

# **SPEED**<sup>®</sup>

## **ULTIMATE**

### **Chain Electric Hoist**



- **Body of Aluminium Alloy-**
- **Light weight but extremely strong**
- **Specially Designed cooling fins, Ensures, Quick Heat Dissipation**
- **Ideal for continuous service**
- **Perfectly safe for use even in chemical & Electroplating Plants**

Established : 1964

Manufactured by:

**R. N. SURESH TOOLS CORPN.**

MUMBAI - 400 003.

email : [rnstools@hotmail.com](mailto:rnstools@hotmail.com)

web site : [www.speedrns.com](http://www.speedrns.com)

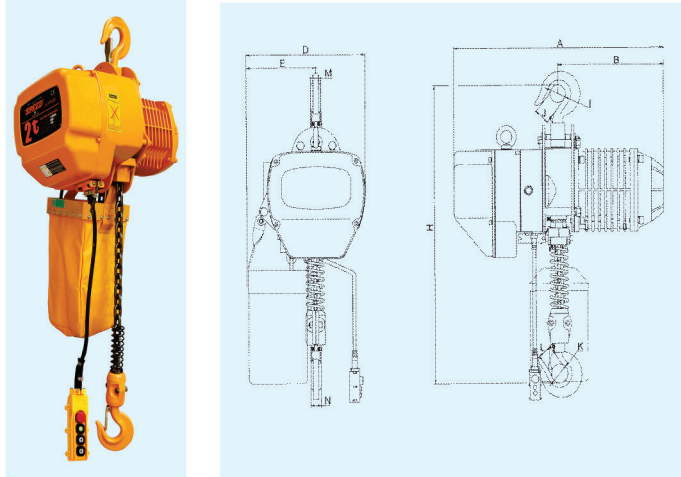
**WARRANTY** :  
We Provide one year's  
Warranty against any  
manufacturing defects.  
Ex. Our works

Safe ✦ Reliable ✦ Durable



# SPEED<sup>®</sup> ULTIMATE Chain Electric Hoist

## HOIST WITH FIXED SUSPENSION



## HOIST WITH FIXED SUSPENSION

### SPECIFICATIONS 300/500 KGS

RATED CAPACITY TONS	LIFTING SPEED Mts/Min	LOAD CHAIN DIA. MM	CHAIN NUMBER OF FALLS	HOIST MOTOR 3 PHASE OUTPUT (KW)	TEST LOAD TONS	MIN HEADROOM MAX.	NETT WEIGHT
300 KGS	7	6.3	1	0.75	0.375	570	36

### DIMENSIONS - MM

CAPACITY	H	A	B	C	D	E	F	I	J	K	L	N
300 KGS.	570	340	170	170	240	115	125	35	30	35	30	20

### SPECIFICATIONS

RATED CAPACITY TONS	LIFTING SPEED Mts/Min	LOAD CHAIN DIA. MM	CHAIN NUMBER OF FALLS	HOIST MOTOR 3 PHASE OUTPUT (KW)	TEST LOAD TONS	MIN HEADROOM MAX.	NETT WEIGHT
500 KGS	6	6.3	1	1.1	0.625	570	36

### DIMENSIONS - MM

CAPACITY	H	A	B	C	D	E	F	I	J	K	L	N
500 KGS.	570	340	170	170	240	115	125	35	30	35	30	20

### SPECIFICATIONS WITH FIXED SUSPENSION 1T, 2T, 3T, 5T

RATED CAPACITY TONS	LIFTING SPEED Mts/Min	LOAD CHAIN DIA. MM	CHAIN NUMBER OF FALLS	HOIST MOTOR 3 PHASE OUTPUT (KW)	TEST LOAD TONS	MIN HEADROOM MAX.	NETT WEIGHT
1 TON	6	7.1	1	1.5	1.25	640	60

### DIMENSIONS - MM

CAPACITY	H	A	B	C	D	E	F	I	J	K	L	N
1000 KGS.	640	526	263	263	324	162	162	40	35	40	35	25

### SPECIFICATIONS

RATED CAPACITY TONS	LIFTING SPEED Mts/Min	LOAD CHAIN DIA. MM	CHAIN NUMBER OF FALLS	HOIST MOTOR 3 PHASE OUTPUT (KW)	TEST LOAD TONS	MIN HEADROOM MAX.	NETT WEIGHT
2 TONS	3	7.1	2	3	2.5	800	71

### DIMENSIONS - MM

CAPACITY	H	A	B	C	D	E	F	I	J	K	L	N
2000 KGS.	800	520	315	315	430	230	200	50	40	50	40	35

### SPECIFICATIONS

RATED CAPACITY TONS	LIFTING SPEED Mts/Min	LOAD CHAIN DIA. MM	CHAIN NUMBER OF FALLS	HOIST MOTOR 3 PHASE OUTPUT (KW)	TEST LOAD TONS	MIN HEADROOM MAX.	NETT WEIGHT
3 TONS	5	10 mm	2	3	3.75	960	

### DIMENSIONS - MM

CAPACITY	H	A	B	C	D	E	F	I	J	K	L	N
3000 KGS.	960	520	260	260	360	205	175	43	50	59	48	35

### SPECIFICATIONS

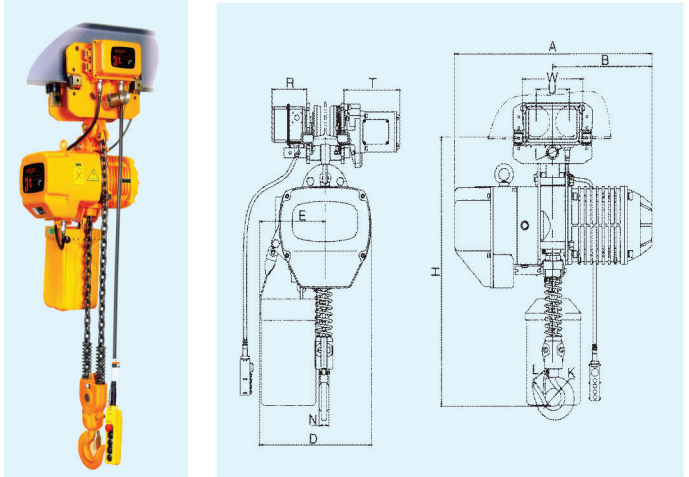
RATED CAPACITY TONS	LIFTING SPEED Mts/Min	LOAD CHAIN DIA. MM	CHAIN NUMBER OF FALLS	HOIST MOTOR 3 PHASE OUTPUT (KW)	TEST LOAD TONS	MIN HEADROOM MAX.	NETT WEIGHT
5 TONS	2.5	11.2	2	3	6.25	980	

### DIMENSIONS - MM

CAPACITY	H	A	B	C	D	E	F	I	J	K	L	N
5000 KGS.	980	615	295	295	430	325	295	54	50	59	48	35

Also Available 2 T Hoist With 6.6 M/min. Speed

## HOIST WITH MOTORISED TROLLEY



## HOIST WITH MOTORISED TROLLEY

Capacity (Tons)	Lifting Height (m)	Lifting Speed (m/min)	Hoist Motor		Trolley Motor				I-Beam (mm)		
			Power (Kw)	Frequency (Hz/s)	Power (Kw)	Rotation Speed (rpm)	Operating Speed (m/min)	Phases		Voltage (V)	Frequency (Hz/s)
0.5	3/9	7	0.75	50	0.25	1440	1440	3	440	50	50-100
0.5	3/9	6	1.1	50	0.3	1440	1440	3	440	50	50-100
1	3/9	6.6	1.5	50	0.4	1440	11	3	440	50	58-153
2	3/9	6.6	3.0	50	0.4	1440	11	3	440	50	82-178
2	3/9	3.3	1.5	50	0.4	1440	11	3	440	50	82-178
3	3/9	5.4	3.0	50	0.75	1440	11	3	440	50	100-178
3	3/9	4.4	3.0	50	0.75	1440	11	3	440	50	100-178
5	3/9	2.7	3.0	50	0.75	1440	11	3	440	50	100-178

Capacity (Tons)	Unit (mm)													
	H	A	B	D	E	I	K	L	N	W	U	R	T	Chain
1	350	520	260	300	176	φ 31	φ 42	32	24	206	111	142	231	φ 7.1
2	770	615	295	430	265	φ 36	φ 49	40	30	237	127	142	231	φ 10.0
2	815	520	260	300	236	φ 36	φ 49	41	30	237	127	142	231	φ 7.1
3	830	615	295	430	265	φ 43	φ 59	48	35	265	140	142	231	φ 11.2
3	930	615	295	430	320	φ 43	φ 59	48	35	265	140	142	231	φ 10.2
5	1015	615	295	430	325	φ 54	φ 60	48	43	296	156	142	231	φ 11.2

## SPECIAL FEATURES :

**BODY-SHELL :** Made of light aluminium alloy, this is light weight, but extremely hard. The cooling fins are specially designed to ensure quick heat dissipation, at the rate upto 40% continuously. It is oven baked Paint. The integral enclosed structure is most suitable for places like chemical & Electro Plating Plants.

**SIDE MAGNETIC BRAKING DEVICE :** The magnetic force generator, is the latest design, which is used for generating magnetic force. It allows instant braking, as soon as the electric power is cut-off. Thus total brake safety is guaranteed. While loading & unloading, is carried out.

**LIMIT SWITCHES :** The limit switches is installed, so as to prevent the chains from exceeding their limit.

**CHAIN :** The chain used, is manufactured from aluminium- alloy, & is heat treated. It can be safely used in poor environments.

**HOOKS :** Forged from alloy steel, with perfect strength, that is hard to break. The operational safety, of the lower hook, is ensured by its 360 degrees rotation and safety-tongue piece.

**SUPPORT FRAME :** Loading support frame, consists of 2 steel plates, these are extremely sturdy,

**TRANSFORMER :** 24V/36V Transformer Device, is used to prevent, unexpected accidents, caused by electrical leakage. This guarantees, Safe use, during rains.

**SPROCKET WHEEL :** Alloy steel, Hardened and tempered.

**ELECTROMAGNETIC CONTACTORS :** These contactors, can be used safely, under high frequency.

**INVERSE PHASE SEQUENCE - PROTECTING DEVICE :** This is a special electrical installation. It controls the circuit, and prevents, its operation, in case of a wiring error, in the power supply.

**PUSH BUTTONS :** Water Proof Push Button Device, is attached to the hoist. It is light & durable.

### STANDARD ACCESSORIES

Chain Bag collect : With standard 3 metres Lift-Only  
Control Cable : 3 Metres Lift  
Push Button Switch : 1 No.

### COMMON FEATURES

Standard Lift : 3 Metres  
Volts : 440  
RPM : 1440  
HOIST MOTOR: 3 PHASE  
TESTED TO 25% OVERLOAD  
USE : 40% Intermittent Duty