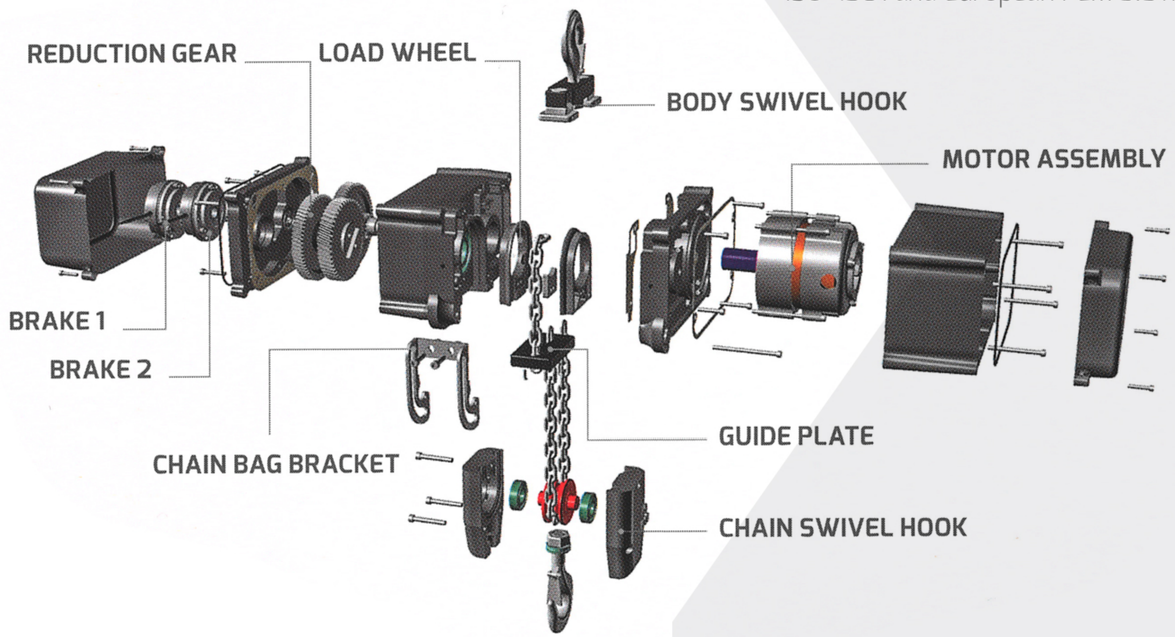
CHAIN HOIST MECHANISMS CLASSIFICATION

According to International ISO 4301 and European FEM 9.511



RATE OF LOADING	Average time of supposed daily operation T_m *(hour)*		to 0.25	from 0.25 to 0.5	from 0.5 to 1	from 1 to 2	from 2 to 4	from 4 to 8	from 8 to 16
	Rate of loadin Total operating Time *(hour)*		to 400	to 800	to 1600	to 3200	to 6300	to 12500	to 25000
LIGHT	*When normally working with approx.. 1/3 of W.L.L. and rarely with W.L.L.*	ISO FEM	--	M1 1Dm	M2 1Cm	M3 1Bm	M4 1Am	M5 2m	M6 3m
MEDIUM	*When normally working with approx.. 1/3 to 2/3 of W.L.L. and sometime W.L.L.*	ISO FEM	M1 1Dm	M2 1Cm	M3 1Bm	M4 1Am	M5 2m	M6 3m	M7 4m
HEAVY	*When normally working with approx.. to 2/3 of W.L.L. and often with W.L.L.*	ISO FEM	M2 1Cm	M3 1Bm	M4 1Am	M5 2m	M6 3m	M7 4m	M8 5m
VERY HEAVY	*When normally working with W.L.L. or near W.L.L.*	ISO FEM	M3 1Bm	M4 1Am	M5 2m	M6 3m	M7 4m	M8 5m	--

VERTICAL MOVEMENTS

ISO 4301	FEM 9.511	DUTY FACTOR OF MOTOR	MINUTES PER HOUR *Uniformly Distribuited Work Period*	STARTS PER HOUR	HOUR PER DAY	HOUR / 10 YEARS Bearing Time
M1	1Dm	15%	9	90	≤ 0,25	400
M2	1Cm	20%	12	120	≤ 0,5	800
M3	1Bm	25%	15	150	≤1	1600
M4	1Am	30%	18	180	≤ 2	3200
M5	2m	40%	24	240	≤ 4	6300
M6	3m	50%	30	300	≤ 8	12500