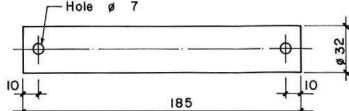
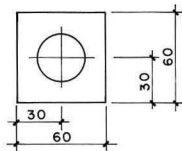
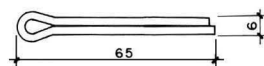
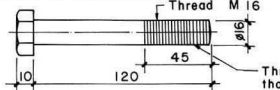


Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc total m	Weight kg/pc total kg	Surface painted m ² /pc total m ²	to be total m ²	Total weight (finished) Galvanized kg	Remarks		
I	Plate 175 / 160 / 40	2	<p>Shape this V-groove 18 deep Shape 10 down</p> <p>4 holes ϕ 17 2 holes ϕ 25 thickness = 40</p>	—	—	6.29	12.56	0.07	0.14	12.65	
2	a Rod ϕ 16 $l = 427$	2	<p>Rod to be bent as shown.</p>	427	0.85	0.67	1.34	0.02	0.04	1.36	
	b Plate 135 / 50 / 16	2	<p>3 holes ϕ 21 thickness = 16</p>	—	—	0.72	1.44	0.02	0.04	1.46	Weight of one -welded unit = 1.51 kg -Galvanized unit = 1.53 kg Part nos. 2 (a-c) to be welded together as shown in welding detail.
	c Open thimble	2	Thimble to ISI standard for cable ϕ 13 mm	—	—	0.12	0.24	Galvanized			
3	Rod ϕ 20 $l = 340$	2	<p>Sliding fit on a pin ϕ 25 Thread M20</p>	340	0.68	0.60	1.20	0.01	0.02	1.21	
4	Rod ϕ 24 $l = 120$	2	<p>2 holes ϕ 7</p>	120	0.24	0.41	0.82	0.01	0.02	0.83	
5	a Rod ϕ 16 $l = 352$	3	<p>Rod to be bent as shown.</p>	352	1.06	0.54	1.62	0.01	0.03	1.64	
	b Plate 232 / 125 / 10	1	<p>6 holes ϕ 17 thickness = 10</p>	—	—	2.17	2.17	0.06	0.06	2.21	Weight of one -welded unit = 3.79 kg -Galvanized unit = 3.85 kg Part nos. 5(a-b) to be welded together as shown in welding detail.

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			
6	Plate 232 / 125 / 10	1	This part is identical to part no. 5b	—	—	2.17	2.17	0.06	0.06	2.21	
7	Rod ϕ 32 l = 185	1		185	0.19	1.15	1.15	0.02	0.02	1.16	
8	Plate 60 / 60 / 6	2		—	—	0.13	0.26	0.01	0.02	0.27	
9	Split pin ϕ 6 l = 65	7		—	—	0.014	0.10	Bright steel		1 pc. extra.	
10	Hexagonal bolt M 16 x 120 IS 1363	4		—	—	0.22	0.88	Galvanized		Ref: IS 1363-1967.	
11	Hexagonal nut M 16 IS 1363	21	Hexagonal nut to ISI standard	—	—	0.032	0.67	Galvanized		1 pc. extra. Ref: IS 1363-1967.	
12	Hexagonal nut M 20 IS 1363	4	Hexagonal nut to ISI standard	—	—	0.061	0.24	Galvanized		Ref: IS 1363-1967.	
13	Open thimble	2	Thimble to ISI standard for cable ϕ 13 mm	—	—	0.12	0.24	Galvanized		Ref: IS 2315-1978.	
14	Bulldog grip	12	M.S. forged bulldog grip to ISI standard for cable ϕ 13 mm	—	—	0.28	3.36	Galvanized		Ref: IS 2361-1970.	
TOTAL (1 - 14) =						30.46 kg	0.45 m ²	25.00 kg			

Steel parts to be Galvanized :	24.73 kg.	Hot Dip Galvanization : IS 2629, IS 2633
Steel Parts to be painted :	0.45 m ²	Weight of Zinc Coat : 0.61 kg / m ²

Serial number	Item	Total weight (kg)
1	Structural steel	24.83
2	Screws, bolts, nuts, washers	1.79
Total 1+2		26.62

	(Pieces)
Thimbles for Cable ϕ 13 mm	2
Bulldog grips for cable ϕ 13 mm	12

TOTAL TRANSPORTATION WEIGHT : 30.73 kg

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 with 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.

MoLD / DoLIDAR / Trail Bridge Section
Long Span Trail Bridge Standard

Bridge No: _____ Name: _____

Span: _____

Working & Assembly Drawing :

Diagonal Stabilizer

For 8 Main cables

Units : 1 Unit = Steel parts for one main cable clamp and one spanning cable clamp.

Date: August 2004

Drawing No. 21