

List of products for overhead lines structures

Guy wires, traction masts, outrigger arm across two tracks		
#	Product name	Characteristics
1	Guy anchor rods	35 kN, with and without isolation, galvanized
2	Guy anchor rods (shortened)	35 kN, with and without isolation, galvanized
3	Guy anchor rods	22 kN, with and without isolation, galvanized
4	Guy anchor rod	22 kN, with and without isolation, galvanized
5	Guy anchor rod	35 kN, with and without isolation, galvanized
6	Guy anchor rod segment	For mining terrains, galvanized
7	Traction masts	Triangular grate 9,0m. for intertrack min. 4,8m.
8	Traction masts	Triangular grate 9,4m. for intertrack min. 4,8m.
9	Traction masts	Triangular grate 10,3m. for intertrack min. 4,8m.
10	Traction masts	Triangular grate 11,7m. for intertrack min. 4,8m.
11	Traction masts	Triangular grate 9,4m. for intertrack min. 4,7m
12	Traction masts	Triangular grate 9,8m. for intertrack min. 4,8m
13	Traction masts	Triangular grate 9,8m. for intertrack min. 4,7m
14	Traction masts	Triangular grate 8,2m. fixed on foundation bolts
15	Traction masts	Triangular grate 9,8m. made of round rod, galvanized
16	Intersegment connections of c-type beam masts	
17	Traction masts	Double T-beam, 8,2m. galvanized
18	Traction masts	Triangular grate 9,4m. for mining terrains, galvanized
19	Traction masts	Triangular grate 11,8m. for mining terrains, galvanized
20	Individual mast segments	1,8m., for mining terrains, galvanized
21	Intersegment connections of square truss masts	10,5m. for extension arm across two tracks, galvanized
22	Extension arm across two tracks	Galvanized
23	Intersegment connections of square truss masts	Square truss, galvanized
24	Square truss masts	11,7m., for mining terrains, galvanized
25	Segments of square truss masts	1,66m., for mining terrains, galvanized

Portals		
#	Product name	Characteristics
1	Segments of griders (horizontal part of portal frame)	11,0m., middle, galvanized
2	Segments of griders	11,7m., side, galvanized
3	Segments of griders	10,8m., side, galvanized
4	Segments of griders	9,9m., side, galvanized
5	Segments of griders	7,6m., side, galvanized
6	Segments of griders	7,1m., side, galvanized
7	Segments of griders	6,2m., side, galvanized
8	Segments of griders	5,3m., side, galvanized
9	Segments of griders	4,8m., side, galvanized
10	Segments of griders	3,9m., side, galvanized
11	Middle/side posts of portal frame	10,7m., grider clearance: 7,75/7,35m., galvanized
12	Middle/side posts of portal frame	11,5m., grider clearance: 8,55/8,15m., galvanized
13	Middle/side posts of portal frame	8,7m., grider clearance: 5,75/5,35m., galvanized
14	Middle/side posts of portal frame	11,9m., grider clearance: 7,95/7,55m., galvanized
15	Side posts of portal frame	10,5m., grider clearance: 7,75/7,35m., galvanized
16	Side posts of portal frame	11,3m., grider clearance: 8,55/8,15m., galvanized
17	Side posts of portal frame	8,5m., grider clearance: 5,75/5,35m., galvanized
18	Side posts of portal frame	11,7m., grider clearance: 7,95/7,55m., galvanized
19	Fittings for portal grider	Galvanized
20	Segments connections of portal grider	Galvanized
21	Side posts of portal frame	11,7m., for mining terrains, clearance 7,35/7,75/8,18/8,58m., galvanized
22	Side posts of portal frame	9,3m., for mining terrains, clearance 4,95/5,35/5,78/6,18m., galvanized
23	Segments of portal post	1,66m., for mining terrains, galvanized
24	Fittings for portal grider	Oscillatory-sliding, galvanized

Finished goods		
#	Product name	Characteristics
1	Traction insulators for bucket arm (t-beam type)	Porcelain
2	Traction insulators for stay tube	Porcelain
3	Traction insulators	Suspension, porcelain LP60/2
4	Traction insulators	Suspension, porcelain
5	Traction insulators for bucket arm (tube type)	Porcelain
6	Traction insulators	Tensioning, made of organic resins
7	Line insulators	LWP 8-24, porcelain
8	Lightning arrester	Angle type
9	Spark gap	Low voltage
10	Short-circuiting device TZD-1N/1T	
11	Short-circuiting device TZD-1R/1T	
12	Short-circuiting device TZD-2NR	
13	PMT Choke	
14	Disconnecter	
15	Disconnecter	
16	Hand drive box for disconnecter	
17	Disconnecter drive	Motor drive, Type ONS-1
18	Section insulators	
19	Section insulators IS-03	
20	Traction insulators for bucket arm (tube type)	Made of organic material
21	Traction insulators for bucket arm (t-beam type)	Made of organic material
22	Traction insulators for stay tube	Made of organic material
23	Traction insulators	Suspension, Made of organic material