

Part No.	Section [mm]	Quantity [nos]	Working Drawing	Weight	
				kg / pc	total kg
1	a	2		4.21	8.42 <sup>B</sup>
	b	2		0.69	1.38 <sup>B</sup>
	c	2		0.50	1.00 <sup>B</sup>
	d	2		0.37	0.74 <sup>B</sup>
	e	12		0.015	0.18 <sup>C</sup>
	f	2		0.56	1.12 <sup>B</sup>
2	Rod (J - Hook) f 12 - 209	4.2		0.19	0.80 <sup>B</sup>
3	Hex Nut M 12 IS 1363	4.2		0.015	0.07 <sup>C</sup>
4	Plain Washer f 13	16.8		0.005	0.09 <sup>C</sup>
5	Hex Bolt M 12x70 IS 1363	12.6		0.08	1.01 <sup>C</sup>
A = 15.16 kg Transportation Weight B + C + 0.35 kg			B = 13.46 kg Total Structural Steel = Steel to be galvanized	C = 1.35 kg Nuts, Bolts, Washers	

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

### Assembly Details

### Welding Detail of Part No. 1

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

rod to be inserted before welding

nuts to be welded centered to holes

welding this side

obtain alignment of holes

threads to be cleaned after hot dip galvanization

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

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

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

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

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

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

**Crossbeam for Suspended Bridge for 4 Walkway Cables**  
for walkway width = 106 cm

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

Date : Nov. 05, 2001 Drawing No. 03D4