

Sounding Tubes, Casing, Inner Rods & Adapters



Efficient, reliable and safe CPT soundings require not only most accurate probes and acquisition systems but also high quality tubes, friction reducers and further accessories. In order to achieve the best possible performance of CPT soundings Geomil Equipment manufacturers and supplies a large variety of high quality sounding tubes, inner rods, friction reducers and adapters. By applying original equipment manufactured by Geomil the risk of loosing valuable equipment is strongly reduced.



The Geomil sounding tubes have a standardised OD of 36 mm with an ID of 16 mm, the casing protection tubes come with OD 55 mm and ID 38 mm.

On request, Geomil is also able to supply OD 44 mm sounding tubes as well as tubes with various length and diameters made of special material like stainless steel or non-magnetic steel alloys.



The steel quality is carefully chosen to provide clients with the highest possible quality and tightest possible tolerances. Every single tube is gauged five times during production. This guarantees a constant quality and conformity with the most stringent standards regarding dimensions, straightness and thread tolerances (e.g. the NEN-5140).

The tubes can be supplied with standard or heavy tapered threads (7 turns to lock or open) or the dual rope Speedlock thread (see picture below).

In August 2000 Geomil Equipment successfully introduced the new Speedlock thread for sounding tubes. Only 2½ turns are required to screw or unscrew the tubes. Furthermore the thread is by its design far less susceptible to dirt.

At recent tests it has been determined, that the Speedlock thread is approx. 20% stronger than conventional screw threads. It speaks for itself, that this reduces the chance of failure at heavy loads significantly.

For all thread types as well as for inner rods (mechanical CPT) and casing tubes, Geomil provides full range of accessories like friction reducers and cross-over adapters.

Please refer to the overleaf list for the most commonly used items, always on stock at Geomil.

List of most commonly used items

Tubes, inner rods & casing	Outer Diameter	Inner Diameter	Length	Item Number
CPT Tube with Standard thread	36 mm	16 mm	1000 mm	0070013004
CPT Tube with Heavy thread	36 mm	16 mm	1000 mm	0070013064
CPT Tube with Speedlock thread	36 mm	16 mm	1000 mm	0070013158
CPT Tube with Standard thread	36 mm	16 mm	500 mm	0070013005
CPT Tube with Heavy thread	36 mm	16 mm	500 mm	0070013068
CPT Tube with Speedlock thread	36 mm	16 mm	500 mm	0070013175
CPT Tube with Standard thread	36 mm	16 mm	300 mm	0070013011
CPT Tube with Heavy thread	36 mm	16 mm	300 mm	0070013077
CPT Tube with Speedlock thread	36 mm	16 mm	300 mm	0070013176
Inner Rod for Mechanical CPT	15 mm	-	1000 mm	0070013012
Inner Rod for Mechanical CPT	15 mm	-	500 mm	0070013013
Inner Rod for Mechanical CPT	15 mm	-	300 mm	0070013014
Casing Tube	55 mm	38 mm	1000 mm	0070013039
Casing Tube	55 mm	38 mm	500 mm	0070013038
Casing Tube	55 mm	38 mm	300 mm	0070013037
Casing Cutting Shoe	55 mm	38 mm	-	0076013001

Friction reducers	Female thread	Male thread	Length	Item Number
Mechanical Cone or S10/S15 Cone with Ring	Standard	Standard	300 mm	0070013029
Mechanical Cone or S10/S15 Cone with Ring	Heavy	Standard	300 mm	0070013066
Mechanical Cone or S10/S15 Cone with Ring	Speedlock	Standard	300 mm	0070013170
Mechanical Cone or S10/S15 Cone with Cams	Standard	Standard	300 mm	0070013030
Mechanical Cone or S10/S15 Cone with Cams	Heavy	Standard	300 mm	0070013067
Mechanical Cone or S10/S15 Cone with Cams	Speedlock	Standard	300 mm	0070013169
C10 Cone with Ring	Standard	Metric	250 mm	0070013031
C10 Cone with Ring	Heavy	Metric	250 mm	0070013075
C10 Cone with Ring	Speedlock	Metric	250 mm	
C10 Cone with Cams	Standard	Metric	250 mm	0070013032
C10 Cone with Cams	Heavy	Metric	250 mm	0070013074
C10 Cone with Cams	Speedlock	Metric	250 mm	
Mechanical Cone or S10/S15 Cone for sleeve	Standard	Standard	500 mm	0070013117
Mechanical Cone or S10/S15 Cone for sleeve	Heavy	Standard	500 mm	0070013118
Mechanical Cone or S10/S15 Cone for sleeve	Speedlock	Standard	500 mm	0070013165
Sleeve for friction reducer (tempered steel)	-	-	-	0070013115
Short tube to comply with NEN 5140	Standard	Standard	165 mm	0070013098

Adapters	Female thread	Male thread	Length	Item Number
Mechanical Cone or S10/S15 Cone	Heavy	Standard	300 mm	0070013063
Mechanical Cone or S10/S15 Cone	Speedlock	Standard	300 mm	0070013164
Mechanical Cone or S10/S15 Cone	Heavy	Standard	500 mm	0070013081
Mechanical Cone or S10/S15 Cone	Speedlock	Standard	500 mm	0070013163
C10 Cone	Standard	Metric	250 mm	0070013020
C10 Cone	Heavy	Metric	250 mm	0070013071
C10 Cone	Speedlock	Metric	250 mm	0070013166
Crossover for new users of Speedlock	Speedlock	Standard	1000 mm	0070013185
Crossover for new users of Speedlock	Speedlock	Heavy	1000 mm	0070013186