

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			
1	a Flat 80 / 8 ℓ = 500	4		500	2.00	2.45	9.80	0.08	0.32	10.00	Gas cutting prohibited for part no. 1b. Weight of one welded unit = 46.46kg Galvanized unit = 47.01 kg Part nos. 1 (a-f) to be welded together as shown in welding detail.
	b Flat 160 / 10 ℓ = 1100	8		1100	8.80	13.34	106.72	0.36	2.88	108.48	
	c IS Square bar 80 ℓ = 150	4		150	0.60	4.90	19.60	0.04	0.16	19.70	
	d Rod 10 ℓ = 110	8		110	0.88	0.07	0.56	—	—	0.58	
	e Rod 45 ℓ = 1000	4		1000	4.00	11.52	46.08	0.05	0.20	46.20	
	f Hexagonal nut M 45	4		—	—	0.77	3.08	Galvanized	—	—	
2	Flat 40/6 ℓ = 460	4		460	1.84	0.84	3.36	—	—	—	
3	a Channel ISMC 200-500	4		500	2.00	10.71	42.84	0.25	1.00	43.45	Weight of one welded unit = 45.68kg Galvanized unit = 46.31 kg Part nos. 3 (a-e) to be welded together as shown in welding detail.
	b Plate 183/60/10	8		—	—	0.79	6.32	0.03	0.24	6.47	
	c Plate 480/180/8	4		—	—	5.03	20.12	0.08	0.32	20.32	
	d Plate 200/66/10	8		—	—	1.04	8.32	0.03	0.24	8.47	
	e Plate 220/100/12	8		—	—	1.72	13.76	0.03	0.24	13.91	
4	Pin 90 ℓ = 180	2		180	0.36	8.88	17.76	Apply grease only	—	17.82	
5	Split pin 8 ℓ = 150	4		—	—	0.06	0.24	Bright steel	—	—	
6	a Channel ISMC 125-1000	8		1000	8.00	12.61	100.88	—	—	—	Weight of one welded unit = 13.25kg
	b Plate 120/120/6	8		—	—	0.64	5.12	—	—	—	Part nos. 6 (a-b) to be welded together as shown in welding detail.
7	Flat 40/6 ℓ = 1160	4		1160	4.64	2.17	8.68	—	—	—	
8	Angle 50/50/6 ℓ = 780	4		780	3.12	3.40	13.60	—	—	—	

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.

Serial number	Item	Total weight (kg)
1	Structural Steel	
	Part nos. 1-20 :	659.21
	Part nos. 22,27,28 :	...
2	Screw, bolts, nuts & washers	
	Part nos. 1f,14-19 :	34.28
	Part nos. 23-26 :	...
3	Reinforcement	
	Part nos. 21	...
Total 1 + 2 + 3		...

	(Pieces)
Thimbles for Cable Ø 36,(40)	1(1)
Bulldog grips for cable Ø 36,(40)	7(8)

TOTAL TRANSPORTATION WEIGHT	
Part nos. 1-20 :	697.14
Part nos. 21-30 :	...
Total :	...

MoLD / DoLIDAR / Trail Bridge Section	
Long Span Trail Bridge Standard	
Bridge No:	Name:
Span:	
Working & Assembly Drawing :	
Windguy Cable Anchorage	
Capacity : 610 kN	
2 Cables Ø	mm (36/40 mm)
Units :	1 Unit ≡ Steelparts for one block
Date: August 2004	Drawing No. 45