

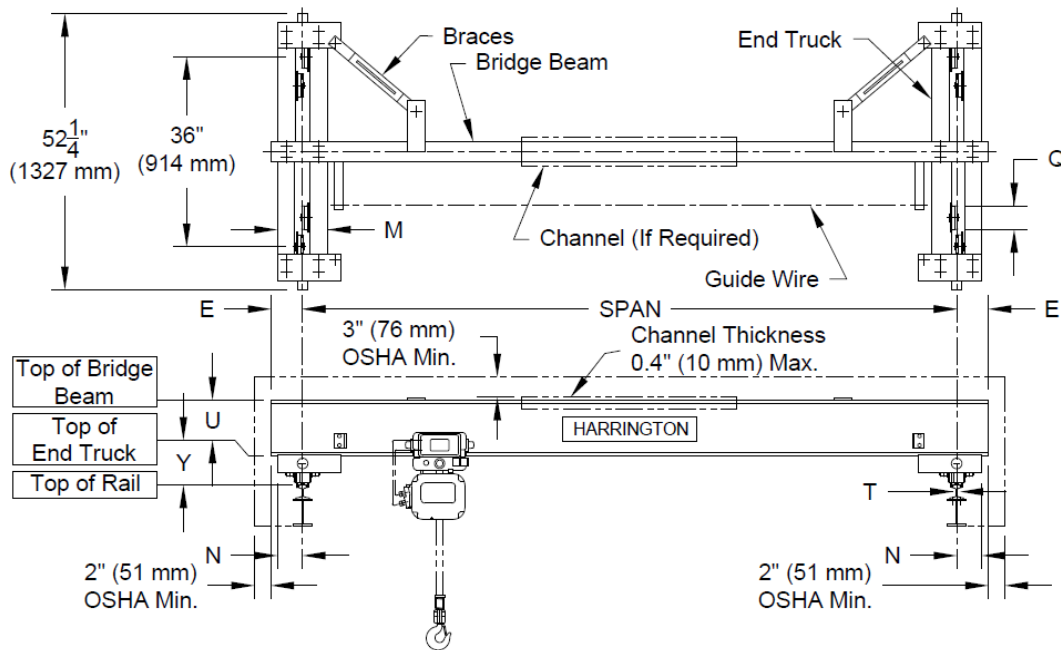
PURPOSE

To provide dimensional information and specifications for the HPC500 Series Crane System.

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TOP RUNNING



Imperial Top Running Specifications & Dimensions

Cap. (Tons)	Max. Span (ft)	Crane Product Code	Q Wheel Tread Dia. (in)	T* Rail Head Width (in)	E** Beam Beyond Span (in)	M†† End Truck Frame Width (in)	N††† Runway Ctr. Line to Outer Edge of ET (in)	U*** Top of End Truck to Top of Beam (in)	Y Top of Rail to Top of End Truck (in)	Weight of End Truck (lbs per pair)	System Max. Wheel Load† (lbs per wheel pair)
1/2	24	CHPC505	3.12	1.5 – 8.5	6	T + 7.25	M/2	Beam Depth****	4.3	173	931
1		CHPC510	4.00			T + 8.25			5.3	221	1547
2		CHPC520	4.88			T + 8.25			5.9	284	2829

Metric Top Running Specifications & Dimensions

Cap. (Tons)	Max. Span (m)	Crane Product Code	Q Wheel Tread Dia. (mm)	T* Rail Head Width (mm)	E** Beam Beyond Span (mm)	M†† End Truck Frame Width (mm)	N††† Runway Ctr. Line to Outer Edge of ET (mm)	U*** Top of End Truck to Top of Beam (mm)	Y Top of Rail to Top of End Truck (mm)	Weight of End Truck (kg per pair)	System Max. Wheel Load† (kg per wheel pair)
1/2	7.3	CHPC505	79	38 – 216	152	T + 185	M/2	Beam Depth****	109	79	422
1		CHPC510	102			T + 210			135	100	702
2		CHPC520	124			T + 210			150	129	1283

* Consult factory for widths or flanges greater than 8.5" (216 mm).

** Minimum E is M/2

*** When using S6 beam, add 3/8" (10 mm) to U.

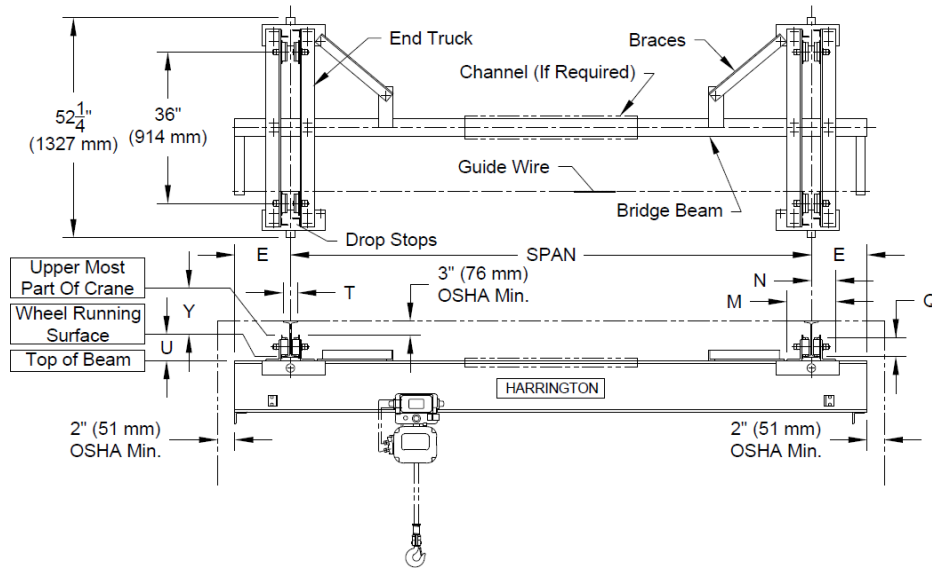
**** See recommended bridge beam chart. The number following the "S" is the beam depth.

† See explanation in Technical Information section of EDOC0096.

†† Formula shown is for S beams & ASCE rail. Add 1/4" (6 mm) for W beams and rectangular bar.

††† Formula for N applies when flange is known at order entry, HPC kit includes un-cut end bracket. See table 1 for details.

UNDERHUNG



Imperial Underhung Specifications

Cap. (Tons)	Max. Span (ft)	Crane Product Code	Q Wheel Tread Dia. (in)	T* Flange Range Std. (in)	E** Beam Beyond Span (in)	M†† End Truck Frame Width (in)	N††† Runway Ctr. Line to Outer Edge of ET (in)	U*** Wheel Running Surface to Top of Beam (in)	Y Wheel Running Surface to Upper Most Part of Crane (in)	Weight of End Truck (lbs per pair)	System Max. Wheel Load† (lbs per wheel pair)
1/2	24	CHPC505	3.12	3 – 8.5	12	T + 7.25	M/2	1.2	3.6	173	938
1		CHPC510	4.00			T + 8.25		1.2	4.4	221	1555
2		CHPC520	4.88	3.3 – 8.5		T + 8.25		1.1	5.3	284	2839

Metric Underhung Specifications

Cap. (Tons)	Max. Span (m)	Crane Product Code	Q Wheel Tread Dia. (mm)	T* Flange Range Std. (mm)	E** Beam Beyond Span (mm)	M†† End Truck Frame Width (mm)	N††† Runway Ctr. Line to Outer Edge of ET (mm)	U*** Wheel Running Surface to Top of Beam (mm)	Y Wheel Running Surface to Upper Most Part of Crane (mm)	Weight of End Truck (kg per pair)	System Max. Wheel Load† (kg per wheel pair)
1/2	7.3	CHPC505	79	76 – 216	305	T + 185	M/2	30	91	79	426
1		CHPC510	102			T + 210		30	112	100	705
2		CHPC520	124	84 – 216		T + 210		28	135	129	1288

* Consult factory for widths or flanges greater than 8.5" (216 mm).

** Minimum E is M/2

*** When using S6 beam, add 3/8" (10 mm) to U.

**** See recommended bridge beam chart. The number following the "S" is the beam depth.

† See explanation in Technical Information section of EDOC0096.

†† Formula shown is for S beams & ASCE rail. Add 1/4" (6 mm) for W beams and rectangular bar.

††† Formula for N applies when flange is known at order entry. HPC kit includes un-cut end bracket. See table 1 for details.

GENERAL USE
EDOC0180

RECOMMENDED BRIDGE BEAMS				
<ol style="list-style-type: none"> Includes 15% Allowance for Electric Hoist Load Factor. Based on Harrington's electric chain hoist product. For spans greater than 10 ft (3.0 m), braces between end truck and bridge beam are recommended. 				
Cap. (Tons)	Maximum Allowable Span: ft (m)			
	10 (3.0)	15 (4.6)	20 (6.1)	24 (7.3)
1/2	S8 X 18.4	S8 X 18.4	S8 X 18.4	S10 X 25.4
1	S8 X 18.4	S8 X 18.4	S10 X 25.4	S10 X 25.4
2	S10 X 25.4	S10 X 25.4	S12 X 31.8	S12 X 31.8

Range	Flange (in)	
	Standard	Extended
	$3 \leq T \leq 6$	$6 < T \leq 8.5$
N	$10 \frac{1}{8} - T/2$	$12 \frac{5}{8} - T/2$

Table 1: Dimension 'N' for un-cut end brackets.