

JAS-ANZ



ISO 9001:2008

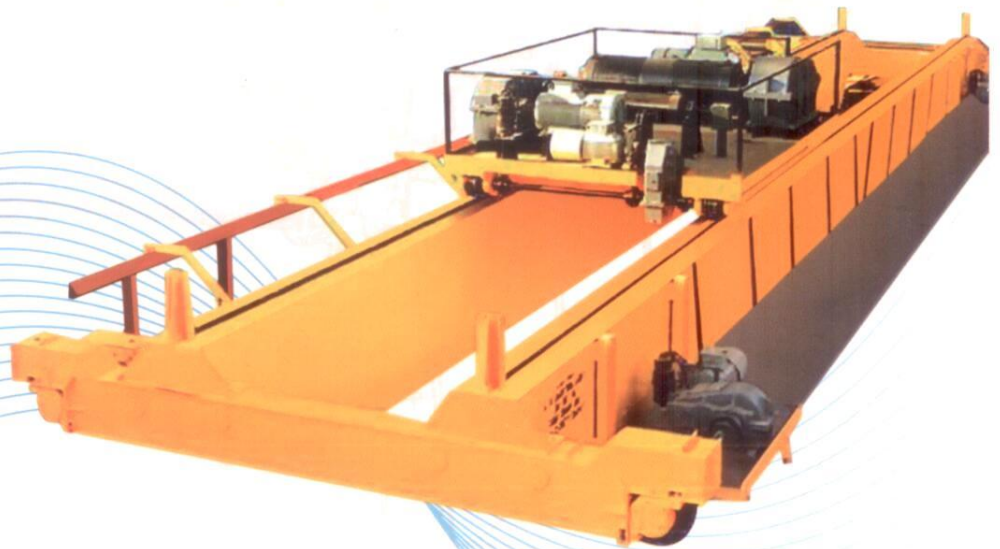


ManoTech

ENGINEERS PVT. LTD.

(An ISO 9001:2008 Certified Company)

YOUR TRUST IS OUR SUCCESS



EOT CRANES & ELECTRIC WIRE ROPE HOISTS



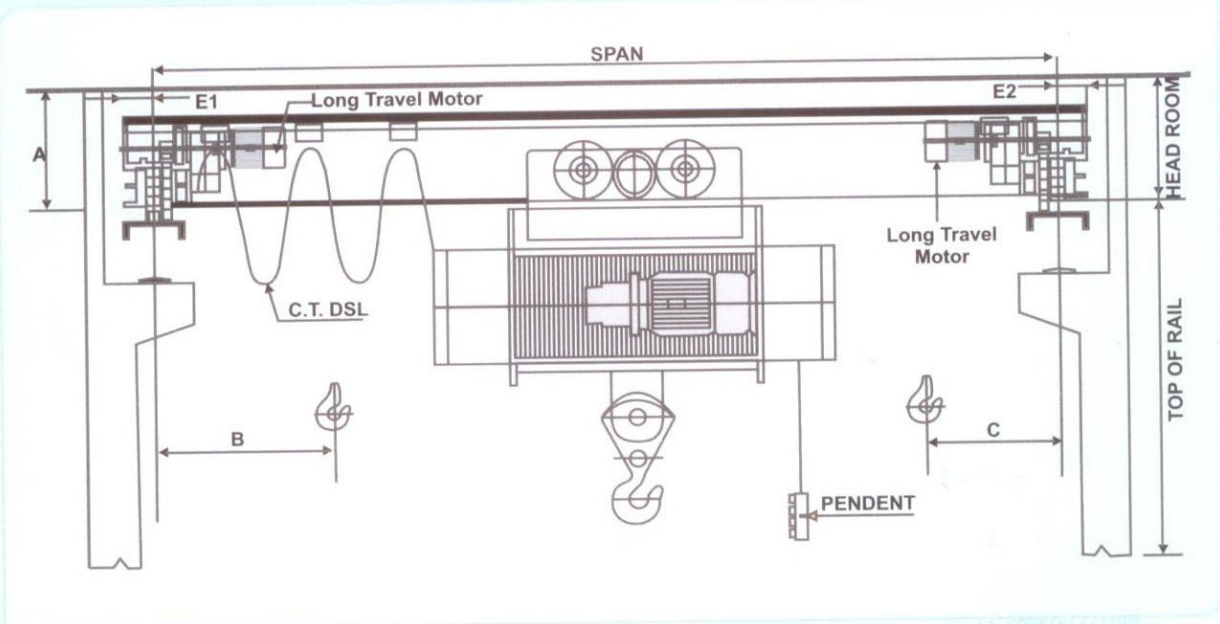
MONOTECH optimally designed & constructed Double Girder EOT Cranes are a result of the most practical, intelligent, reliable, economical and balanced solution for today's Overhead handling of loads in various maintenance shops, a steel melting or foundry shop handling cold or hot materials, a godown or any other application or user's needs for which we are fully equipped in respect of Design & Manufacturing capabilities acquired over a period of more than two decades. Being custom produced with standardization these cranes are an answer to your various material handling needs.

DOUBLE GIRDER CRANE TECHNICAL PARAMETERS

Class	Capacity tonne		Head Room H in meters for Span					Basic Parameters in meters for 12M height of lift & 20 Span						Weight in tonne Crane Span			Wheel Load in tonne for Span		
	MH	AH	15M	20M	25M	A1/A2	B	C	P	Q	R	Crab	15M	20N	25M	15M	20M	25M	
II	3.2	-	1.5	1.6	1.7	0.20	4.2	5.2	0.9	0.8	-	1.1	14.0	17.0	22.5	7.5	8.0	9.0	
			III	1.5	1.6	1.4	0.20	4.2	5.2	0.9	0.8	-	1.5	14.5	18.5	24.0	7.7	8.5	10.0
			IV	1.6	1.7	1.8	0.20	4.2	5.2	0.9	0.8	-	2.0	15.5	19.0	25.0	8.0	9.0	10.5
II	5		1.6	1.7	1.7	0.25	4.2	5.2	0.9	0.8	-	1.5	14.5	17.5	23.0	8.0	8.5	10.0	
			III	1.7	1.7	1.8	0.25	4.2	5.2	0.9	0.8	-	2.2	15.5	18.5	24.0	8.5	9.0	10.5
			IV	1.7	1.7	1.9	0.25	4.2	5.2	0.9	0.8	-	2.5	16.5	19.0	26.0	9.0	9.5	11.0
II	6.3		1.6	1.7	1.7	0.25	4.2	5.2	0.9	0.8	-	2.1	15.0	19.0	24.0	8.5	9.5	11.0	
			III	1.7	1.7	1.8	0.25	4.2	5.2	0.9	0.8	-	2.3	16.0	20.0	25.0	9.0	10.0	11.5
			IV	1.7	1.7	1.9	0.25	4.2	5.2	0.9	0.8	-	3.0	17.0	22.5	26.5	9.5	11.0	12.0
II	8	3.2	1.6	1.7	1.8	0.25	4.2	5.2	1.0	0.9	0.7	2.2	15.5	19.5	24.5	9.0	10.0	11.5	
			III	1.7	1.8	1.8	0.25	4.2	5.2	1.0	0.9	0.7	3.5	17.0	21.5	26.5	9.5	10.5	12.0
			IV	1.8	1.9	2.0	0.25	4.2	5.2	1.0	0.9	0.7	4.0	18.0	22.0	27.5	10.0	11.0	12.5
II	10	3.2	1.8	1.8	1.9	0.25	4.2	5.2	1.0	0.9	0.8	3.5	18.0	21.0	26.0	10.5	11.5	12.5	
			III	1.8	1.9	2.0	0.25	4.2	5.2	1.0	0.9	0.8	4.0	18.5	22.0	27.0	11.0	11.5	13.0
			IV	1.9	2.0	2.2	0.30	4.2	5.2	1.0	0.9	0.8	5.5	20.5	25.5	31.0	11.5	12.5	13.5
II	12.5	3.2	1.9	1.9	2.0	0.30	4.2	5.2	1.0	0.9	0.8	4.0	19.0	23.0	28.5	12.0	13.0	14.5	
			III	1.9	1.9	2.0	0.30	4.2	5.2	1.0	0.9	0.8	6.5	21.0	26.0	32.5	13.0	14.0	15.5
			IV	2.0	2.1	2.3	0.30	4.2	5.2	1.0	0.9	0.8	8.0	23.5	30.5	36.5	14.0	16.0	16.5
II	15	5	2.0	2.0	2.2	0.30	4.2	5.2	1.1	1.0	0.8	6.0	22.0	26.0	32.5	15.0	16.0	17.5	
			III	2.0	2.0	2.2	0.30	4.2	5.2	1.1	1.0	0.8	7.0	23.5	28.0	34.0	15.5	17.0	18.5
			IV	2.2	2.3	2.6	0.30	4.2	5.2	1.1	1.0	0.8	9.0	27.0	32.0	39.0	17.0	18.0	20.0
II	20	5	2.0	2.1	2.3	0.30	4.6	5.6	1.2	1.2	0.9	7.5	23.5	29.0	36.5	18.0	19.0	21.0	
			III	2.1	2.1	2.3	0.30	4.6	5.6	1.2	1.2	0.9	8.5	27.5	32.0	38.0	19.0	20.0	21.5
			IV	2.3	2.3	2.4	0.30	4.6	5.6	1.2	1.2	0.9	10.0	31.0	36.0	43.0	20.0	21.5	23.5
II	25	8	2.3	2.4	2.5	0.30	4.6	5.6	1.3	1.3	0.9	8.0	28.0	33.5	38.5	22.0	23.0	24.0	
			III	2.4	2.5	2.7	0.30	4.6	5.6	1.3	1.3	0.9	10.5	30.5	35.5	44.0	23.0	24.0	26.0
			IV	2.6	2.7	3.0	0.30	4.6	5.6	1.3	1.3	0.9	12.5	34.5	40.0	47.0	24.0	25.5	27.5
II	32	8	2.6	2.8	3.3	0.350	5.0	6.0	1.2	1.1	1.1	9.5	30.0	36.0	43.0	13.0	13.5	14.5	
			III	2.6	2.8	3.3	0.350	5.0	6.0	1.2	1.1	1.1	11.5	33.5	39.5	46.5	13.5	14.5	15.0
			IV	3.0	3.2	3.5	0.350	5.0	6.0	1.2	1.2	1.4	14.0	37.5	44.0	51.0	14.5	15.0	16.0
II	40	10	3.2	3.3	3.5	0.350	5.0	6.0	1.3	1.1	1.2	11.5	33.5	40.0	48.5	15.5	16.5	17.5	
			III	3.2	3.3	3.5	0.350	5.0	6.0	1.3	1.1	1.2	13.5	36.5	43.5	53.0	16.0	17.0	18.5
			IV	3.5	3.5	3.8	0.350	5.0	6.0	1.3	1.1	1.2	16.0	40.5	47.5	56.0	17.0	18.0	19.0
II	50	10	3.5	3.5	3.8	0.350	5.5	7.0	1.4	1.1	1.2	14.0	40.0	48.0	58.0	18.0	19.0	20.5	
			III	3.5	3.5	3.8	0.350	5.5	7.0	1.4	1.1	1.2	16.0	46.0	54.0	65.0	19.0	20.0	21.5
			IV	3.7	3.8	4.0	0.350	5.5	7.0	1.4	1.1	1.2	19.0	55.0	65.0	78.0	20.0	21.5	23.5
II	63	15	3.7	3.8	3.8	0.350	6.5	8.0	1.6	1.2	1.2	16.0	47.0	53.0	62.0	22.0	22.5	24.5	
			III	3.9	4.0	4.2	0.350	5.5	7.0	1.4	1.1	1.2	17.0	52.0	59.0	70.0	23.0	24.0	25.5
			IV	4.2	4.2	4.5	0.350	6.5	8.0	1.6	1.2	1.2	20.0	60.0	68.0	82.0	24.0	25.0	27.0
II	80	20	4.0	4.2	4.2	0.350	7.6	10.2	1.9	1.3	1.4	32.0	70.00	80.0	97.0	30.0	31.5	33.5	
			III	4.0	4.2	4.5	0.350	7.6	10.2	1.9	1.3	1.4	35.0	77.0	89.0	107	31.0	32.5	35.0
			IV	4.5	4.5	4.7	0.350	7.6	10.2	1.9	1.3	1.4	40.0	88.0	102	123	33.0	35.0	37.0
II	100	25	4.2	4.5	4.8	0.350	8.2	11.0	1.9	1.4	1.6	34.0	82.0	93.0	107	36.0	37.5	39.0	
			III	4.2	4.5	4.8	0.350	8.2	11.0	1.9	1.4	1.6	37.0	91.0	102	118	37.5	39.0	41.0
			IV	4.5	4.8	5.0	0.350	8.2	11.0	1.9	1.4	1.6	43.0	105	118	140	40.0	41.5	41.0

- Note**
1. Cranes from 32 to 100 tonne capacity shall have 8 wheels in long travel.
 2. Weights & wheel loads are approximate and may vary as per recommendations of design department.
 3. For higher capacities above 100 tonne. Please refer to our marketing and design office.

SINGLE GIRDER CRANE TECHNICAL PARAMETERS



Capacity Tonne	Span in meters	Bridge	A meters	B meters	C meters	Wheel Load Tonne (approx.)	Net Wt. Tonne (approx)	E1/E2 meters
1.0	8	Beam	1.00	0.9	0.7	0.97	1.60	0.2
	10	Beam	1.00	0.9	0.7	1.06	2.03	0.2
	15	Beam	1.00	0.9	0.7	1.26	3.00	0.2
	20	Beam	1.00	0.9	0.7	1.59	4.10	0.2
2.0	8	Beam	1.00	0.9	0.7	1.54	1.92	0.2
	10	Beam	1.00	0.9	0.7	1.60	2.12	0.2
	15	Beam	1.00	0.9	0.7	1.90	3.35	0.2
	20	Beam	1.00	0.9	0.7	2.26	4.80	0.2
3.0	8	Beam	1.00	1.0	0.7	2.10	2.00	0.2
	10	Beam	1.00	1.0	0.7	2.22	2.50	0.2
	15	Beam	1.00	1.0	0.7	2.62	4.10	0.2
	20	Box	1.00	1.0	0.7	3.17	6.30	0.2
5.0	8	Beam	1.10	1.2	0.9	3.37	2.90	0.25
	10	Beam	1.10	1.2	0.9	3.42	3.10	0.25
	15	Beam	1.10	1.2	0.9	4.05	5.60	0.25
	20	Box	1.10	1.2	0.9	4.50	7.40	0.25
7.5	8	Beam	1.10	1.25	1.0	4.85	3.60	0.25
	10	Beam	1.10	1.25	1.0	5.00	4.20	0.25
	15	Box	1.10	1.25	1.0	5.50	6.20	0.25
	20	Box	1.20	1.25	1.0	6.07	8.50	0.25
10.0	8	Beam	1.20	1.40	1.0	6.32	4.40	0.25
	10	Beam	1.20	1.40	1.0	6.47	5.00	0.25
	15	Box	1.20	1.40	1.0	7.02	7.20	0.25



HOIST SELECTION CHART

Capacity Kgs.	Model	Lift	Rope Dia mm	Hoisting Speed M / Min	Hoisting Motor H.P.	Travelling Speed M / Min	Travelling Motors H.P.	Approx. Weight Kgs.	Minimum ISMB Size
500	MT-0.5	10	6	10.0	2.0	15	0.25	150	200
1000	MT Bay-1	5	6	5.0	2.0	15	0.25	180	200
	MT-A1	12	8	3.5	1.5	15	0.50	350	200
2000	MT-A2	6	8	2.5	2.0	15	0.50	380	200
		6	8	5.0	5.0	15	0.50	390	200
		12	11	5.0	5.0	15	0.50	390	200
3000	MT-A3	6	11	3.5	5.0	15	0.50	420	250
	MT-B3	12	13	3.5	5.0	15	0.50	700	350
4000	MT-B4	8	13	3.25	5.0	15	0.75	700	350
5000	MT-B5	6	13	2.5	5.0	15	0.75	700	350
	MT-C5	12	16	5.0	10.0	15	0.75	850	400
7500	MT-C7.5	8	16	3.5	10.0	15	1.50	1000	400
10000	MT-C10	6	16	2.5	10.0	15	1.50	1000	400
12500	MT-C12.5	6	16	3.5	15.0	15	1.50	1600	400
15000	MT-C15	5	16	2.5	15.0	15	1.50	1600	400

PRODUCT RANGE:

- EOT/HOT CRANES UPTO 150 TONNES/30 METERS SPAN.
- EOT CRANE IN TANDEM OPERATION REMOTE CONTROLLED.
- SPECIAL PURPOSE DRIVE, ELECTRICAL PANELS FOR EOT CRANES & MATERIAL HANDLING EQUIPMENTS.
- GOLIATH & SEMI-GOLIATH CRANES.
- SINGLE GIRDER CRANES UPTO 10 TONNES.
- SPECIAL PURPOSE MATERIAL HANDLING EQUIPMENTS.
- REDUCTION GEARBOXES AND CRANE SPARES.
- REFURBISHING/REHABILITATING MECHANICAL/ELECTRICAL.

IMPORTANT NOTE

Due to constant innovation of design and development the parameters given in this Catalogue may change. Please refer our marketing department for exact details.



MonoTech
ENGINEERS PVT. LTD.

(An ISO 9001:2008 Certified Company)

S-16, South Side, G.T. Road Indl. Area, Ghaziabad-201009 (U.P), India
Tel: 0120 - 4246515 Telefax: 0120-2840799 Fax: 91 -11-66173656 Mob.: +91 -9350040636, 9313429290
Email : info@monotechengineers.com, monotech.engineers@ymail.com
Website : www.monotechengineers.com