

► TWF Trench Shoring Systems

■ Light Box Type 300

- For medium trench shoring with light construction machinery
- Installation by lower and cut method in unstable soils
- Mobile- or crawler excavator: 12 - 18 t | with top element 18 - 30 t
- Maximum trench depth: 3,80 m
- Working width: 0,98 - 4,77 m
- Trench width: 1,10 - 4,89 m
- Pipe clearance height: 1,28 m



1	Base element
2	Top element

PH	Panel height
TW	Trench width
WW	Working width
PT	Panel thickness
PCH	Pipe clearance height
PL	Panel length
PCL	Pipe clearance length

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Element	Panel length PL (m)	Panel height PH (m)	Panel thickness PT (mm)	PC-length PCL (m)	PC-height PCH (m)	Char. system resistance R_k (kN/m ²) *	Weight c/w spindle (kg/box)
1	2,00	2,00 2,40	60	1,60	1,14 1,28	68,1 / 49,3	1131 1273
2		1,40					744
1	2,50	2,00 2,40	60	2,10	1,14 1,28	55,4 / 39,4	1281 1449
2		1,40					856
1	3,00	2,00 2,40	60	2,60	1,14 1,28	45,4 / 32,9	1435 1627
2		1,40					952
1	3,50	2,00 2,40	60	3,10	1,14 1,28	34,3 / 28,2	1585 1803
2		1,40					1058

* The Char. System resistance is based on the indicated PC-height.

■ Standard Spindle

Number intermediate pipe	Working width WW (m)	Trench width TW (m)	Char. compressive axial force F_k (kN)	Weight complete (kg)
0	0,98 - 1,27	1,10 - 1,39	943	65
1	1,48 - 1,77	1,60 - 1,89	673	86
2	1,98 - 2,27	2,10 - 2,39	517	107
3	2,48 - 2,77	2,60 - 2,89	269	128
4	2,98 - 3,27	3,10 - 3,39	202	149
5	3,48 - 3,77	3,60 - 3,89	165	170
6	3,98 - 4,27	4,10 - 4,39	121	191
7	4,48 - 4,77	4,60 - 4,89	99	212

