

**SWIFT**



# FOOT CRANES

● Safety

● Quality

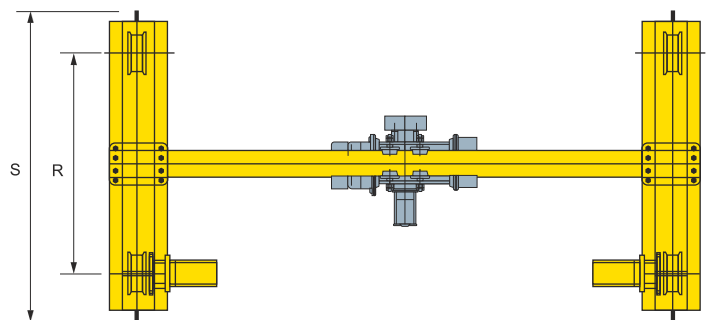
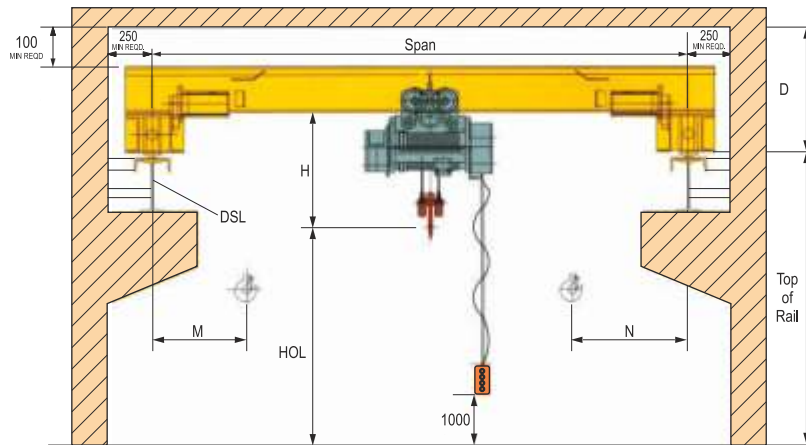
● Reliability



# Single Girder E.O.T. Cranes / Double Girder E.O.T. Cranes

## Standard Features:

- Standard single speed motors
- Two speed option available through micro-motors, two speed motors and variable frequency drives
- Compact Hoist design, giving minimum hook approaches
- Durable wire rope guide ring keeps wire rope from unwrapping and minimises rope and drum wear
- Quality test certificates for hoist test, wire rope, hook forgings etc.
- DC Electromagnetic brake for hoisting motion
- Option of centrifugal mechanical / AC or DC electromagnetic brake for cross and long travel motions
- Welded box type or standard rolled 'I' beam construction for main bridge girder
- Standard supply voltage 415 V, 50 Hz
- Optional supply voltages available upon request
- Standard control voltage 110 V Optional control voltages 24 V / 48 V
- Standard cross travel speeds 12-15 mpm
- Standard long travel speeds 20 mpm
- Other speeds available upon request
- Tables indicate Cranes designed as per Mechanism Class M5 or Class II as per IS 3177
- Cranes can also be designed for other classifications
- Compact long and cross travel drives
- Limit switches for all motions
- Emergency upper limit switch for hoisting motion
- Electrical overload relay protection for each motor
- Low headroom hoist option
- Anti-fall arrangement
- Anti-derailment arrangement
- Underslung cranes can also be supplied where there is constraint of space
- Crane component kits can also be supplied

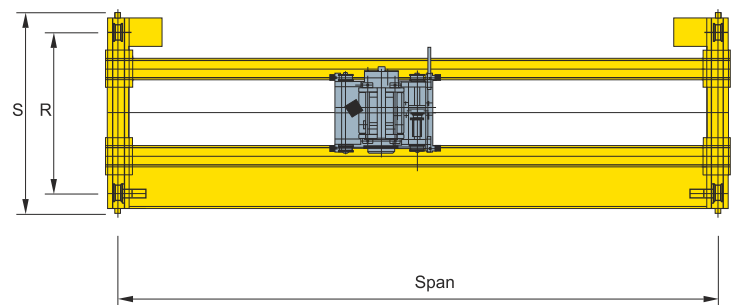
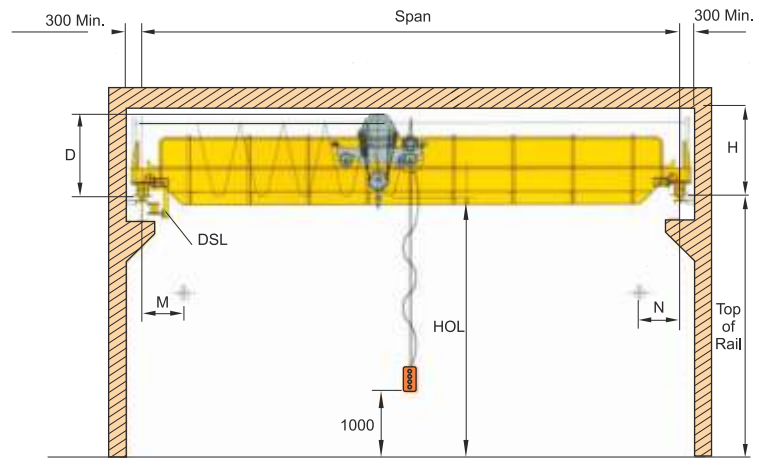


## Common Optional Features for all cranes :

- Anti-collision arrangement for two or more cranes working in the same bay
- Independent moving pendant
- Load limiter
- Load indicator
- Slack wire limit switch
- Hour meter
- Radio remote
- Alarm
- Bridge lights

## Single Girder E.O.T. Cranes :

Hoist / SWL / Lift / Hoist Speed	Span (Mtr.)	M (mm)	N (mm)	S (mm)	R (mm)	D Min (mm)	H Head-room (mm)	Wheel Load (Ton)	Weight (kg)	Rail size (mm <sup>2</sup> )
E204 MD 2000 kg 7.5 Mtr. 03.25 MPM	6*	1000	900	1950	1200	700	1050	1.20	1550	40
	9*	1000	900	2550	1800	800	1050	1.35	1900	40
	12*	1000	900	3150	2400	920	1050	1.55	2550	40
	15	1000	900	3750	3000	1030	1050	1.75	3240	40
	18	1000	900	4350	3600	1150	1050	2.04	4400	40
	21	1000	900	4950	4200	1275	1050	2.20	5000	40
E304 MD 3000 kg 6.5 Mtr. 03.25 MPM	24	1000	900	5550	4800	1380	1050	2.23	5100	40
	27	1000	900	6150	5400	1500	1050	2.50	6090	40
	6*	1050	950	1950	1200	800	1200	1.69	1740	40
	9*	1050	950	2550	1800	900	1200	1.87	2160	40
	12*	1050	950	3150	2400	1020	1200	2.10	2900	40
	15	1050	950	3750	3000	1150	1200	2.40	3930	40
E504 MD 5000 kg 4.75 Mtr. 03.35 MPM	18	1050	950	4350	3600	1200	1200	2.60	4660	40
	21	1050	950	4950	4200	1400	1200	2.67	4890	40
	24	1050	950	5550	4800	1475	1200	2.85	5560	40
	27	1050	950	6150	5400	1650	1200	3.04	6330	40
	6*	1100	1000	1950	1200	900	1350	2.62	2095	40
	9*	1100	1000	2550	1800	1000	1350	2.92	2700	40
E604 MD 6000 kg 6 Mtr. 03.50 MPM	12*	1100	1000	3150	2400	1150	1350	3.23	3650	40
	15	1100	1000	3750	3000	1160	1350	3.50	4510	40
	18	1100	1000	4350	3600	1270	1350	3.60	4660	40
	21	1100	1000	4950	4200	1420	1350	3.80	5550	40
	24	1100	1000	5550	4800	1550	1350	4.30	7575	40
	27	1100	1000	6150	5400	1700	1350	4.60	8910	40
E7504 MD 7500 kg 7.25 Mtr. 04.00 MPM	6*	1150	1050	1950	1200	950	1450	3.10	2500	40
	9*	1150	1050	2550	1800	1000	1450	3.50	2250	40
	12*	1150	1050	3150	2400	1150	1450	3.83	4300	40
	15	1150	1050	3750	3000	1200	1450	4.00	4770	40
	18	1150	1050	4350	3600	1325	1450	4.25	5010	40
	21	1150	1050	4950	4200	1450	1450	4.50	6550	40
E1004 MD 10000 kg 7.25 Mtr. 03.00 MPM	24	1150	1050	5550	4800	1600	1450	4.98	8330	40
	27	1150	1050	6150	5400	1700	1450	5.32	9620	40
	6*	1200	1100	1950	1200	1000	1750	4.00	3230	40
	9*	1200	1100	2550	1800	1050	1750	4.48	4100	40
	12*	1200	1100	3150	2400	1150	1750	4.79	4930	40
	15	1200	1100	3750	3000	1200	1750	5.07	5750	50
E1004 MD 10000 kg 7.25 Mtr. 03.00 MPM	18	1200	1100	4350	3600	1325	1750	5.43	7000	50
	21	1200	1100	4950	4200	1450	1750	5.75	8150	50
	24	1200	1100	5550	4800	1600	1750	6.28	10100	50
	27	1200	1100	6150	5400	1700	1750	6.77	12050	50
	6*	1200	1100	1950	1200	1100	1900	5.13	3500	40
	9*	1200	1100	2550	1800	1200	1900	5.67	4400	40
E1004 MD 10000 kg 7.25 Mtr. 03.00 MPM	12*	1200	1100	3150	2400	1250	1900	6.11	5480	50
	15	1200	1100	3750	3000	1300	1900	6.62	6900	50
	18	1200	1100	4350	3600	1375	1900	7.03	8550	50
	21	1200	1100	4950	4200	1500	1900	7.50	10450	50
	24	1200	1100	5550	4800	1650	1900	8.00	11690	50



- \*Crane Girder will be supplied with Rolled 'I' beam
- If lifting need is beyond the listed range, please consult your local CHPL (Swift) representative or consult the Head Office for suitable solution

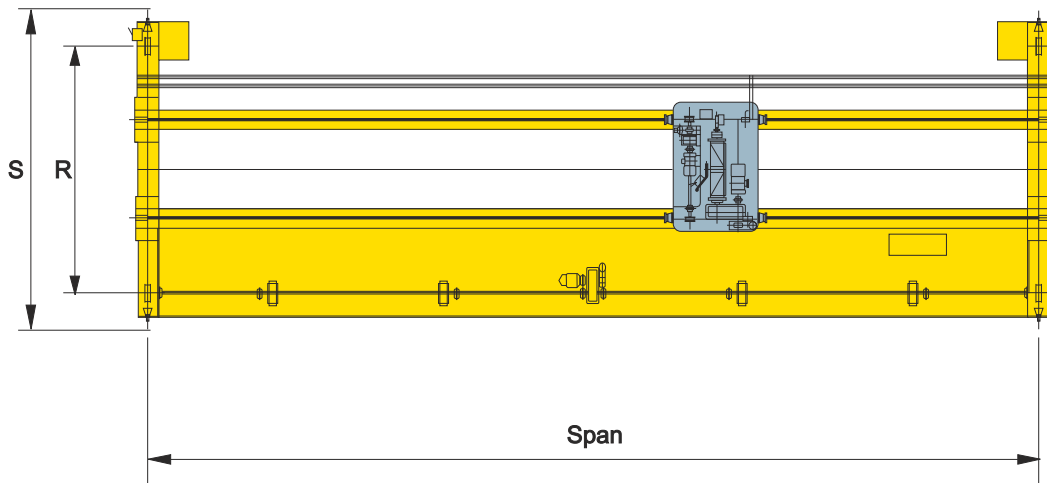
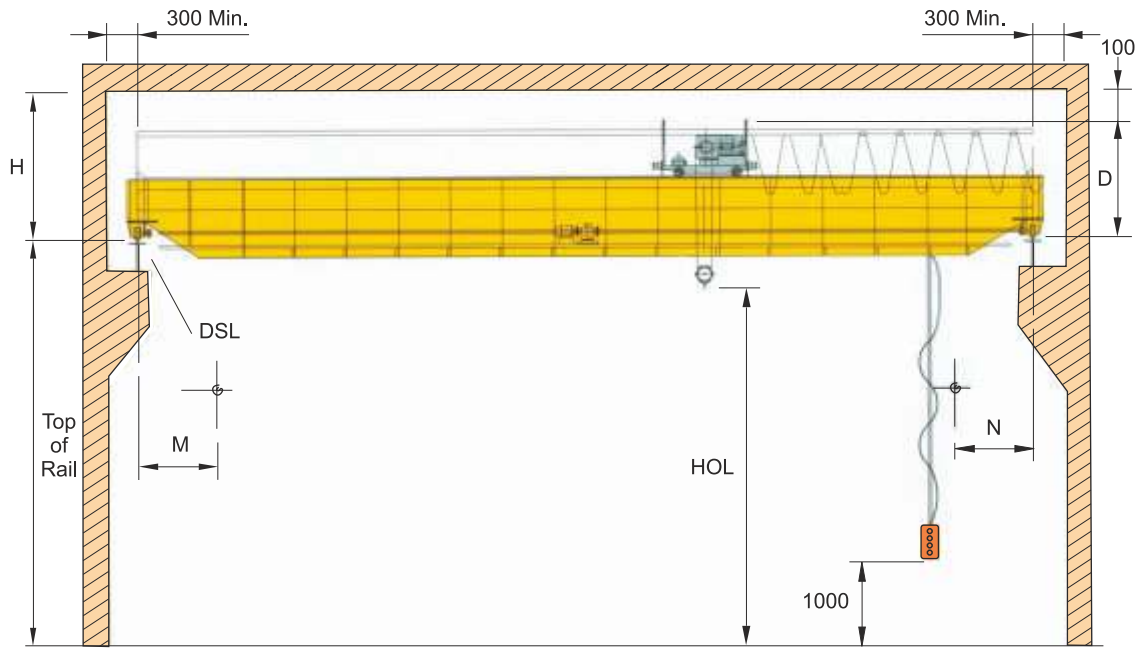
### Double Girder E.O.T. Cranes :

SWL / Lift / Model Hoist Speed C.T. Speed L.T. Speed	Span (Mtr.)	M (mm)	N (mm)	S (mm)	R (mm)	D (mm)	H (Min)	Wheel Load (Ton)	Weight (kg)	Rail size
2000 kg / 8.0 Mtr. / E 204 03.25 MPM 09.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1400	1500	1.80	2400	40 mm <sup>2</sup>
	12	1150	1100	3250	2400	1400	1500	2.00	2900	40 mm <sup>2</sup>
	15	1150	1100	3850	3000	1400	1500	2.30	4000	40 mm <sup>2</sup>
	18	1150	1100	4450	3600	1400	1500	2.60	5000	40 mm <sup>2</sup>
	21	1150	1100	5050	4200	1500	1600	2.80	6500	40 mm <sup>2</sup>
	24	1200	1100	5650	4800	1500	1600	3.00	7450	40 mm <sup>2</sup>
	27	1200	1100	5650	4800	1550	1650	3.30	7700	40 mm <sup>2</sup>
30	1200	1100	5850	5000	1550	1650	3.70	9200	40 mm <sup>2</sup>	
3000 kg / 8.0 Mtr. / 2 E 304 03.35 MPM 09.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1500	1600	2.50	2800	40 mm <sup>2</sup>
	12	1150	1100	3250	2400	1500	1600	2.80	2500	40 mm <sup>2</sup>
	15	1150	1100	3850	3000	1500	1600	3.15	4500	40 mm <sup>2</sup>
	18	1150	1100	4450	3600	1500	1600	3.36	6300	40 mm <sup>2</sup>
	21	1150	1100	5050	4200	1600	1700	3.90	7100	40 mm <sup>2</sup>
	24	1200	1100	5650	4800	1600	1700	4.00	7500	50 mm <sup>2</sup>
	27	1200	1100	5650	4800	1650	1750	4.20	8400	50 mm <sup>2</sup>
30	1200	1100	5850	5000	1650	1750	4.50	10000	50 mm <sup>2</sup>	
5000 kg / 8.0 Mtr. / 3 E 504 03.35 MPM 15.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1550	1650	3.85	5500	40 mm <sup>2</sup>
	12	1150	1100	3250	2400	1550	1650	4.10	7100	40 mm <sup>2</sup>
	15	1150	1100	3850	3000	1550	1650	4.20	8100	40 mm <sup>2</sup>
	18	1150	1100	4450	3600	1550	1650	4.85	10300	50 mm <sup>2</sup>
	21	1150	1100	5050	4200	1650	1750	6.00	15000	50 mm <sup>2</sup>
	24	1200	1100	5650	4800	1650	1750	6.50	17500	50 mm <sup>2</sup>
	27	1200	1100	5650	4800	1700	1750	8.60	25500	50 mm <sup>2</sup>
30	1200	1100	5850	5000	1700	1750	10.20	30000	50 mm <sup>2</sup>	
7500 kg / 8.0 Mtr. / 2 E 7504 04.00 MPM 15.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1800	1900	5.10	7000	40 mm <sup>2</sup>
	12	1150	1100	3250	2400	1800	1900	5.5	8000	50 mm <sup>2</sup>
	15	1150	1100	3850	3000	1800	1900	6.00	9100	50 mm <sup>2</sup>
	18	1150	1100	4450	3600	1800	1900	6.60	11000	50 mm <sup>2</sup>
	21	1150	1100	5050	4200	1900	2000	7.00	15600	50 mm <sup>2</sup>
	24	1200	1100	5650	4800	1900	2000	7.50	18000	60lb/yard
	27	1200	1100	5650	4800	1950	2050	9.00	26000	60lb/yard
30	1200	1100	5850	5000	1950	2050	10.50	32000	60lb/yard	
10000 kg / 8.0 Mtr. / 2 E 1004 03.00 MPM 15.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1600	1700	6.65	7500	50 mm <sup>2</sup>
	12	1150	1100	3250	2400	1600	1700	7.10	9050	50 mm <sup>2</sup>
	15	1150	1100	3850	3000	1600	1700	7.30	10000	50 mm <sup>2</sup>
	18	1150	1100	4450	3600	1850	1950	7.75	12500	50 mm <sup>2</sup>
	21	1150	1100	5050	4200	1850	1950	8.10	15000	60lb/yard
	24	1200	1100	5650	4800	1850	1950	8.70	18500	60lb/yard
	27	1200	1100	5650	4800	1850	1950	11.00	28000	60lb/yard
30	1200	1100	5850	5000	1850	1950	12.00	33000	60lb/yard	
12500 kg / 8.0 Mtr. / 2 E 1254 03.00 MPM 15.00 MPM 20.00 MPM	9	1350	1150	2650	1800	1700	1800	7.10	7500	50 mm <sup>2</sup>
	12	1350	1150	3250	2400	1700	1800	8.15	9200	50 mm <sup>2</sup>
	15	1350	1150	3850	3000	1700	1800	8.25	10200	50 mm <sup>2</sup>
	18	1350	1150	4450	3600	1900	2000	9.35	12500	50 mm <sup>2</sup>
	21	1350	1150	5050	4200	1900	2000	9.80	16000	60lb/yard
	24	1400	1150	5650	4800	1900	2000	10.00	19000	60lb/yard
	27	1400	1150	5650	4800	1900	2000	12.75	29000	60lb/yard
30	1400	1150	5850	5000	1900	2000	13.20	33000	60lb/yard	
15000 kg / 8.0 Mtr. / 3 E 1506 02.00 MPM 15.00 MPM 20.00 MPM	9	1350	1200	2650	1800	1700	1800	8.85	8000	50 mm <sup>2</sup>
	12	1350	1200	3250	2400	1700	1800	9.65	10000	50 mm <sup>2</sup>
	15	1350	1200	3850	3000	1700	1800	10.00	11500	50 mm <sup>2</sup>
	18	1350	1200	4450	3600	1950	2050	10.80	14000	50 mm <sup>2</sup>
	21	1350	1250	5050	4200	1950	2050	11.70	18200	60lb/yard
	24	1400	1250	5650	4800	1950	2050	12.05	20500	60lb/yard
	27	1400	1250	5650	4800	1950	2050	13.85	30000	90lb/yard
30	1400	1250	5850	5000	1950	2050	15.00	34000	90lb/yard	

- If your lifting need is beyond the listed range, please consult your local CHPL (Swift) representative or consult the Head Office for suitable solution

# Double Girder

Open Winch Crab  
Type Crane



## Double Girder Open Winch Crab Type Cranes :

SWL / LIFT Hoist Speed C.T. Speed L.T. Speed	Span (Mtr.)	M (mm)	N (mm)	S (mm)	R (mm)	D (mm)	H (Min) (mm)	Wheel Load (Ton)	Weight (kg)	Rail size
5000 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1650	1750	4.50	6800	40 mm <sup>2</sup>
	12	1150	1100	3250	2400	1650	1750	4.95	8800	40 mm <sup>2</sup>
	15	1150	1100	3850	3000	1650	1750	5.30	10300	40 mm <sup>2</sup>
	18	1150	1100	4450	3600	1900	2000	6.10	12800	40 mm <sup>2</sup>
	21	1150	1100	5050	4200	1900	2000	7.50	18200	50 mm <sup>2</sup>
	24	1200	1100	5650	4800	1900	2000	8.20	21500	50 mm <sup>2</sup>
	27	1200	1100	5650	4800	1900	2000	10.50	30000	50 mm <sup>2</sup>
30	1200	1100	5850	5000	1900	2000	11.80	36000	63 mm <sup>2</sup>	
7500 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1650	1750	5.50	7800	40 mm <sup>2</sup>
	12	1150	1100	3250	2400	1650	1750	6.10	9200	40 mm <sup>2</sup>
	15	1150	1100	3850	3000	1650	1750	6.50	10500	50 mm <sup>2</sup>
	18	1150	1100	4450	3600	1900	2000	7.60	13000	50 mm <sup>2</sup>
	21	1150	1100	5050	4200	1900	2000	8.60	19500	50 mm <sup>2</sup>
	24	1200	1100	5650	4800	1900	2000	9.50	22000	50 mm <sup>2</sup>
	27	1200	1100	5650	4800	1900	2000	11.50	31000	60lb/yard
30	1200	1100	5850	5000	1900	2000	13.00	37500	60lb/yard	
10000 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1150	1100	2650	1800	1700	1800	7.00	8200	50 mm <sup>2</sup>
	12	1150	1100	3250	2400	1700	1800	7.60	10000	50 mm <sup>2</sup>
	15	1150	1100	3850	3000	1700	1800	8.20	11800	50 mm <sup>2</sup>
	18	1150	1100	4450	3600	2000	1800	9.00	14500	50 mm <sup>2</sup>
	21	1150	1100	5050	4200	2000	2100	10.50	19800	60lb/yard
	24	1200	1100	5650	4800	2000	2100	11.20	23500	60lb/yard
	27	1200	1100	5650	4800	2000	2100	13.50	33000	60lb/yard
30	1200	1100	5850	5000	2000	2100	15.00	38500	60lb/yard	
12500 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1300	1100	2650	1800	1800	1900	8.10	8500	50 mm <sup>2</sup>
	12	1300	1100	3250	2400	1800	1900	8.80	10500	50 mm <sup>2</sup>
	15	1300	1100	3850	3000	1800	1900	9.60	13000	50 mm <sup>2</sup>
	18	1300	1100	4450	3600	2000	1900	10.60	15000	50 mm <sup>2</sup>
	21	1300	1100	5050	4200	2000	2200	11.80	21000	60lb/yard
	24	1350	1100	5650	4800	2000	2200	12.50	24000	60lb/yard
	27	1350	1100	5650	4800	2000	2200	15.00	33500	60lb/yard
30	1350	1100	5850	5000	2000	2200	16.00	39000	60lb/yard	
15000 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1300	1150	2650	1800	1800	1900	9.50	9500	50 mm <sup>2</sup>
	12	1300	1150	3250	2400	1800	1900	10.40	11500	50 mm <sup>2</sup>
	15	1300	1150	3850	3000	1800	1900	11.00	13500	50 mm <sup>2</sup>
	18	1300	1150	4450	3600	2000	1900	11.80	16000	50 mm <sup>2</sup>
	21	1300	1200	5050	4200	2000	2200	13.10	21000	60lb/yard
	24	1350	1200	5650	4800	2000	2200	13.80	24000	60lb/yard
	27	1350	1200	5650	4800	2000	2200	16.10	33500	63 mm <sup>2</sup>
30	1350	1200	5850	5000	2000	2200	17.50	39000	63 mm <sup>2</sup>	
20000 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1350	1200	2650	1800	1900	2000	12.20	11800	50 mm <sup>2</sup>
	12	1350	1200	3250	2400	1900	2000	13.00	13800	50 mm <sup>2</sup>
	15	1350	1200	3850	3000	1900	2000	13.90	15800	60lb/yard
	18	1350	1200	4450	3600	2100	2000	15.10	19200	60lb/yard
	21	1350	1200	5050	4200	2100	2200	16.00	22200	63 mm <sup>2</sup>
	24	1400	1200	5650	4800	2100	2200	17.00	26200	63 mm <sup>2</sup>
	27	1400	1200	5650	4800	2100	2200	19.50	34400	90lb/yard
30	1400	1200	5850	5000	2100	2200	20.50	40500	90lb/yard	
25000 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1350	1200	2650	1800	2000	2100	14.60	12300	60lb/yard
	12	1350	1200	3250	2400	2000	2100	15.60	14800	63 mm <sup>2</sup>
	15	1350	1200	3850	3000	2000	2100	16.80	17800	63 mm <sup>2</sup>
	18	1350	1200	4450	3600	2200	2100	16.18	19800	90lb/yard
	21	1350	1200	5050	4200	2200	2300	19.20	24000	90lb/yard
	24	1400	1200	5650	4800	2200	2300	19.60	29500	80CR
	27	1400	1200	5650	4800	2200	2300	22.10	38500	80CR
30	1400	1200	5850	5000	2200	2300	23.50	42000	80CR	
30000 kg / 8.0 Mtr. / 03.00 MPM 15.00 MPM 20.00 MPM	9	1400	1200	2650	1800	2300	2400	17.20	13200	90lb/yard
	12	1400	1200	3250	2400	2300	2400	18.20	15800	80CR
	15	1400	1200	3850	3000	2300	2400	19.20	19000	80CR
	18	1400	1200	4450	3600	2300	2400	20.80	22000	80CR
	21	1400	1200	5050	4200	2900	3000	22.20	27500	80CR
	24	1450	1200	5650	4800	2900	3000	23.30	31500	80CR
	27	1450	1200	5650	4800	2900	3000	25.00	37500	80CR
30	1450	1200	5850	5000	2900	3000	26.50	42500	80CR	

## Double Girder Open Winch Crab Type Cranes :

### Standard Features :

- Modular construction makes it possible to supply cranes for any class, application, speed as required
- Tables indicate Cranes designed as per Mechanism Class M5 or Class II as per IS 3177
- Rugged construction
- Full length service platform on one side for maintenance of crab, control panels and drives
- Low maintenance Cranes
- Double shoe type hydraulic / AC or DC electromagnetic brakes for all motions
- Option of squirrel cage / slip ring motors for all motions depending upon load spectrum
- Multiple speeds through optional Variable Frequency Drive
- Option for central or twin drive for long travel
- Extra brake for hoisting for capacities above 20 Ton
- Heavy duty limit switches for all motions
- Box type construction for main bridge girders
- Specially designed wheels with 'L' type housing for easy removal
- Anti-fall arrangement
- Anti-derailment arrangement
- Forged and hardened wheels
- Radiographic test carried out for all butt welds under tension
- Crane component kits can be supplied

- If your lifting need is beyond the listed range, please consult your local CHPL (Swift) representative or consult the Head Office for suitable solution
- Crane is supplied with Twin drive above 15 meters span

Due to constant improvement in design we reserve the right to change the dimensions & specifications mentioned herein, without prior notice.

Manufactured by :



## CONSOLIDATED HOISTS PVT. LTD.

### REGD. OFFICE & WORKS I :

29/30, Industrial Estate, Gultekdi, Pune - 411 037, INDIA.  
Phone : 020 - 2452 0200  
E-mail : sales@chpl.in, enquiry@chpl.in  
Website : www.consolidatedhoists.com

### WORKS II :

G-1, Industrial Estate, M. I. D. C., Satara - 415 004.  
Phone : 02162 - 244422, Telefax : 02162 - 244437

DEALERS ALL OVER INDIA

