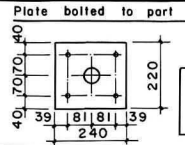
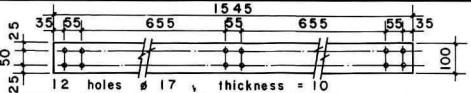


Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	total m	Weight kg/pc	total kg	Surface to be painted m ² /pc	total m ²	Total weight (finished) Galvanized kg	Remarks
a	Flat 80 / 8 l = 500	16		500	8.00	2.46	39.36	0.08	1.28	40.14	
b	Flat 160 / 10 l = 1100	32		1100	35.20	13.34	426.88	0.36	11.52	433.91	Gas cutting prohibited for part no. 1b
c	IS Square bar 80 l = 150	16		150	2.40	4.90	78.40	0.04	0.64	78.79	
d	Rod 10 l = 110	32		110	3.52	0.07	2.24	—	—	2.31	Weight of one welded unit=46.47kg Galvanized unit=47.04kg
e	Rod 45 l = 1000	16		1000	16.00	11.52	184.32	0.05	0.80	185.24	
f	Hexagonal nut M 45	16		—	—	0.77	12.32	Galvanized	—	—	Part nos. 1 (a-f) to be welded together as shown in welding detail.
2	Flat 40 / 6 l = 460	16		460	7.36	0.84	13.44	—	—	—	
a	Channel ISMC 200-500	16		500	8.00	10.71	171.36	0.25	4.00	173.80	
b	Plate 183/60/10	32		—	—	0.79	25.28	0.03	0.96	25.87	
c	Plate 480/180/8	16		—	—	5.03	80.48	0.08	1.28	81.26	Weight of one welded unit=45.68kg Galvanized unit=46.30kg
d	Plate 200/66/10	32		—	—	1.04	33.28	0.03	0.96	33.87	
e	Plate 220/100/12	32		—	—	1.72	55.04	0.03	0.96	55.62	Part nos. 3 (a-e) to be welded together as shown in welding detail.
4	Pin 90 l = 180	8		180	1.44	8.88	71.04	Apply grease only	—	71.35	
5	Split pin 8 l = 150	16		—	—	0.06	0.96	Bright steel	—	—	
a	Channel ISMC 125-1000	32		1000	32.00	12.61	403.52	—	—	—	Weight of one welded unit=13.25 kg
b	Plate 120/120/6	32		—	—	0.64	20.48	—	—	—	Part nos. 6 (a-b) to be welded together as shown in welding detail.
7	Flat 40 / 6 l = 1160	16		1160	18.56	2.17	34.72	—	—	—	
8	Angle 50/50/6 l = 630	16		630	10.08	2.79	44.64	—	—	—	

Steel parts to be Galvanized :	1188.08 kg	Hot Dip Galvanization : IS 2629, IS 2633
Steel parts to be painted :	22.44 m ²	Weight of Zinc Coat : 0.61 kg/m ²

Cable # mm	Bulldog grips for one cable	Weight (kg/pc)
36	7	2.75 1.85
40	8	3.20 2.40

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
9	Flat 100/10 l = 1900	64		1900	121.60	14.77	945.28	—	—
10	Angle 50/50/6 l = 800	2		800	1.60	3.56	7.12	—	—
11	Angle 50/50/6 l = 3230	2		3230	6.46	14.02	28.04	—	—
12	Angle 50/50/6 l = 3020	2		3020	6.04	13.14	26.28	—	—
13	Hexagonal nut M 45	50	This part is identical to part no. 1f	—	—	0.77	38.50	—	—
14	Hexagonal bolt M 12 x 40 IS 1363	245		—	—	0.049	12.01	Galvanized	9 pcs. extra. Ref: IS 1363-1967
15	Hexagonal bolt M 16 x 60 IS 1363	400		—	—	0.12	48.00	Galvanized	16 pcs. extra. Ref: IS 1363-1967
16	Hexagonal nut M 12 IS 1363	245		—	—	0.018	4.41	Galvanized	9 pcs. extra. Ref: IS 1363-1967
17	Hexagonal nut M 16 IS 1363	400		—	—	0.032	12.80	Galvanized	16 pcs. extra. Ref: IS 1363-1967
18	Plain washer 17 thickness = 4	400		—	—	0.015	6.00	Galvanized	16 pcs. extra.
19	Rod 25 l = 2650	2		2650	5.30	10.20	20.40	0.04 (Partly painted)	0.08
TOTAL (1-19) =				2'846.60 kg		22.44 m ²		1202.82 kg	Used for fixing. Tirfor Machine during erection.

ONLY WHEN REQUIRED	20	Rod ϕ 25 	Extra length for hook = 250 Weight = 3.85kg/m'					—	—	—	Ribbed torsteel Cold bending required.
	21	Plate 240/220/16 	Plate bolted to part 3a when cable end is socketed 1 hole ϕ 43, 4 holes ϕ 17 When this plate is used for socketed cable end, part no. 4 and 5 are not necessary.	—	—	6.34		0.12			Weight (finished)/Galvanized = (0.61/m ² x Surface area + Wt. of steel) kg
	22	Hexagonal bolt M 16 x 60 IS 1363	Identical to part no. 15	—	—	0.12		Galvanized			Ref: IS 1363-1967
	23	Plain washer ϕ17 thickness = 4	Identical to part no. 18	—	—	0.015		Galvanized			
	24	Hexagonal nut M 16 IS 1363	Identical to part no. 17	—	—	0.032		Galvanized			Ref: IS 1363-1967
	25	Taper washer ϕ18 IS 5372	Taper washer nominal hole size ϕ 18 as per ISI	—	—	0.035		Galvanized			Ref: IS 5372-1975
	26	Flat 100/10 l = 1545 	12 holes ϕ 17, thickness = 10	1545		11.91		—	—		Use for extending the length of part no. 9. (Deadman anchorage)
27	Mortar container Sheet t = 0.5 	Total about 250 holes ϕ 4	1400		0.21		—	—		Two units per anchor bar (20)	
TOTAL (20-27) =						kg	m ²		kg		

28	Open thimble	8	Thimble to ISI standard for cable ϕ mm	—	—	*	Galvanized		Ref: IS 2315 — 1978
29	Bulldog grip	*	M.S. forged bulldog grip to ISI standard for cable ϕ mm	—	—	*	Galvanized		Ref: IS 2361 — 1970
GRAND TOTAL =							kg		