

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					kg / pc	total kg
1	a	Angle 40/40/5 970	2		2.87	5.74 <sup>B</sup>
	b	Flat 100/6 -106	2		0.46	0.92 <sup>B</sup>
	c	Flat 100/6 -85	2		0.38	0.76 <sup>B</sup>
	d	Flat 100/6 -85	1		0.38	0.38 <sup>B</sup>
	e	Hex Nut M 12 IS 1363	8		0.015	0.12 <sup>C</sup>
	f	Plain Rod f 8 -1430	2		0.56	1.12 <sup>B</sup>
2		Rod (J - Hook) f 12 - 209	2.1		0.19	0.40 <sup>B</sup>
3		Hex Nut M 12 IS 1363	2.1		0.015	0.04 <sup>C</sup>
4		Plain Washer f 13	10.5		0.005	0.06 <sup>C</sup>
5		Hex Bolt M 12x70 IS 1363	8.4		0.08	0.67 <sup>C</sup>
A = 10.49 kg Transportation Weight B + C + 0.28 kg				B = 9.32 kg Total Structural Steel = Steel to be galvanized		C = 0.89 kg Nuts, Bolts, Washers

All steel parts must be **hot dip galvanized** according to IS 2629 & 2633, min thickness = 80 μm

### Assembly Details

### Welding Detail of Part No. 1

For obtaining uniformity, the use of templates and jigs is mandatory

### Section B

threads to be cleaned after hot dip galvanization

All structural steel must comply with:  
 IS 226 - 1975 for structural steel  
 IS 800 - 1984 for general construction in steel

**For Delivery:**  
 - The suspenders shall be folded together with the crossbeam and to be bound with a binding wire  
 - Fit one hex nut and one washer to each J - hook.  
 - All sharp corners are to be grinded off

*\*Required Nos of Crossbeams per bridge:*  
**= Span in [m]**

HMG / Ministry of Local Development  
 DoLIDAR / Short Span Trail Bridge Standard

Bridge Name: \_\_\_\_\_

No: \_\_\_\_\_ Span: \_\_\_\_\_

Steel Drawing: \_\_\_\_\_

**Crossbeam for Suspended Bridge  
 for 2 Walkway Cables  
 for walkway width = 70 cm**

\*Nos of Crossbeam required: \_\_\_\_\_

Date \_\_\_\_\_ Drawn by \_\_\_\_\_