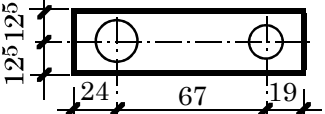
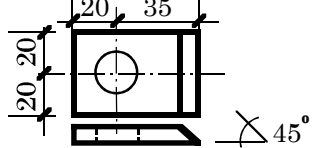
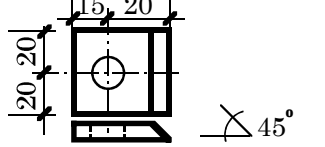
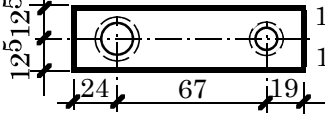
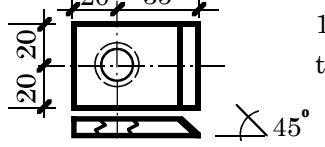
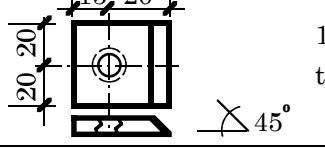
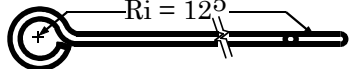
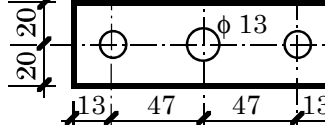
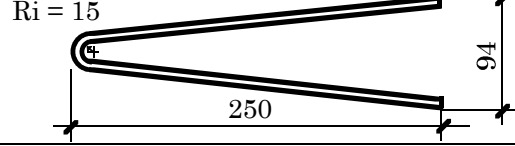
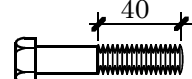
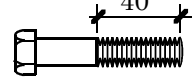
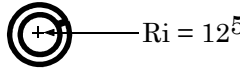
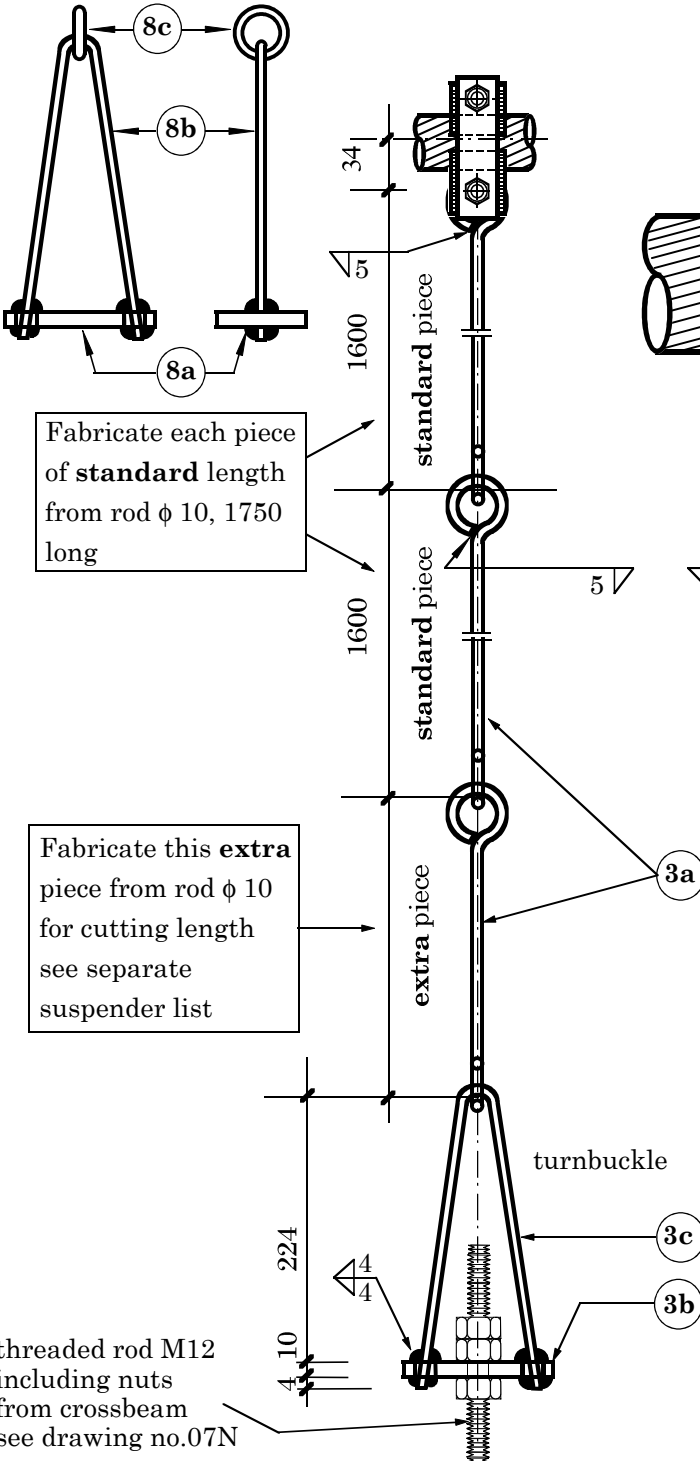


Part No.	Section [mm]	Quantity [nos]	Working Drawing	Weight	
				kg / pc	total kg
1	a Flat 25/5 - 110	1	 1 hole φ 18 1 hole φ 14	0.09	0.09
	b Flat 40/5 - 55	1	 1 hole φ 18	0.07	0.07
	c Flat 40/10 - 35	1	 1 hole φ 14	0.10	0.10
2	a Flat 25/5 - 110	1	 1 hole φ 13.5 thread M16 1 hole φ 10 thread M12	0.09	0.09
	b Flat 40/5 - 55	1	 1 hole φ 13.5 thread M16	0.07	0.07
	c Flat 40/10 - 35	1	 1 hole φ 10 thread M12	0.10	0.10
3	a Rod f 10 of different length, see suspender list		 Ri = 125	-----	-----
	b Flat 40/10 - 120	1	 2 holes φ 11 1 hole φ 13	0.35	0.35
	c Rod f 10 - 512	1	 Ri = 15	0.32	0.32
4	Hex bolt M16 - 60	1		0.13	0.13 ^C
5	Hex nut M16	1		0.03	0.03 ^C
6	Hex bolt M12 - 60	1		0.07	0.07 ^C
7	Hex nut M12	1		0.02	0.02 ^C
IS 1363, galvanized acc. to: IS 1367, Part XIII					
2 sets only for first crossbeam on both sides of the bridge, which has no suspender					
8	a Flat 40/10-120	4	same as part no 3b	0.35	1.40
	b Rod f 10- 518	4	same as part no 3c	0.32	1.28
	c Rod f 10- 110	4	 Ri = 125	0.07	0.28

Part No. 8

for first crossbeam at the pylon foundation

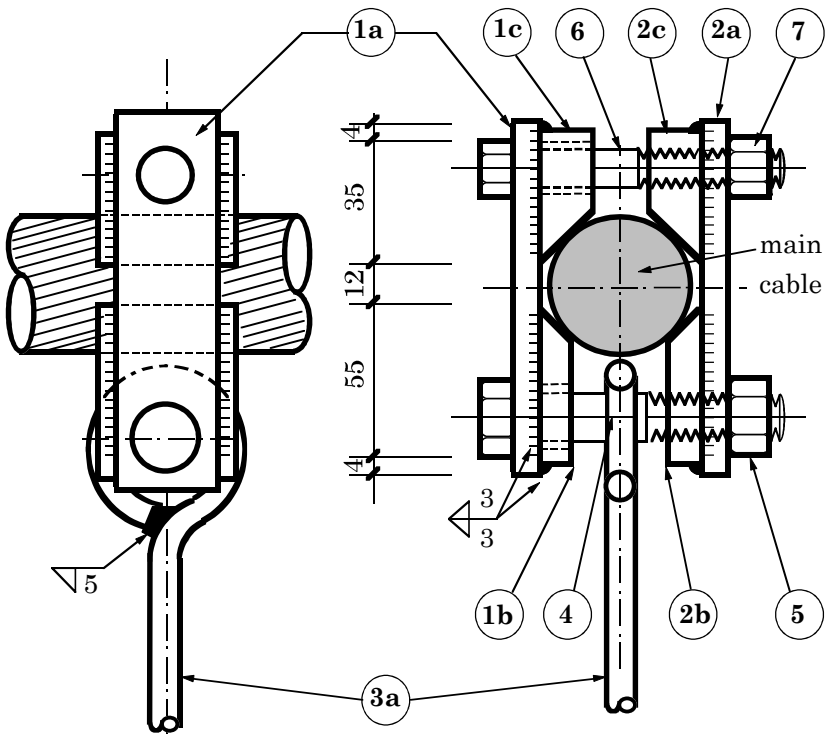


Fabricate each piece of **standard** length from rod φ 10, 1750 long

Fabricate this **extra** piece from rod φ 10 for cutting length see separate suspender list

threaded rod M12 including nuts from crossbeam see drawing no.07N

Fabrication & Assembly Details



Note :
Spacing of suspenders = 100 cm
Fix turnbuckle directly to cable clamp where no standard piece and extra piece is provided

Specifications :
All structural steel must comply with:
IS 226 - 1975 for structural steel
IS 800 - 1984 for general construction in steel
All steel parts must be **hot dip galvanized** acc. to: IS 2629 & 2633, min. thickness = 80 μ m

For Delivery :
The suspenders, part no. 3, shall be folded together and to be bound with a binding wire

All finished suspenders shall be labeled acc. to the numbers of the suspenders list.

Calculation of steel weights		
Total number of suspenders (from separate suspender list)	N =	
Total weight of suspender rods: (from separate suspender list)		
Structural raw weight = (N x 1.19) + 2.96		
Steel: g = galvanized weight = (N x 1.23) + 3.04		
Nuts & Bolts: = N x 0.25		
GRAND TOTAL WEIGHT		

HMG / Ministry of Local Development DoLIDAR / Short Span Trail Bridge Standard	
Bridge Name:	
No:	Span:
Steel Drawing:	
Suspenders for Suspension Bridges for 2 Main Cables f 26 or 32 mm	
Date : September 30, 2002	Drawing No.31N