

STEELPART LIST

Part no	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	total m	Weight kg/pc total kg	Surface to be painted m ² /pc total m ²	Total weight (finished) Galvanized kg	Remarks	
a	Angle 50/50/6 L= 1460	2		1460	2.92	6.51	13.02	0.292	0.584	13.376
b	Flat 65/6 L= 374	2		374	0.688	1.145	2.290	0.049	0.098	2.350
c	Flat 45/6 L= 60	2		60	0.12	0.127	0.254	0.005	0.01	0.260
d	Flat 65/6 L= 100	2		100	0.20	0.306	0.612	0.013	0.026	0.606
e	Flat 65/6 L= 110	2		110	0.22	0.29	0.58	0.012	0.024	0.595
f	Taper Washer ø 14 IS 5372	18	Taper washer as per IS 5372 - 1975	—	—	0.020	0.360	Galvanized		
g	Rod ø 10 L= 1327			1327	265.4	0.795	1.59	0.040	0.080	1.639
h	Flat 40/10 L= 224	2		224	0.448	0.703	1.407	0.022	0.036	1.429
i	Hexagonal Nut M 12 - IS 1363	8		—	—	0.018	0.144	Galvanized		Parts nos. 1(a-i) to be welded together as shown in welding detail.
2	Flat 40/10 L= 383	2		383	0.766	1.203	2.405	0.031	0.061	2.442
3	Flat 40/6 L= 76	2		76	0.152	0.143	0.286	0.006	0.012	0.293
4	Hexagonal bolt M 12 x IS 1363	2.10		—	—	0.128	0.269	Galvanized		5 % extra pieces Ref. : IS 1363 - 1967
5	Hexagonal bolt M 12 x 90 IS 1363	10.5		—	—	0.088	0.924	Galvanized		5 % extra pieces Ref. : IS 1363 - 1967
6	Hexagonal nut M 12 - IS 1363	27.3		—	—	0.018	0.491	Galvanized		5 % extra pieces Ref. IS 1363 - 1967
7	Chain link wire mesh netting, width = 130 cm mesh size 60x60 G.I wire 10 S W G (ø 3.15)	—		—	—	—	—	Galvanized		Length per meter span = 2.05 m Weight per meter span = 6.929 kg
8	Binding wire 10 SWG (ø 3.15)			—	—	—	—	Galvanized		Weight per meter span = 0.320 kg
TOTAL (1 - 8)						24.632 kg	0.931 m ²	22.99 kg		

Steel parts to be Galvanized :	22.04 kg.	Hot Dip Galvanization : IS 2629, IS 2633
Steel parts to be Painted :	0.93 m ²	Weight of zinc coat : 0.61 kg/m ²

NOTES :

- All nuts have to be retightened after erection.
- All nongalvanized threads have to be painted in site with coaltar after retightening of the nuts
- All steel parts have to be painted with final coat after bridge erection, only if not galvanized.
- To obtain uniformity, use of templates and jigs is mandatory for holing, bending and welding of assembly.
- All parts of bundles and packages with identical parts have to be labelled or marked with the respective parts number by the workshop.
- Assembly details for steel deck see drawing O6.

Serial number	Item	Total weight (kg)
1	Structural steel, standard parts :	20.95
2	Screws, bolts, nuts, washers Standard parts :	1.66
Total 1 + 2		22.61

TOTAL TRANSPORTATION WEIGHT : 25.17 kg

MoLD / DoLIDAR / Trail Bridge Section Long Span Trail Bridge Standard	
Bridge No:	Name:
Span:	
Working & Assembly Drawing :	
Walkway for 12 Main Cables	
Units :	1 Unit = Steel parts for 1.20 m bridge length
Date: August 2004	
Drawing No. 05	