TOP SUPPORTS
Innovative Strength
1419 Michelin,
Laval,Qc H7L-4S2
www.topsupports.com

Electric Reference Table (Imperial)

Material: Pre-Galvanized steel **ASTM-G-90** under control of **ASTM-A653**. Yield stregth is 33 000psi and E is 29 (10_3) Ksi.
Methode of manufacturing: Cold bending using a serie of rolls according to **AISI-S100-16** and **CSA S136-16**.
Material thickness: 18 gauge (0.049in / 1.27mm)

Tableau Suspension au: 5 Feet

Parameters:	Measure	Diam. Nom.	Number of Allowed Conduits for TS150 Channel in Trapeze Formation												
			2	3	4	5	6	7	8	9	10	11	12	13	14
Space Between Suspension :	5.00 Ft	1 "	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Insulation or Protector :	0.00 in	1.25 "	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	NA	NA
Space Between Conduits :	1.75 in	1.50 "	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	NA	-	-
Distance From Threaded Rods :	2.00 in	2 "	OK	OK	OK	OK	OK	OK	OK	NA	NA	NA	-	-	-
		2.50 "	OK	OK	OK	OK	OK	NA	NA	-	-	-	-	-	-
EMT Conduit :		3 "	OK	OK	OK	OK	NA	-	-	-	-	-	-	-	-
		3.50 "	OK	OK	OK	NA	-	-	-	-	-	-	-	-	-
		4 "	OK	OK	NA	-	-	-	-	-	-	-	-	-	-

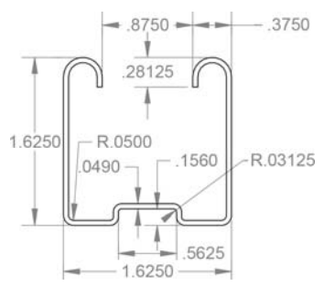
Type of Pipe:	Weight with Wires		Total Weight in Pound (lbs) by Number of Allowed Conduits fo TS150 Channel on its length (in)																					
			2		3		4		5		6		7		8		9		10		11		12		13		14	
	Diam. Nom.	lbs/pi	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In	lbs	In
EMT Conduit	1 "	1.31 lbs	13.10	8.250	19.65	11.250	26.20	14.250	32.75	17.250	39.30	20.250	45.85	23.250	52.40	26.250	58.95	29.250	65.50	32.250	72.05	35.250	78.60	38.250	85.15	41.250	91.70	44.250
	1.25 "	2.13 lbs	21.30	9.000	31.95	12.375	42.60	15.750	53.25	19.125	63.90	22.500	74.55	25.875	85.20	29.250	95.85	32.625	106.50	36.000	117.15	39.375	127.80	42.750	-		-	
	1.50 "	2.70 lbs	27.00	9.250	40.50	12.750	54.00	16.250	67.50	19.750	81.00	23.250	94.50	26.750	108.00	30.250	121.50	33.750	135.00	37.250	148.50	40.750	-		-		-	
	2 "	4.02 lbs	40.20	10.250	60.30	14.250	80.40	18.250	100.50	22.250	120.60	26.250	140.70	30.250	160.80	34.250	-		-		-		-		-		-	
	2.50 "	5.79 lbs	57.90	11.500	86.85	16.125	115.80	20.750	144.75	25.375	173.70	30.000	-		-		-		-		-		-		-		-	
	3 "	8.27 lbs	82.70	12.750	124.05	18.000	165.40	23.250	206.75	28.500	-		-		-		-		-		-		-		-		-	
	3.50 "	10.98 lbs	109.80	13.750	164.70	19.500	219.60	25.250	-		-		-		-		-		-		-		-		-		-	
	4 "	13.64 lbs	136.40	14.750	204.60	21.000	-		-		-		-		-		-		-		-		-		-		-	

Notes :

1. Steel conduit EMT.
2. Conduit weight includes maximum wire weight.
3. Does not consider weight of other components such as, but not limited to, jonction box and fittings. Adding components requires adding additional supports.
4. Insulation or protector was not considered.
5. The Contractor must ensure compliance with applicable codes and standards.
6. Accordance with **MFMA-4 Art. 2.6.2.**

"For static loads, a minimum safety factor of three (3) is recommended. In addition, harmful distortion of a particular component or assembly should not occur at a load less than the maximum design load multiplied by 1.68."

TS150



X-X Axis	Y-Y Axis
c in	c in
0.921	0.813

	lbs./pi.	Aire	X-X Axis			Y-Y Axis		
	Lbs	in2	I in4	S in3	r in	I in4	S in3	r in
TS150	0.954	0.283	0.095	0.103	0.581	0.123	0.152	0.661

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Electric Reference Table (Metric)

Material: Pre-Galvanized steel **ASTM-G-90** under control of **ASTM-A653**. Yield stregth is 33 000psi and E is 29 (10^3) Ksi.
Methode of manufacturing: Cold bending using a serie of rolls according to **AISI-S100-16** and **CSA S136-16**.
Material thickness: 18 gauge (0.049in / 1.27mm)

Table: Suspension at: 1.52M

Parameters:	Measure	Diam. Nom.	Number of Allowed Conduits for TS150 Channel in Trapeze Formation												
			2	3	4	5	6	7	8	9	10	11	12	13	14
Space Between Suspension :	1.52 M	25.40 mm	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Insulation or Protector :	0.00 mm	31.75 mm	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	N/A	N/A
Space Between Conduits :	44.45 mm	38.10 mm	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	N/A	-	-
Distance From Threaded Rods :	50.80 mm	50.80 mm	OK	OK	OK	OK	OK	OK	OK	N/A	N/A	N/A	-	-	-
		63.50 mm	OK	OK	OK	OK	OK	N/A	N/A	-	-	-	-	-	-
EMT Conduit :		76.20 mm	OK	OK	OK	OK	N/A	-	-	-	-	-	-	-	-
		88.90 mm	OK	OK	OK	N/A	-	-	-	-	-	-	-	-	-
		101.60 mm	OK	OK	N/A	-	-	-	-	-	-	-	-	-	-

Type of Conduit:	Weight with Wires		Total Weight in Kilogram (Kg) by Number of Allowed Conduits fo TS150 Channel on its length (mm)																					
			2		3		4		5		6		7		8		9		10		11		12		13		14	
	Diam. Nom.	Kg/M	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm	Kg	mm
EMT Conduit	25.40 mm	1.95 Kg	5.9	209.6	8.9	285.8	11.9	362.0	14.8	438.2	17.8	514.4	20.7	590.6	23.7	666.8	26.7	743.0	29.6	819.2	32.6	895.4	35.6	971.6	38.5	1047.8	41.5	1124.0
	31.75 mm	3.17 Kg	9.6	228.6	14.5	314.3	19.3	400.1	24.1	485.8	28.9	571.5	33.7	657.2	38.5	743.0	43.4	828.7	48.2	914.4	53.0	1000.1	57.8	1085.9	N/A		N/A	
	38.10 mm	4.02 Kg	12.2	235.0	18.3	323.9	24.4	412.8	30.6	501.7	36.7	590.6	42.8	679.5	48.9	768.4	55.0	857.3	61.1	946.2	67.2	1035.1	N/A		-		-	
	50.80 mm	5.99 Kg	18.2	260.4	27.3	362.0	36.4	463.6	45.4	565.2	54.5	666.8	63.6	768.4	72.7	870.0	N/A		N/A		N/A		-		-		-	
	63.50 mm	8.62 Kg	26.2	292.1	39.3	409.6	52.4	527.1	65.5	644.5	78.6	762.0	N/A		N/A		-		-		-		-		-		-	
	76.20 mm	12.32 Kg	37.4	323.9	56.1	457.2	74.8	590.6	93.6	723.9	N/A		-		-		-		-		-		-		-		-	
	88.90 mm	16.35 Kg	49.7	349.3	74.5	495.3	99.3	641.4	N/A		-		-		-		-		-		-		-		-		-	
	101.60 mm	20.32 Kg	61.7	374.7	92.6	533.4	N/A		-		-		-		-		-		-		-		-		-		-	

Notes :

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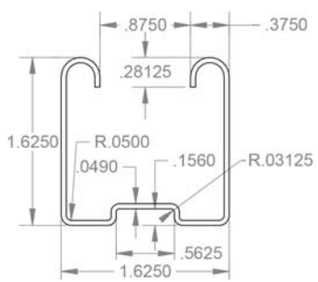
TS150



X-X Axis	Y-Y Axis
c mm	c mm
23.386	20.638

	Kg / M	Aire	X-X Axis			Y-Y Axis		
	Kg	mm2	I mm4	S mm3	r mm	I mm4	S mm3	r mm
TS150	1.4200	182.277	3.965E+04	1695.625	14.750	5.130E+04	2485.993	16.777

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