

DISK BRAKE (DIB)

Trebu Disc Brake System (DIB) are spring applied and released by electro hydraulic thrusters and meet the applicable standard 15434-2. The disc brakes have standard automatic wear compensation (AWA) to ensure a constant torque regardless of the wear of the brake lining pads. The disc brakes are appropriate for safe use in application including cranes, conveyors, metallurgy, mines, ports and construction machinery.

SPECIFICATIONS	VALUE	UNIT
BRAKING FORCE	2300 / 36600	N
BRAKING TORQUE	270 / 20540	Nm
WEIGHT	89 / 295	Kg
OPERATIONAL TEMPERATURE	-40 / +70	°C
THRUSTER FORCE	230 / 3010	N
DISC SIZING	Ø315 / Ø1250	Nm
BRAKE PAD MATERIAL	Organic	-
BRAKE PAD THICKNESS	8 / 15	mm



FEATURES

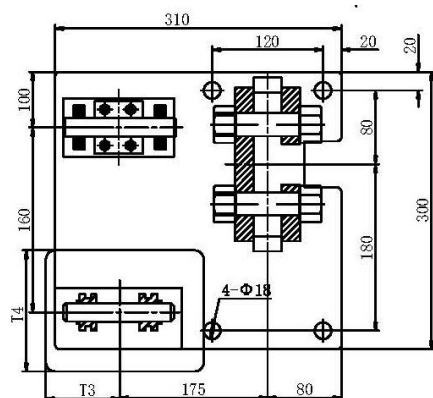
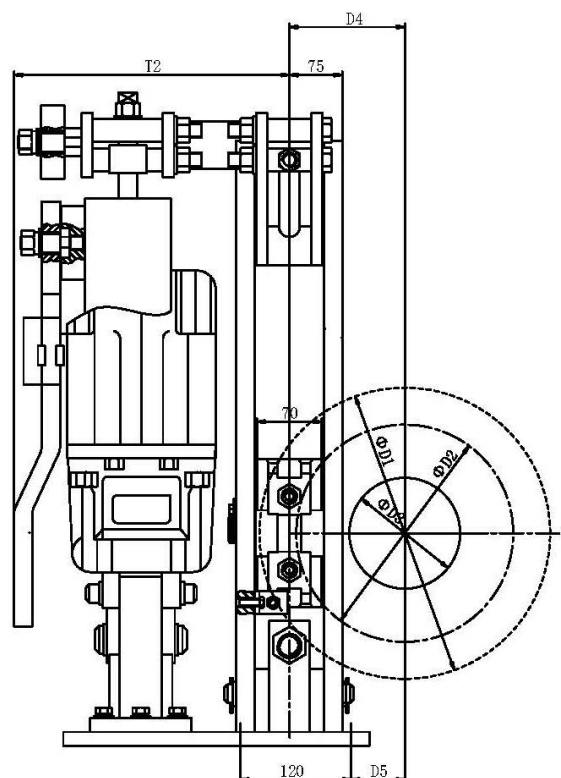
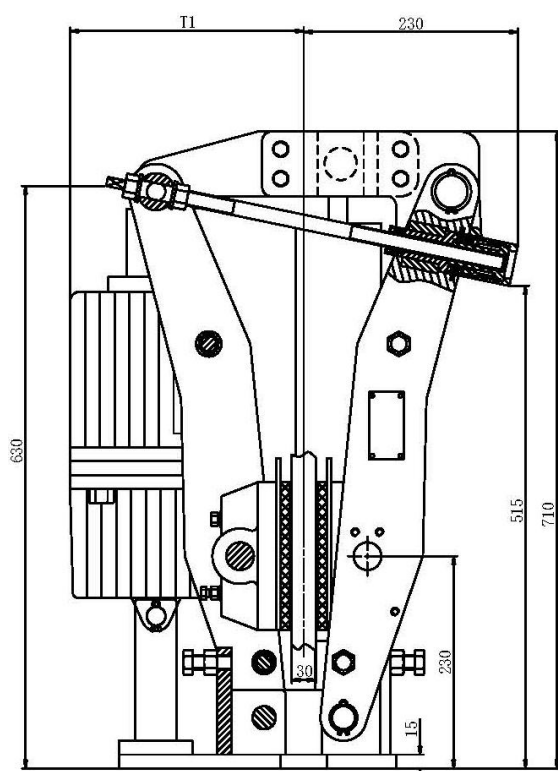
- According to DIN 15434-2 Standards
- Spring application with thruster release
- AWA Automatic lining wear adjustment
- Standard Voltage 230/400V, 50Hz, IP65, Class F
- Self-lubricating bushes
- Brake shoes with bushes
- Lifting eyes for safe handling and fitting
- Standard Voltage 230/400V, 50Hz, IP65, Class F
- High Operational safety & service life
- Easy de- & installation

OPTIONS

CODE

- | | |
|---|---------|
| Brake release opening/closing sensors | BRLS |
| Lining wear indicators | LWI |
| Manual release lever | HRL |
| Special Voltage | SV |
| Inner spring | IS |
| Low temperature -40°C | LT |
| High temperature Resistant steel work +70°C | SW |
| Ascending / Descending Valve | AV / DV |
| Customized painting colour | RAL |
| Conservation coating | C5M |
| Thruster limit stroke sensor | SS |
| Sinter metal linings (SM) | SM |

GENERAL DIMENSIONS – FRAME SIZE I

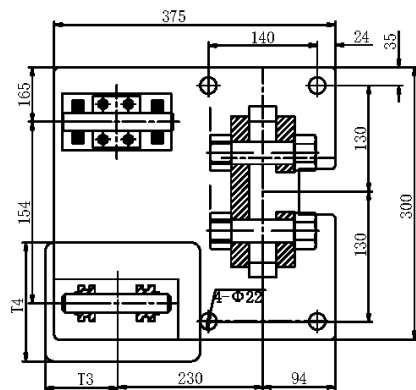
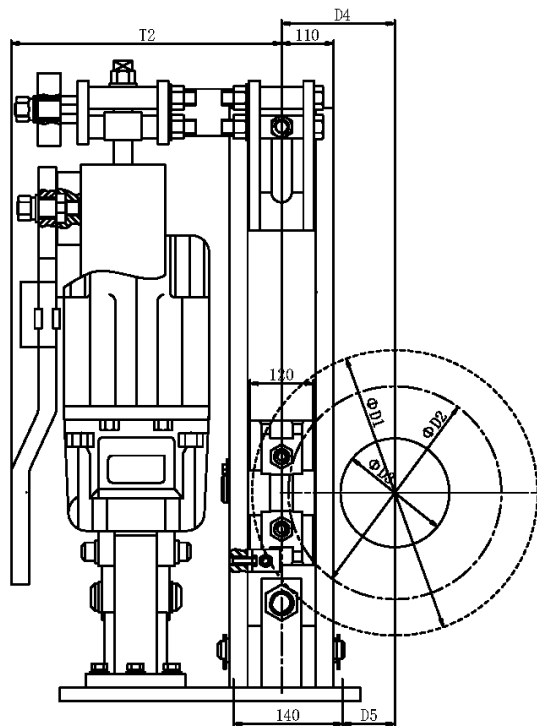
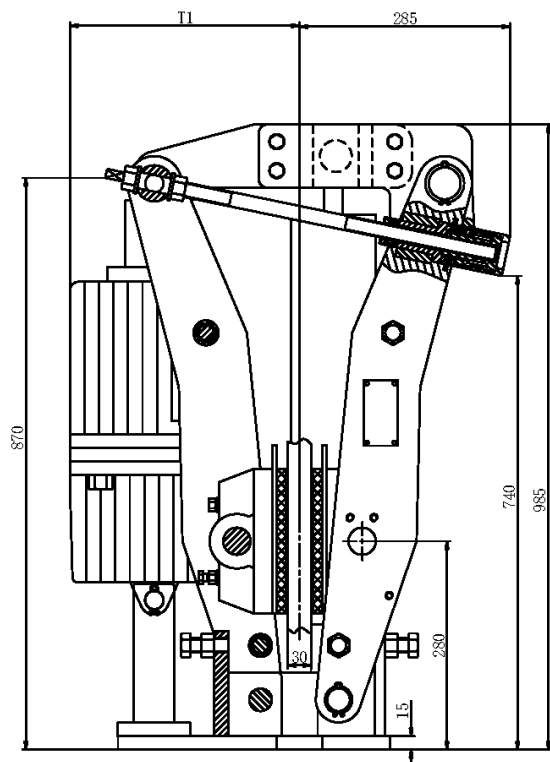


DISC DATA					BRAKING TORQUE [Nm]			
D1	D2	D3	D4	D5	230/5	300/5	1210/6	2010/6
Ø315	Ø235	Ø120	118	58	270	380	645	1030
Ø355	Ø275	Ø160	138	78	320	440	670	1150
Ø400	Ø320	Ø205	160	100		520	790	1350
Ø450	Ø370	Ø255	185	125			910	1560
Ø500	Ø420	Ø305	210	150			1000	1750

DIMENSIONS					
THRUSTOR	T1	T2	T3	T4	WEIGHT
230/5	280	255	80	200	89 KG
300/5	277	255	80	197	95 KG
500/6	317	273	97	254	102 KG
800/6	317	273	97	254	104 KG

*TREBU THRUSTER DATASHEETS AVAILABLE | **ALL DIMENSIONS IN MM |

GENERAL DIMENSIONS – FRAME SIZE II

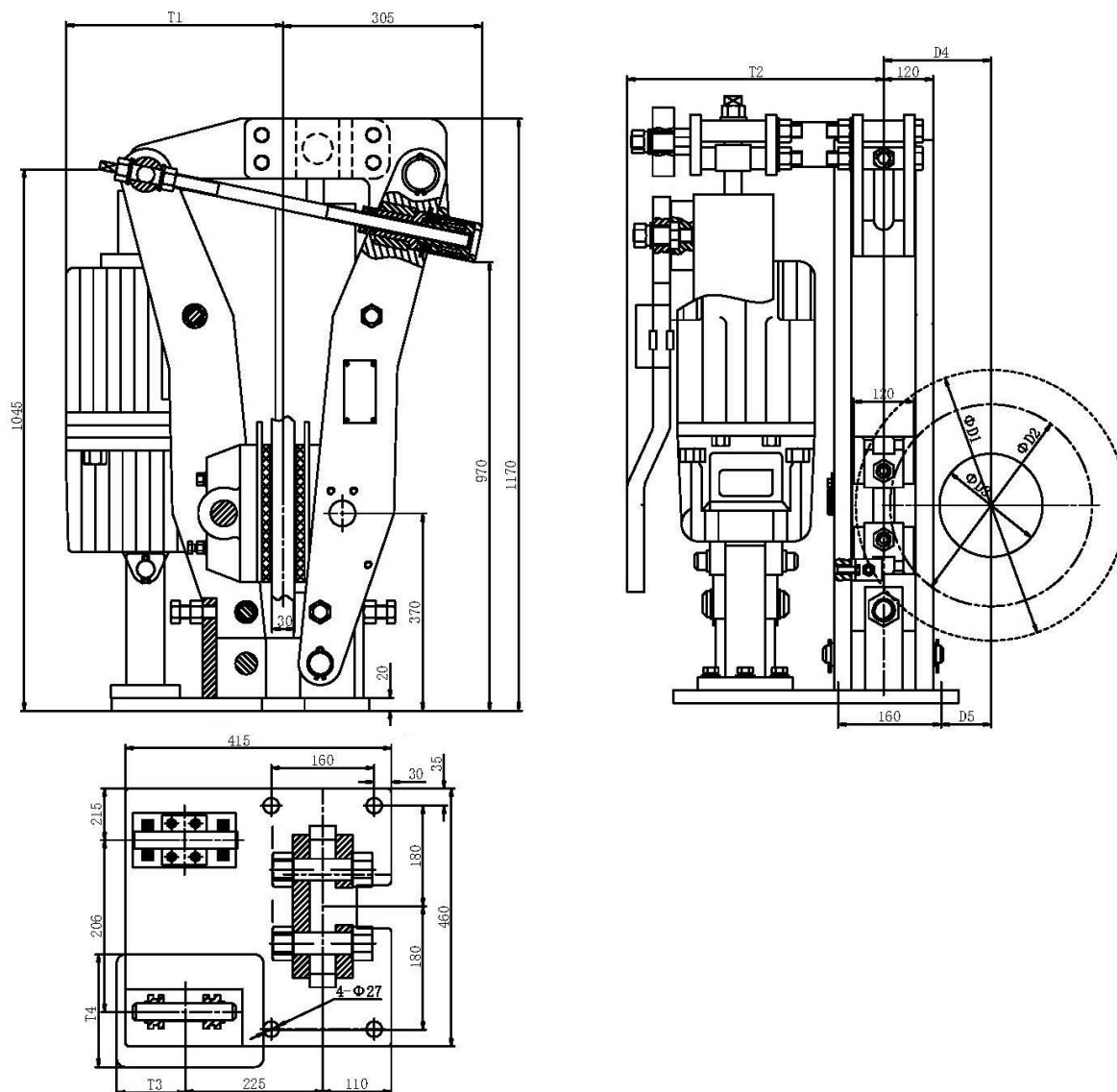


DISC DATA					BRAKING TORQUE [Nm]			
D1	D2	D3	D4	D5	500/6	800/6	1210/6	2010/6
Ø450	Ø350	Ø180	175	105	1025	1720	2700	4195
Ø500	Ø400	Ø230	200	130	1175	1965	3085	4790
Ø560	Ø460	Ø290	230	160	1350	2260	3550	5510
Ø630	Ø530	Ø360	265	195		2605	4090	6350
Ø710	Ø610	Ø440	305	235			4665	7310

DIMENSIONS					
THRUSTER	T1	T2	T3	T4	WEIGHT
500/6	311	318	97	254	178 KG
800/6	311	318	97	254	179 KG
1210/6	302	340	120	260	194 KG
2010/6	302	340	120	260	194 KG

*TREBU THRUSTER DATASHEETS AVAILABLE | **ALL DIMENSIONS IN MM |

GENERAL DIMENSIONS – FRAME SIZE III



DISC DATA

BRAKING TORQUE [Nm]

D1	D2	D3	D4	D5	1210/6	2010/6	3010/6
Ø630	Ø500	Ø310	250	170	3750	6300	9710
Ø710	Ø580	Ø390	290	210	4500	7315	10640
Ø800	Ø670	Ø480	335	255	5000	8450	12290
Ø900	Ø770	Ø580	385	305	5600	9710	14120
Ø1000	Ø870	Ø680	435	355	6230	10790	15690
Ø1250	Ø1120	Ø930	560	480			20540

DIMENSIONS

THRUSTER	T1	T2	T3	T4	WEIGHT
1210/6	311	318	97	254	179 KG
2010/6	311	318	97	254	194 KG
3010/6	302	340	120	260	194 KG

*TREBU THRUSTER DATASHEETS AVAILABLE | **ALL DIMENSIONS IN MM |