

Submersible Towed Cable Burial Systems

Tyco Telecommunications (US) Inc.

SMD Hydrovision



TYCO MD3 & TYCO MD3DF Plows



TYCO Arado Plow



TYCO Sea Plow VII



TYCO Sea Stallion 1, 2 & 3 Plows

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TYCO Sea Stallion Shore End Plow

Submersible Towed Cable Burial Systems

Comparative Technical Specifications

	Tyco SS1	Tyco SS2	Tyco SS3	Tyco md3	Tyco md3df	Tyco SP VII	Tyco Arado	Tyco SS SEP
Manufacturer	EB	EB	EB	SMD	SMD	SMD	SMD	EB
Max Burial Depth ¹	3 m	3 m	3 m	3 m	3 m	1.5 m	1.5 m	2.0 m
<i>Operational Constraints</i>								
Rated Max Water Depth	1500m	1500m	2000m	1500m	1500m	1500m	1500m	1000m
Tow Tension at Plow ²	100 tons	100 tons	100 tons	80 tons	80 tons	40 tons	40 tons	50 tons
Min Soil Strength	5 kPa	5 kPa	5 kPa	5 kPa	5 kPa	5 kPa	5 kPa	5 kPa
Max Side Slope (Roll)	30°	30°	30°	30°	30°	20°	20°	30°
Max Slope (For/Aft)	30°	30°	30°	30°	30°	30°	30°	30°
<i>Dimensions</i>								
Length (Max)	13.8 m	13.8 m	13.8 m	9.3 m	9.3 m	8.3 m	9.9 m	8.0 m
Width (Max)	5.4 m	5.4 m	5.4 m	5.0 m	5.0 m	4.0 m	4.4 m	4.2 m
Height (Max)	5.3 m	5.3 m	5.3 m	4.4 m	4.4 m	4.2 m	4.5 m	4.0 m
Weight (Dry)	32 tons	32 tons	32 tons	25 ton	25 ton	14.5 tons	14.5 tons	12 tons
<i>Cable Limitations</i>								
Min Lay Cable Bend Radius	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m
Cable Diameter	15 - 150 mm	15 - 150 mm	15 - 150 mm	17 - 150 mm	17 - 150 mm	15 - 150 mm	17 - 150 mm	to 200 mm
Repeater Max Diameter	350 mm	350 mm	350 mm	380 mm	380 mm	380 mm	380 mm	180 mm
Splice Box (In Share)	266 mm	266 mm	266 mm	150 mm	150 mm	150 mm	150 mm	180 mm
<i>Surveillance Equipment</i>								
Camera	4	4	4	3	3	3	3	2
Lights	10	10	10	5	5	4	4	4
Sonar	Mesotech	Mesotech	Mesotech	Mesotech	Mesotech	Mesotech	Mesotech	Mesotech
Pan & Tilt	2	2	2	2	2	2	2	1

Notes:

1. Maximum burial depth dependant of seafloor geology. System design considers plow sinkage and share angle.
2. Host vessel's tow winch capacity, bollard pull & operational environment may dictate maximum pulling force

Data provided for comparison purposes only. Complete system specifications available upon request.