

164 SERIES MANUAL TROLLEYS

Two Designs With Capacities From 500kg To 20000kg

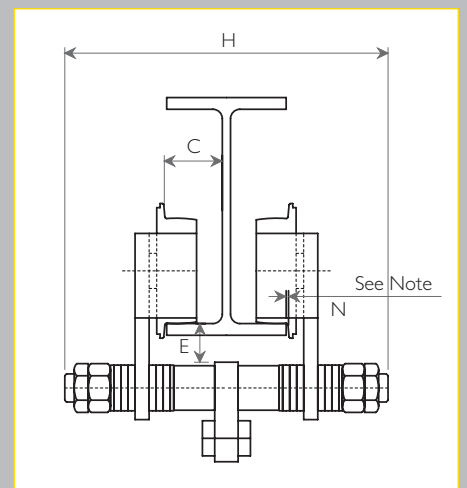
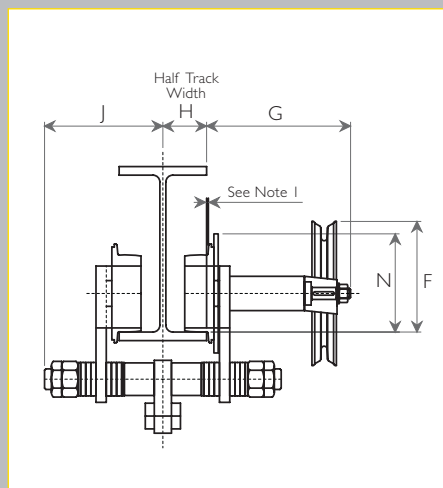
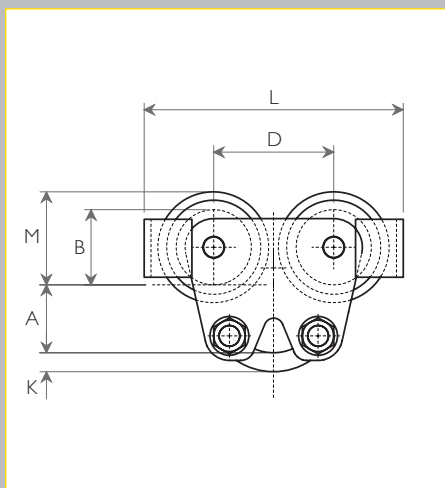
This high quality trolley range is precision engineered in capacities from 500kg to 20000kg.

- The trolley enables exact positioning or easy traversing of large loads and can incorporate either manual or powered hoists
- Available in push or hand geared travel versions, the 164 can be supplied to suit track widths up to 305mm
- Bottom of handchain loop is 460mm from ground level
- Runners are precision machined and rotate on maintenance free sealed ball bearings. The design incorporates drop stops and de-railing guides in compliance with EU directives
- Pusher bar fixing holes and drop stop/wheel retainers provided in all models. Anti-tip stop fitted to all geared trolleys



Options:

- Rubber buffers
- Locking device to secure trolley in position
- Anti-tip guide roller
- Spark Resistant & Marine Specification



16000kg and 20000kg capacity are 8 wheeled trolleys. In this configuration the handchain wheels are normally on opposite sides.

Weight of trolleys exclude handchain. Handchain is 0.45kg/m per linear length up to and including 5000kg capacity and 0.7kg/m per linear length for 8000kg-20000kg capacity inclusive.

Overall width of geared travel trolleys = $J + H + G$. On 500kg to 2000kg units when using the narrower track widths the crossbolt adjusting washers are to be assembled such that the end of the crossbolt is clear of the handchain wheel. On the 3000kg-20000kg units the crossbolt adjusting washers are equally disposed.

Nominal 1.5mm clearance allowed from edge of track to inside of runner flange (3mm overall)

164 Series Travelling Trolley Dimensions

Capacity kg		Push	Geared		1000	1500	2000	3000	4000	5000	8000	10000	16000
Track	Range 1	500	500	1000	1500	2000	3000	4000	5000	8000	10000	10000	& 20000
Widths	Range 2	50-140	58-140	58-140	90-153	90-153	126-166	126-166	126-166	154-192	154-192	154-192	154-192
mm	Range 3	140-210	140-210	140-210	153-216	153-216	166-210	166-210	166-210	192-229	192-229	192-229	192-229
		210-305	210-305	210-305	216-305	216-305	210-305	210-305	210-305	229-305	229-305	229-305	229-305
A seat of susp.plate to runner tread	Range 1&2mm	43	63	63	80	80	123	123	123	164	164	164	220
	Range 3mm	83	103	103	125	125	189	189	189	254	254	254	220
B runner tread diameter	mm	50	65	65	90	90	110	110	110	145	145	145	145
C runner tread width	mm	20	25	25	30	30	36	36	36	48	48	48	48
D runner centres	(push) mm	70	-	90	125	125	176	176	176	236	236	236	926
	(geared) mm	-	90	128	157	157	176	176	176	236	236	236	926
E underside of runner to suspension plate		18	28	28	28	28	41	41	41	51	51	51	51
F underside of runners to top of hand chain wheel, geared travel only	mm	101	106	106	123	123	100	100	100	137	137	137	137
G beam flange to shaft end	mm	-	124	124	124	124	182	182	182	230	230	230	230
H overall width	Range 1mm	210	-	248	276	276	312	312	312	380	380	380	380
push travel only	Range 2mm	320	-	320	340	340	352	352	352	420	420	420	420
	Range 3mm	410	-	410	425	425	450	450	450	495	495	495	495
J crossbolt to track centreline on ungeared side (geared trolley only)	Range 1 track	-	58-100	58-100	100-126	100-126	all	all	all	all	all	all	all
	width J mm	-	132	132	152	152	156	156	156	190	190	190	190
	Range 2 track	-	100-140	100-140	126-153	126-153	-	-	-	-	-	-	-
	width J mm	-	120	120	134	134	-	-	-	-	-	-	-
	Range 3 track	-	140-166	140-166	153-192	153-192	all	all	all	all	all	all	all
	width J mm	-	164	164	184	184	176	176	176	210	210	210	210
	Range 2 track	-	166-210	166-210	192-216	192-216	-	-	-	-	-	-	-
	width J mm	-	152	152	166	166	-	-	-	-	-	-	-
	Range 3 track	-	210-263	210-263	216-263	216-263	all	all	all	all	all	all	all
	width J mm	-	238	238	205	205	225	225	225	248	248	248	248
	Range 2 track	-	263-305	263-305	263-305	263-305	-	-	-	-	-	-	-
	width J mm	-	205	205	213	213	-	-	-	-	-	-	-
K depth of plate	Range 1, 2 & 3mm	21	21	21	34	34	44	44	44	65	65	65	80
L overall length	(push) mm	160	200	200	275	275	375	375	375	530	530	530	1225
	(geared) mm	-	238	238	290	290	375	375	375	530	530	530	1225
M underside of runner flange	(push)mm	60	-	75	105	105	120	120	120	160	160	160	160
N underside of runner to gear tip	(geared)mm	-	90	90	115	115	140	140	140	185	185	185	185
Minimum radius of track curve	(push)	1250	-	1500	1500	1500	1800	1800	1800	3000	3000	3000	-
	(geared)	-	1500	1500	1500	1500	1800	1800	1800	3000	3000	3000	-
Push travel	Range 1	4	-	10	18	18	35	35	35	78	78	78	260
Weight in kg	Range 2	4	-	11	20	20	36	36	36	80	80	80	264
	Range 3	6	-	14	25	25	49	49	49	109	109	109	322
Geared travel*	Range 1	-	11	11	20	20	36	36	36	85	85	85	280
Weight in kg	Range 2	-	12	12	21	21	37	37	37	86	86	86	284
	Range 3	-	16	16	27	27	51	51	51	115	115	115	342