

STEELPART LIST

Part no	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length		Weight		Surface to be painted		Total weight (finished) Galvanized	Remarks
				Single / pc mm	total m	kg / pc	total kg	m ² / pc	total m ²		
1	a Angle 50 / 50 / 6 ℓ = 1460	2		1460	2.92	6.51	13.02	0.292	0.584	13.376	Part nos. 1(a-h) to be welded together as shown in welding detail.
	b Flat 65 / 6 ℓ = 247	2		247	0.494	0.756	1.512	0.032	0.064	1.551	
	c Flat 45 / 6 ℓ = 60	2		60	0.12	0.127	0.254	0.005	0.010	0.260	
	d Flat 100 / 6 ℓ = 100	2		100	0.20	0.470	0.94	0.02	0.04	0.964	
	e Flat 65 / 6 ℓ = 110	2		110	0.22	0.29	0.58	0.012	0.024	0.594	
	f Rod 10 ℓ = 1327	2		1327	2.654	0.795	1.59	0.04	0.08	1.639	
	g Flat 40 / 10 ℓ = 186	2		186	0.372	0.536	1.072	0.019	0.038	1.095	For handrail cable Ø 26 mm
	Flat 40 / 10 ℓ = 201	2		201	0.402	0.579	1.158	0.020	0.040	1.182	For handrail cable Ø 32 mm
	h Hexagonal Nut M12 - IS 1363	8		—	—	0.018	0.144	Galvanized			
2	Rod 12 ℓ = 249	4		233	0.932	0.205	0.82	0.007	0.028	0.837	
3	Flat 40 / 6 ℓ = 96	2		96	0.192	0.17	0.34	0.009	0.018	0.351	
4	Hexagonal bolt M 12 x 70 IS 1363	2.1		—	—	0.073	0.153	Galvanized			5% extra pieces. Ref: IS 1363-1967
5	Hexagonal Nut M 12 IS 1363	8.4		—	—	0.018	0.151	Galvanized			5% extra pieces. Ref: IS 1363-1967.
6	Chain link, Wire-mesh netting width = 130 cm, mesh size 60 x 60, G.I. wire 10 SWG (Ø 3.15)			—	—	—	—	Galvanized			Total weight Length per metre span = 2.05 m Weight per meter span = 6.929 kg
7	G.I. Wire 10 SWG (Ø 3.15)			—	—	—	—	Galvanized			Weight per meter span = 0.320 kg
TOTAL (1-7)				For handrail cable Ø 26 mm : 20.576 kg, 0.886 m ² , 20.667 kg. For handrail cable Ø 32 mm : 20.662 kg, 0.888 m ² , 20.754 kg.							

Steel parts to be Galvanized (For cable Ø 26 mm) : 20.12 kg
Steel parts to be Galvanized (For cable Ø 32 mm) : 20.21 kg
Hot Dip Galvanization : IS 2629, IS 2633
Weight of Zinc Coat : 0.61 kg/m²

NOTES :

- 1) All nuts have to be retightened after erection.
- 2) All nongalvanized threads have to be painted in site with coaltar after retightening of the nuts.
- 3) All steel parts have to be painted final coat after bridge erection, only if not galvanized.
- 4) To obtain uniformity, use of templates and jigs is mandatory for holing, bending and welding of assembly.
- 5) All parts or bundles and packages with identical parts have to be labelled or marked with the respective part number by the workshop.
- 6) Assembly Details for steel deck see drawing No. 06

Serial number	Item	Total weight (kg)
1	Structural steel for H/cable Ø 26mm	20.12
	Ø 32mm	20.21
2	Screws, bolts, nuts, washers	0.44
Total 1 + 2 for H/cable		20.56
		20.56

		(Pieces)
Thimbles for Cable Ø 13 mm		...
Bulldog grips for cable Ø 13 mm		...

TOTAL TRANSPORTATION WEIGHT		
For H/Cable Ø 26 mm :		21.11 kg
For H/Cable Ø 32 mm :		21.20 kg
(Excluding Part No. 6, 7)		

MoLD / DoLIDAR / Trail Bridge Section Long Span Trail Bridge Standard	
Bridge No:	Name:
Span:	
Working & Assembly Drawing	
Walkway for 4 Main Cables	
Handrail cable Ø mm (26/32)	
Units :	
≈ 0.86 x span	
Date: August 2004	Drawing No. 01