700	50	1015	236	225	250	630	27	160	300	220	410	170	400	1355	470	165	280	330	25	1,8	259
EBN 630-200-6	BL 200-6	6025	3012	50	1015	236	225	250	630	27	160	300	220	410	170	400	1355	470	165	280	330	25	1,8	259
EBN 710-80-6	BL 80-6	4500	2250	50	1110	265	255	280	710	27	160	335	240	460	190	450	1515	520	250	250	450	25	1,8	331
EBN 710-125-6	BL 125-6	6000	3000	50	1110	265	255	280	710	27	160	335	240	460	190	450	1515	520	250	250	450	25	1,8	334
EBN 710-200-6	BL 200-6	6920	3460	50	1110	265	255	280	710	27	160	335	240	460	190	450	1515	520	250	250	450	25	1,8	334



f = required space for
removing brake shoe pin

*) Average static friction factor of
standard material combination

All dimensions in mm
Alterations reserved without notice

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

Brake type	Thruster type	*M _{Br max.} (Nm) at μ = 0,4	a _{max.}	b ₁	b ₂	c	d ₁	d ₂	e	f ca.	g	h	i	k	l _{max.}	m ca.	n	p	q	r	s ca.	kg ca.
EBN-2St 200-22-5	BL 22-5	140	520	75	70	96	200	14	160	115	90	155	55	145	730	185	100	70	350	12	1	36
EBN-2St 200-30-5	BL 30-5	230	520	75	70	96	200	14	160	115	90	155	55	145	735	185	100	70	350	12	1	38
EBN-2St 200-50-6	BL 50-6	360	563	75	70	96	200	14	160	115	90	155	55	145	765	185	100	70	350	12	1	41
EBN-2St 250-22-5	BL 22-5	180	520	95	90	115	250	18	160	135	100	185	65	180	880	205	105	95	405	13	1,2	42
EBN-2St 250-30-5	BL 30-5	290	520	95	90	115	250	18	160	135	100	185	65	180	885	205	105	95	405	13	1,2	44
EBN-2St 250-50-6	BL 50-6	530	582	95	90	115	250	18	160	135	100	185	65	180	925	205	105	95	405	13	1,2	47
EBN-2St 250-80-6	BL 80-6	720	582	95	90	115	250	18	160	135	100	185	65	180	925	205	105	95	405	13	1,2	52
EBN-2St 315-30-5	BL 30-5	420	665	118	110	140	315	18	160	165	110	225	80	220	1035	300	110	133	430	13	1,2	63
EBN-2St 315-50-6	BL 50-6	650	665	118	110	140	315	18	160	165	110	225	80	220	1115	300	110	133	430	13	1,2	66
EBN-2St 315-80-6	BL 80-6	1190	665	118	110	140	315	18	160	165	110	225	80	220	1115	300	110	133	430	13	1,2	71
EBN-2St 315-125-6	BL 125-6	1500	790	118	110	140	315	18	160	165	110	225	80	220	1115	300	110	133	430	13	1,2	74
EBN-2St 400-50-6	BL 50-6	760	680	150	140	167	400	22	160	195	140	270	100	270	1195	310	135	165	500	15	1,5	104
EBN-2St 400-80-6	BL 80-6	1400	680	150	140	167	400	22	160	195	140	270	100	270	1195	310	135	165	500	15	1,5	109
EBN-2St 400-125-6	BL 125-6	2120	790	150	140	167	400	22	160	195	140	270	100	270	1205	310	135	165	500	15	1,5	112
EBN-2St 400-200-6	BL 200-6	2500	790	150	140	167	400	22	160	195	140	270	100	270	1205	310	135	165	500	15	1,5	112
EBN-2St 500-50-6	BL 50-6	960	845	190	180	210	500	22	160	245	170	330	130	325	1285	370	155	210	315	20	1,5	144
EBN-2St 500-80-6	BL 80-6	1770	845	190	180	210	500	22	160	245	170	330	130	325	1285	370	155	210	315	20	1,5	149
EBN-2St 500-125-6	BL 125-6	2680	845	190	180	210	500	22	160	245	170	330	130	325	1295	370	155	210	315	20	1,5	152
EBN-2St 500-200-6	BL 200-6	4350	845	190	180	210	500	22	160	245	170	330	130	325	1295	370	155	210	315	20	1,5	152