

STEELPART LIST

Part no	Section (mm)	Quantity	Working Drawing	Length		Weight		Surface to be painted		Total weight (finished) Galvanized kg	Remarks
				single/pc mm	total m	kg / pc	total kg	m ² /pc	total m ²		
T-1	a Angle 50/50/6 L=1590	4	(Dimension in mm) 4 holes $\phi 16^5$mm thickness = 6 mm	1590	6.36	7.15	28.60	0.30	1.20	29.33	* The corners at the end of angles to be ground off (for a length of 140mm) as shown above.
	b Rod $\phi 10$ mm L=2536	2	Rod $\phi 10$ to be bent as shown in welding detail	2536	5.07	1.57	3.14	0.08	0.16	3.24	Part nos T-1 (a,b) to be welded together as shown in welding detail
T-2	Plate 420/360/6	4	15 holes $\phi 16^5$mm thickness = 6 mm	—	—	6.12	24.48	0.27	1.08	25.14	
T-3	Plate 310/65/6	8	4 holes $\phi 16^5$mm thickness = 6 mm	—	—	0.91	7.28	0.04	0.32	7.47	
T-4	Friction grip bolt M 16 x 50 IS 3757 - 8.8	60	Thread M 16	—	—	0.12	7.20	Apply oil only			4 pcs. extra Ref: IS 3757 - 1972
T-5	Friction grip nut M 16 IS 6623-8	60	Thread M 16	—	—	0.047	2.82	Apply oil only			4 pcs. extra Ref: IS 6623 - 1972
T-6	Washer 'A' 17 IS 6649	60	To be marked F. G.	—	—	0.014	0.84	Apply oil only			4 pcs. extra Ref: IS 6649 - 1972
T-7	Angle 65/65/6 L=240	2	4 holes $\phi 16^5$mm thickness = 6 mm	240	0.48	1.38	2.76	0.06	0.12	2.83	
TOTAL (T-1 to T-7)				77.12 kg	2.88 m ²	68.01 kg					

Steel parts to be Galvanized :	66.26 kg	Hot Dip Galvanization : IS 2629 , IS 2633
Steel Parts to be painted :	2.88 m ²	Weight of Zinc Coat : 0.61 kg / m ²

TRANSPORT UNIT

Weight of part T-1 = 16.28 kg

NOTES :

- 1) To obtain uniformity, use of templates and jigs is mandatory for holing bending and welding of assembly.
- 2) All parts or bundles and packages with identical parts have to be labelled or marked with the respective part number by the workshop.
- 3) "Friction grip bolt, nuts and washers" are mentioned in this drawing. However "Galvanized black grade hexagonal bolts and nuts (IS 1363, property class 4.6) and washers (IS 6610)" can be supplied.

Serial number	Item	Total weight (kg)
1	Structural steel	66.26
2	Screws, bolts, nuts, washers	10.86
Total 1 + 2		77.12

TOTAL TRANSPORTATION WEIGHT : 78.87 kg

MoLD / DoLIDAR / Trail Bridge Section Long Span Trail Bridge Standard			
Bridge No:	Name:		
Span:			
Working Drawing :			
Tower Top Element Standard section : 300 x 400 mm Effective height : 170 mm Angle : 65 / 65 / 6 mm <table border="1"> <tr> <td>Units :</td> <td>1 Unit = Steelparts for one Tower</td> </tr> </table>		Units :	1 Unit = Steelparts for one Tower
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Date: August 2004	Drawing No. 120		