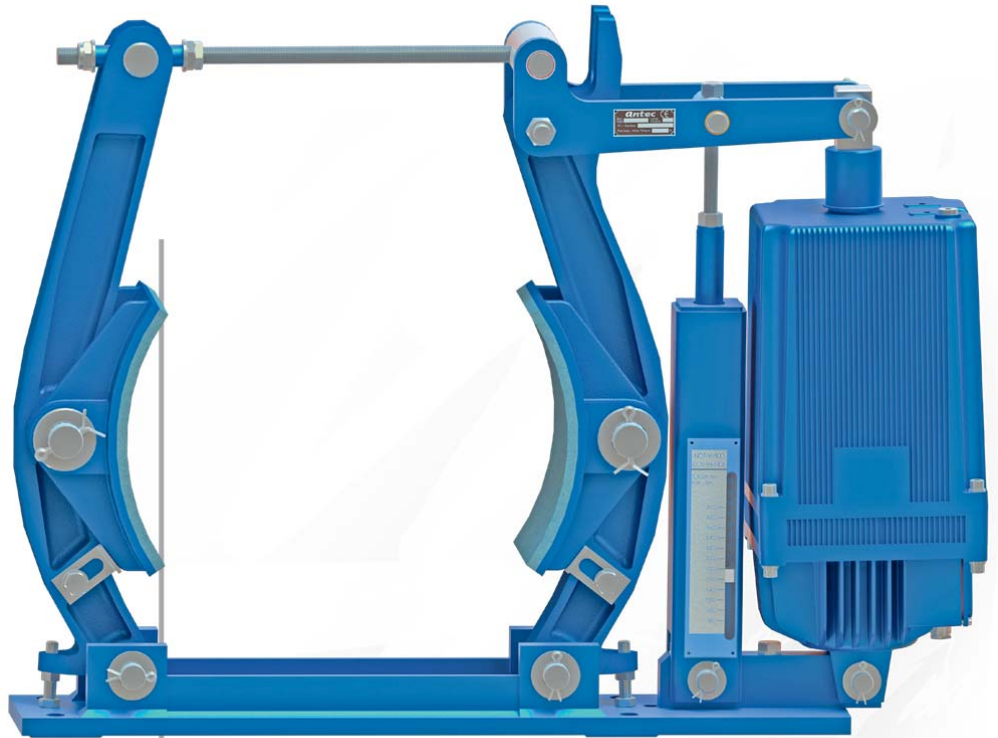


ELECTRO-HYDRAULIC DRUM BRAKES



In Partnership with



APLICACIÓN NUEVAS TECNOLOGÍAS ANTEC, S.A.



> Fields of work

Winches

Conveyors

Steel mills

Cranes

Material handling



> General Description

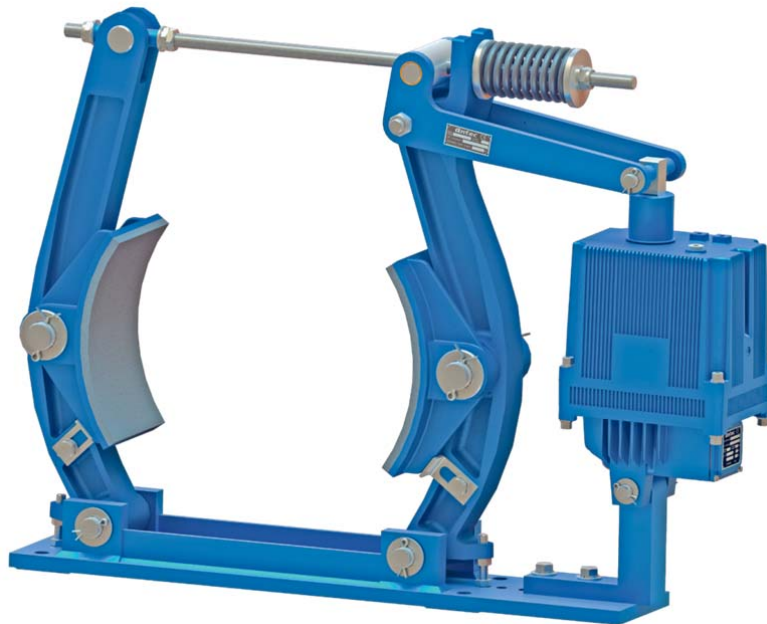
The NAT, NDT and NFT brakes are spring applied, power release drum brakes. Brake release is achieved by a TURBEL. The TURBEL is a three-phase AC electro-hydraulic thruster.

The brake permits easy adjustment of the brake torque and an optional scale for torque control. The NDT-V type incorporates the scale for torque control as a standard.

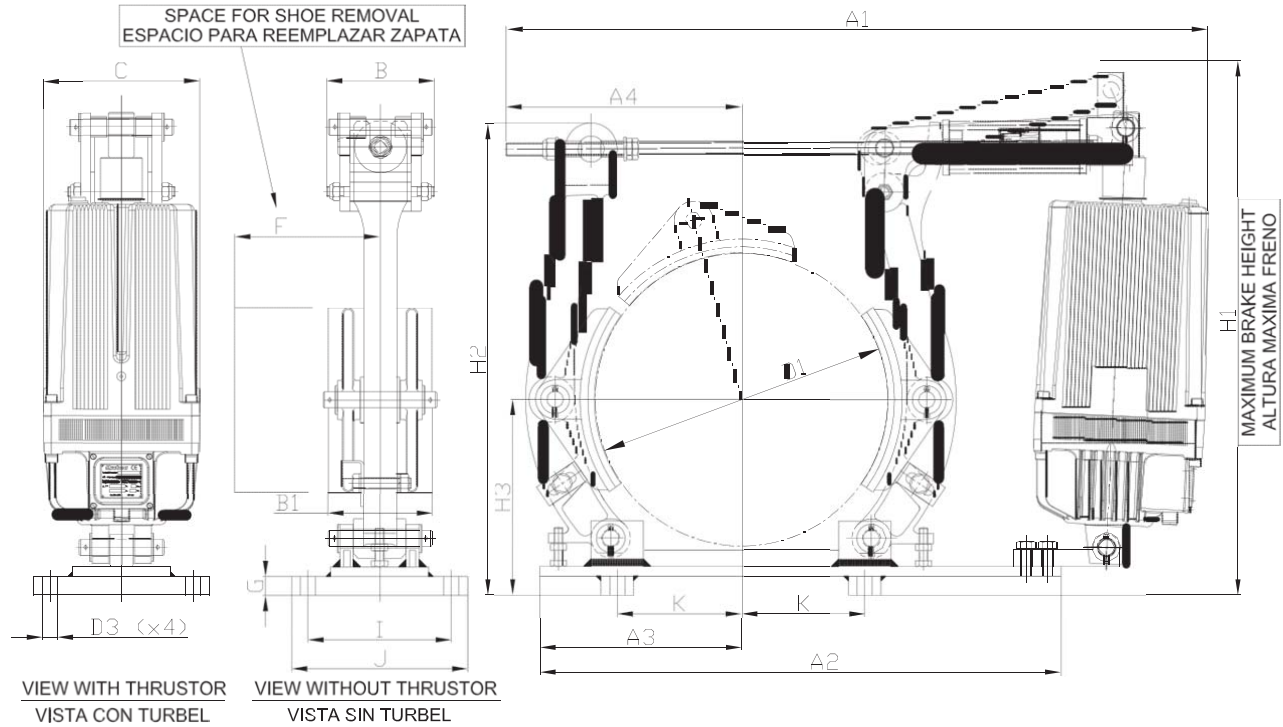
Brake shoes carry asbestos free linings.

Brakes are supplied according to the following standards:

STANDARDS	AISE N. ° 11	DIN-15.435	S-472A
BRAKE MODELS	NAT	NDT NDT-V	NFT



> Dimensions and characteristics



Some models form may vary slightly from the drawing.

BRAKE TYPE FRENO TIPO	THRUSTOR TYPE TURBEL TIPO	TORQUE / Nm PAR / N/m		WEIGHT Kg PESO Kg	DRUM WIDTH ANCHO POLEA	SHOE WIDTH ANCHO ZAPATA	DIMENSIONS / DIMENSIONES																	
		min.	max.				B2	B1	D1	D3	H3	I	K	A1	A2	A3	A4	B	C	F	G	H1	H2	J
		160	I-256				70	140	23	80	65	160	11	125	55	108	574	410	130	203	62	160	70	20
200	I-256	138	275	29	75	70	200	14	160	55	145	674	510	185	197	116	160	125	19	404	355	90		
	I-356	178	355	34								685			202					497				
250	I-256	165	330	35	95	90	250	18	190	65	180	760	580	220	210	107	160	130	13	423	413	100		
	I-356	243	485	40																500				
315	I-356	320	640	59	118	110	315	18	230	80	220	770	690	260	226	159	160	180	18	593	588	120		
	II-506	475	950	62								805			216					195			619	
	II-806	725	1450	63								846			229					195			633	
400	II-506	575	1150	85	150	140	400	22	280	100	270	976	800	310	295	165	195	210	18	708	704	150		
	II-806	750	1500	87								976			295					708				
	III-1306	1225	2450	107								1017			329					779				
500	II-806	850	1700	125	190	180	500	22	340	130	325	1065	940	365	337	190	240	250	23	816	803	180		
	III-1306	1350	2700	145								1070			334					816				
	III-2006	2150	4300	147								1070			334					824				
630	III-1306	1600	3200	240	236	225	630	27	420	170	400	1214	1150	460	410	230	240	305	23	955	940	220		
	III-2006	2500	5000	242								1254			450					955				
	III-3006	3350	6700	244								1198			394					960				
	III-3012	4400	8800	258								1367			440					970				
710	III-2006	2900	5800	323	265	255	710	27	470	190	450	1353	1280	510	468	250	240	340	27	1082	1061	250		
	III-3006	3850	7700	324								1353								468			1082	
	III-3012	5250	10500	338								1491								468			1061	

BRAKES TYPE NFT

According to S-472A

BRAKE TYPE FRENO TIPO	THURSTOR TYPE TURBEL TIPO	TORQUE / Nm PAR / Nm		WEIGHT Kg PESO Kg	DRUM WIDTH ANCHO POLEA	SHOE WIDTH ANCHO ZAPATA	DIMENSIONS / DIMENSIONES																	
		min.	max.				B2	B1	D1	D3	H3	I	K	A1	A2	A3	A4	B	C	F	G	H1	H2	J
		150	I-256				65	130	24	80	65	150	11	125	135	90	580	400	120	201	73	160	70	10
200	I-256	135	270	30	80	70	200	15	161	130	75	675	510	185	197	116	160	125	9	404	355	160		
	I-356	175	350	35								687			202					497				
250	I-256	165	330	36	90	90	250	18	181	130	94	690	580	220	201	107	160	130	9	423	413	160		
	I-356	250	500	41								745			205					505				
350	I-356	325	650	61	130	110	350	20,5	250	180	145	855	690	260	263	160	160	180	28	615	613	230		
	II-506	500	1000	64								920			278		195			644				
	II-806	800	1600	65								960			291		195			659				
450	II-506	625	1250	88	170	160	450	23	300	220	190	1045	800	310	326	165	195	190	29	728	724	270		
	II-806	850	1700	90								1055			336		195			728				
	III-1306	1375	2750	110								1080			360		240			803				
530	II-806	925	1850	131	195	180	530	25	355	240	235	1145	940	365	383	190	195	240	240	23	833	823	290	
	III-1306	1475	2950	151								1145			396		240				833			
	III-2006	2325	4650	153								1150			381		240				838			
600	III-1306	1575	3150	242	210	190	600	28	400	254	272	1175	1150	460	394	230	240	290	22	947	929	310		
	III-2006	2450	4900	244								1207			424					947				
	III-3006	3275	6550	246								1207			424					949				
	III-3012	4400	8800	260								1330			424					957				
750	III-2006	3025	6050	328	230	210	750	31	475	290	338	1375	1280	510	470	250	240	330	34	1084	1071	350		
	III-3006	4000	8000	329								1375			470					1084				
	III-3012	5475	10950	343								1545			504					1084				

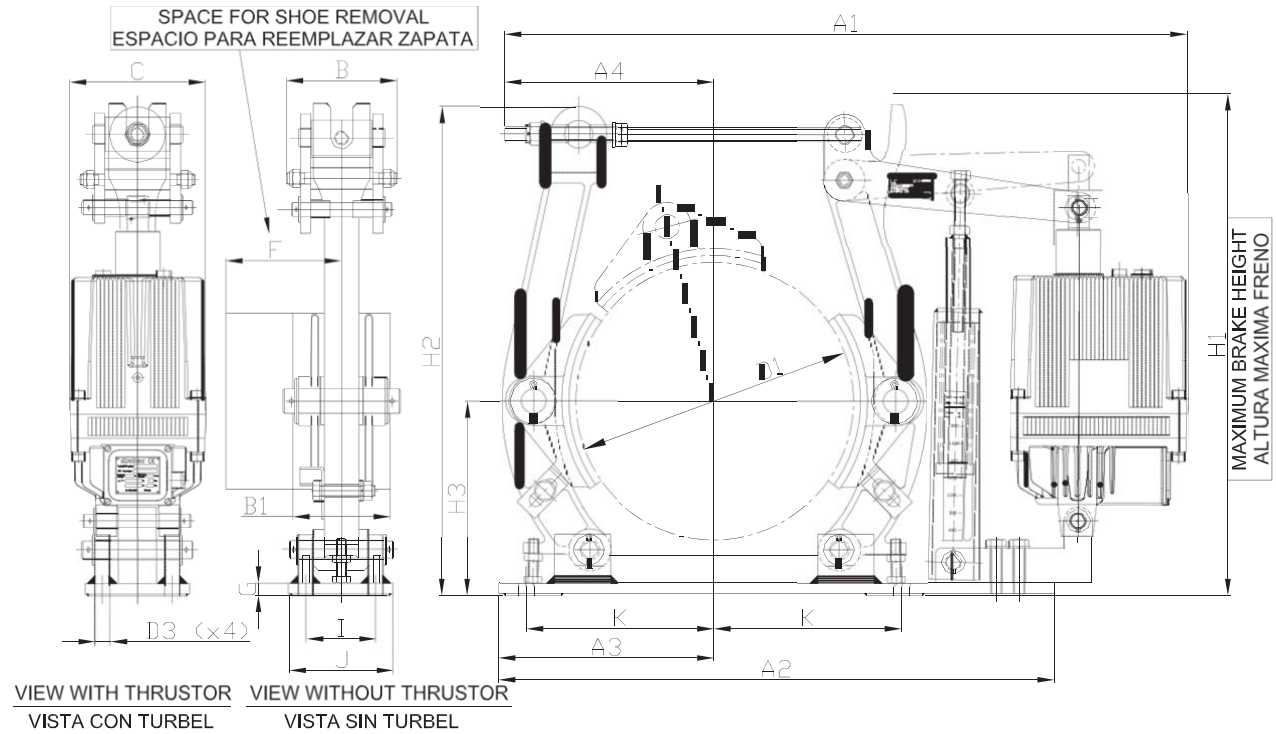
BRAKES TYPE NAT

According to AISE N.º 11

BRAKE TYPE FRENO TIPO	THURSTOR TYPE TURBEL TIPO	TORQUE / Nm PAR / Nm		WEIGHT Kg PESO Kg	DRUM WIDTH ANCHO POLEA	SHOE WIDTH ANCHO ZAPATA	DIMENSIONS / DIMENSIONES																	
		min.	max.				B2	B1	D1	D3	H3	I	K	A1	A2	A3	A4	B	C	F	G	H1	H2	J
		10" 254	I-256				168	335	38	95	90	254	17,5	213	159	102	710	580	220	221	107	160	130	19
I-356	245		490	43	772	580	220	221	160								130			19				
13" 330,2	I-356	345	690	63	146	140	330,2	20,5	251	228	146	815	690	260	244	159	160	180	28	616	614	280		
	II-506	500	1000	66								865			253		195			644				
	II-806	775	1550	67								890			253		195			660				
16" 406,4	II-506	550	1100	90	171	165	406,4	27	308	273	190,5	1002	800	310	315	165	195	210	34	735	730	330		
	II-806	750	1500	93								980			295		195			735				
	III-1306	1225	2450	114								1010			320		240			812				
19" 482,6	II-806	850	1700	134	222	216	482,6	27	336	330	235	1090	940	365	333	190	195	240	240	30	817	805	390	
	III-1306	1350	2700	155								1075			355		240				817			
	III-2006	2125	4250	157								1143			404		240				825			
23" 584,2	III-1306	1525	3050	245	286	279	584,2	33,5	403	406	298	1217	1150	460	430	230	240	290	25	950	934	480		
	III-2006	2400	4800	247								1257			470					950				
	III-3006	3200	6400	250								1201			415					955				
	III-3012	4300	8600	265								1380			461					960				
30" 762	III-2006	3125	6250	332	362	356	762	39,5	527	482	381	1430	1280	510	520	250	240	330	48	1145	1121	560		
	III-3006	4150	8300	333								1400			489					1145				
	III-3012	5700	11400	347								1540			489					1145				

Dimension values are in mm. We reserve the right to modify measures or construction.

> Dimensions and characteristics



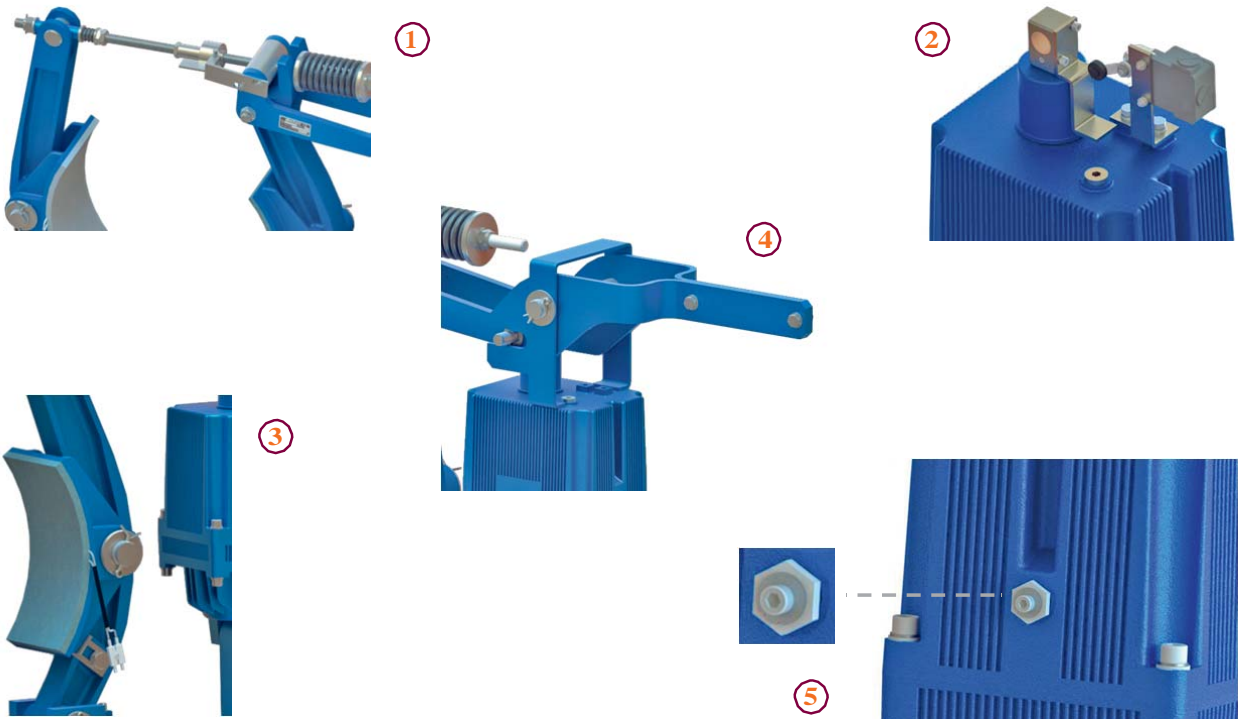
Some models form may vary slightly from the drawing.

BRAKE TYPE FRENO TIPO	DIMENSIONS / DIMENSIONES																							
	min. max.		B2	B1	D1	D3	H3	I	K	A1	A2	A3	A4	B	C	F	G	H1	H2	J				
	200	I-256	125	250	29	75	70	200	14	160	55	145	664	510	185	178	116	160	125	19	405	355	90	
	I-356	188	375	34	710								674											
250	I-256	128	255	35	95	90	250	18	190	65	180	710	580	220	210	116	160	130	13	425	413	100		
		I-356	235	470								40								760			499	
315	I-356	275	550	59	118	110	315	18	230	80	220	769	690	260	223	159	195	180	18	595	588	120		
		II-506	438	875								62								820			620	
		II-806	700	1400								63								820			635	
		II-506	450	900								85								980			710	
400	II-806	760	1520	87	150	140	400	22	280	100	270	990	800	310	307	159	195	210	18	710	704	150		
		III-1306	1350	2700								107				975	775							
		II-806	800	1600								125				1039	164							
		III-1306	1325	2650								145				1060	195							
500	III-2006	2125	4250	147	190	180	500	22	340	130	325	1060	940	365	312	195	250	23	820	803	180			
		III-1306	1450	2900								240			1240	240								
		III-2006	2325	4650								242			1240	240								
		III-3006	3725	7450								244			1240	240								
630	III-3012	3875	7750	258	236	225	630	27	420	170	400	1325	1150	460	435	230	240	305	23	955	940	220		
		III-2006	2875	5750								323			1405								240	
		III-3006	4300	8600								324			1405								240	
		III-3012	4950	9900								338			1570								240	
710	III-3006	4300	8600	324	265	255	710	27	470	190	450	1420	1280	510	470	250	240	340	29	1085	1067	250		
		III-3012	4950	9900								338											1540	240
		III-3006	4900	9800								350											1540	240
800	III-3012	5575	11150	364	300	290	800	33	520	210	505	1420	1375	575	495	250	240	370	59	1135	1095	290		
		III-3012	5575	11150								364											1540	240

Dimension values are in mm. We reserve the right to modify measures or construction.

> Options

- 1 Automatic lining wear adjustment (RA).
- 2 Open brake Switch Indicator (CSA).
- 3 Lining wear Indicator (DD).
- 4 Hand Release Lever (DM).
- 5 Descent Valve (VD).
- 6 Reduced torque (PR).
- 7 Scale for torque control (ECP). Standard on type NDT-V.
- 8 Special Painting (PE).
- 9 Hydraulic or pneumatic release.
- 10 ATEX Certificate.



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