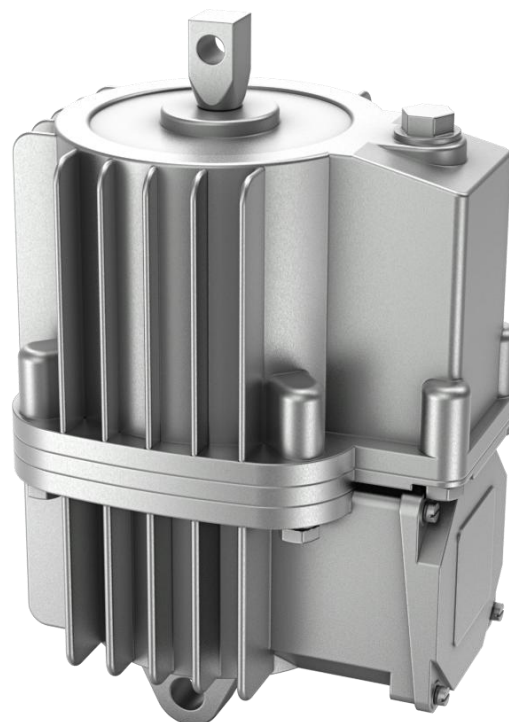


ELECTRO-HYDRAULIC THRUSTERS (TS)

The electro hydraulic Thruster (TS) is designed to generate a linear thrust along a stroke and meet the applicable standard DIN 15430. The thruster can be mounted with the shaft in vertical (rod up), horizontal and intermediate positions. The electro hydraulic thrusters can integrate many options and are appropriate for safe application in combination with our disc brakes (DIB) and drum brakes (DRB).

AVAILABLE TYPES STROKE (mm)

230/5	50
300/5	50
500/6	60
508/6	60
800/6	60
800/12	120
1210/6	60
1210/12	120
2010/6	60
2010/12	120
3010/6	60
3010/12	120



FEATURES

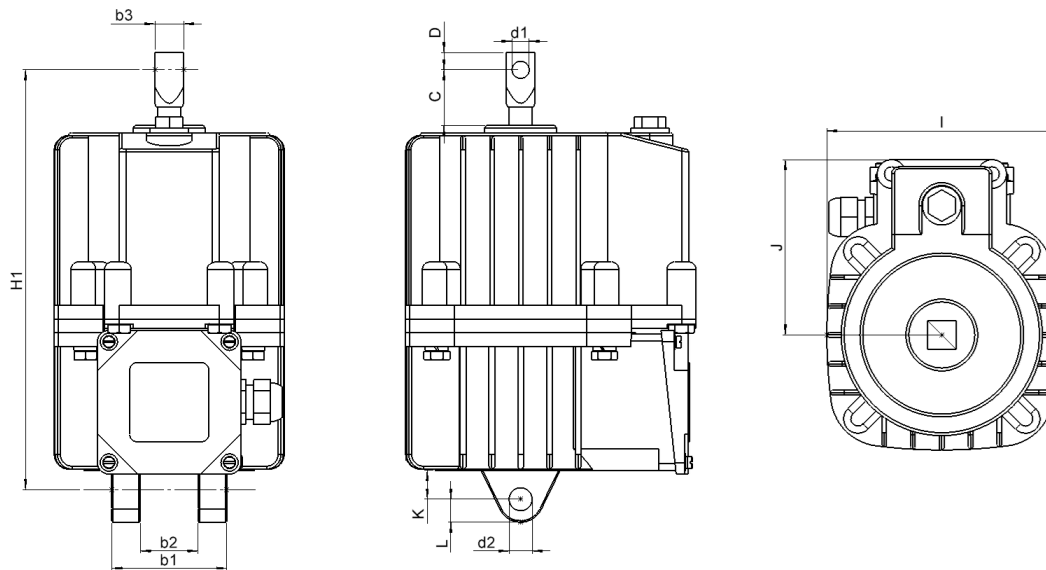
According to DIN 15430 Standards
High Operational safety & service life
Braking force: 230 N up to 3000 N
Self-lubrication bushings
Stepless and short actuation time
Environmental temperature range -40°C to +70°C
High switching frequency up to 2000 cycles per S3
Reverse operation without limitation
Easy de- & installation
Overload prevention
The external limiting of the stroke path
Standard Voltage 230/400V, 50Hz, IP65, Class F

OPTIONS

CODE

Special Voltage	SV
Low temperature -40°C	LT
High temperature resistant steel work +70°C	SW
Ascending / Descending	AV / DV
Inner spring	IS
Paint colour customisable	RAL
Conservation coating	C5M
Thruster limit stroke sensor	SS

GENERAL DIMENSIONS



GENERAL THRUSTER DIMENSIONING

TYPE	H1	b1	b2	b3	C	D	d1	d2	I	J	K	L
230/5	286	80	40	20	26	12	12	16	160	80	200	16
300/5	370	80	40	25	34	15	16	16	160	80	18	16
500/6	435	120	60	30	36	18	20	20	190	95	23	22
508/6	515	120	60	30	36	18	20	20	190	95	23	22
800/6	450	120	60	30	36	18	20	20	190	95	23	22
800/12	530	120	60	30	36	18	20	20	190	95	23	22
1210/6	645	90	40	40	38	25	25	25	240	112	35	25
1210/12	705	90	40	40	38	25	25	25	240	112	35	25
2010/6	645	90	40	40	38	25	25	25	240	112	35	25
2010/12	705	90	40	40	38	25	25	25	240	112	35	25
3010/6	645	90	40	40	38	25	25	25	240	112	35	25
3010/12	705	90	40	40	38	25	25	25	240	112	35	25

GENERAL THRUSTER SPECIFICATIONS

TYPE	FORCE	STROKE	VOLT	FREQ.	POWER	CURRENT		S3		OIL	MASS
	N	MM	Δ	HZ	KW	400V	230V	%	CYCLES	L	KG
230/5	230	50	400	50	0,25	0,56	0,97	60	2000	1,75	10
300/5	300	50	400	50	0,22	0,43	0,78	60	2000	2,6	14
500/6	500	60	400	50	0,23	0,38	0,87	60	2000	3,8	21
508/6	500	60	400	50	0,23	0,38	0,87	60	2000	3,8	21
800/6	800	120	400	50	0,45	1,42	2,50	60	2000	4	24
800/12	800	60	400	50	0,45	1,42	2,50	60	2000	4	25
1210/6	1210	120	400	50	0,68	1,59	2,60	60	2000	9,6	39
1210/12	1210	60	400	50	0,68	1,59	2,65	60	2000	9,6	40
2010/6	2010	60	400	50	0,63	1,51	2,55	60	2000	9,6	39
2010/12	2010	120	400	50	0,63	1,51	2,55	60	2000	9,6	40
3010/6	3010	60	400	50	0,83	1,51	2,56	60	1500	9,6	39
3010/12	3010	120	400	50	0,83	1,51	2,56	60	1500	9,6	40

**Oil specification as per Shell Tellus S4 VX 32 or Shell Naturelle HF-E 3*