

# ***PROBES ACCESSORIES***

***APPLICATION ACCESSORIES  
FOR MIDA PROBES***



# **MARPOSS**

Marposs makes available a wide range of accessories to customize probing systems for any machine type and any Customer specification.

### Supports and extensions

A complete line of accessories to allow the use of Mida™ probes in any application situation. Their use allows to fit even the applications most critical from machine geometry point of view.

### Styli

Wide styli range arise from Marposs experience in the field of measure and includes various options:

- Styli for part and tool inspection with tungsten-carbide or ruby contact
- Stili with stainless steel, ceramic, tungsten-carbide or carbon stem
- Dedicated solutions on demand

### How to choose the best stylus for the best precision

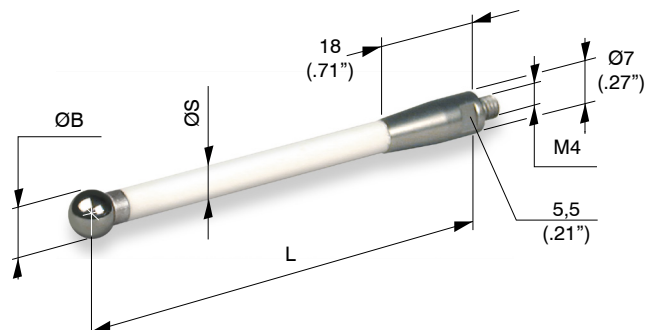
- 1) Use the shortest styli whenever possible
- 2) Use ceramic when long styli are required
- 3) Eliminate the use of extensions when possible
- 4) Select appropriate styli ball for your application
- 5) When the workpiece is placed on magnetic table use styli with ruby ball
- 6) On lathe use styli with steely stem



## Styli for part inspection

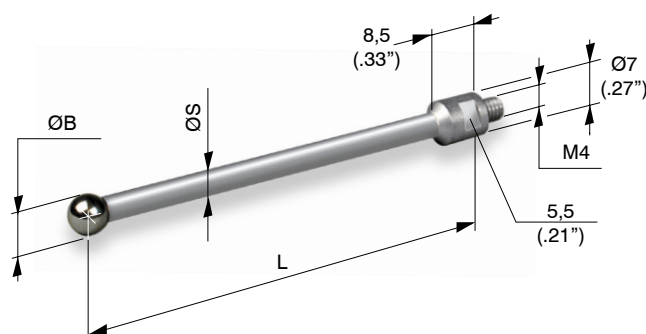
### Straight styli with ceramic stem and tungsten-carbide ball

| L<br>mm (inch) | B<br>mm (inch) | S<br>mm (inch) | Code       |
|----------------|----------------|----------------|------------|
| 35 (1.38)      | 6 (.23)        | 4 (.16)        | 3191910872 |
| 40 (1.57)      | 6 (.23)        | 4 (.16)        | 3191910873 |
| 45 (1.77)      | 6 (.23)        | 4 (.16)        | 3191910874 |
| 50 (1.97)      | 6 (.23)        | 4 (.16)        | 3191910875 |
| 70 (2.75)      | 7 (.27)        | 5 (.19)        | 3191910871 |
| 75 (2.95)      | 6 (.23)        | 4 (.16)        | 3191910870 |
| 100 (3.94)     | 6 (.23)        | 4 (.16)        | 3191910865 |
| 100 (3.94)     | 10 (.39)       | 4 (.16)        | 3191929210 |
| 125 (4.92)     | 7 (.27)        | 5 (.19)        | 3191929200 |
| 150 (5.90)     | 7 (.27)        | 5 (.19)        | 3191910860 |



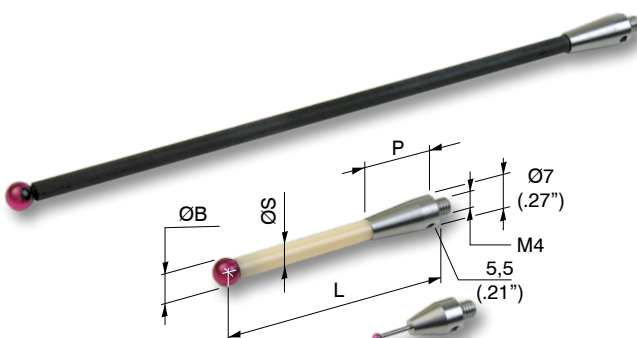
### Straight styli with steel stem and tungsten-carbide ball

| L<br>mm (inch) | B<br>mm (inch) | S<br>mm (inch) | Code       |
|----------------|----------------|----------------|------------|
| 25 (.98)       | 6 (.23)        | 4 (.16)        | 3191910811 |
| 30 (1.18)      | 6 (.23)        | 4 (.16)        | 3191910804 |
| 35 (1.38)      | 6 (.23)        | 4 (.16)        | 3191910805 |
| 40 (1.57)      | 6 (.23)        | 4 (.16)        | 3191910810 |
| 50 (1.97)      | 6 (.23)        | 4 (.16)        | 3191910815 |
| 70 (2.75)      | 6 (.23)        | 4 (.16)        | 3191910825 |
| 75 (2.95)      | 6 (.23)        | 4 (.16)        | 3191910830 |
| 80 (3.14)      | 6 (.23)        | 4 (.16)        | 3191910835 |
| 100 (3.94)     | 6 (.23)        | 4 (.16)        | 3191910840 |
| 150 (5.90)     | 7 (.27)        | 5 (.19)        | 3191910845 |



### Straight styli with ruby ball

| L<br>mm (inch) | B<br>mm (inch) | S<br>mm (inch) | P<br>mm (inch) | Stem | Code       |
|----------------|----------------|----------------|----------------|------|------------|
| 19 (0.75)      | 2 (.08)        | 1.2 (.05)      | 11 (.43)       | TC   | 3191910911 |
| 19.5 (0.77)    | 1 (.04)        | .8 (.03)       | 15 (.59)       | TC   | 3191910910 |
| 30 (1.18)      | 3 (.12)        | 2 (.08)        | 9 (.04)        | TC   | 3191910912 |
| 30 (1.18)      | 4 (.15)        | 3 (.12)        | 9 (.04)        | TC   | 3191910914 |
| 30 (1.18)      | 4 (.15)        | 3 (.12)        | 9 (.04)        | CE   | 3191910868 |
| 50 (1.97)      | 3 (.12)        | 2 (.08)        | 9 (.04)        | TC   | 3191910913 |
| 50 (1.97)      | 4 (.15)        | 3 (.12)        | 9 (.04)        | CE   | 3191910866 |
| 50 (1.97)      | 6 (.23)        | 4.5 (.18)      | 16 (.63)       | CE   | 3191910818 |
| 100 (3.94)     | 6 (.23)        | 4.5 (.18)      | 16 (.63)       | CE   | 3191910819 |
| 150 (5.90)     | 6 (.23)        | 4 (.15)        | 16 (.63)       | CFK  | 3191910915 |

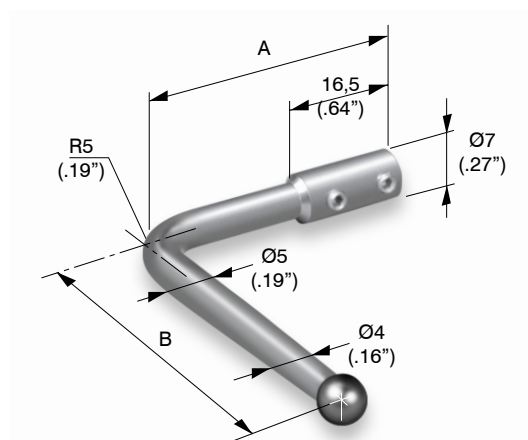


CE = ceramic  
TC = tungsten-carbide  
CFK = carbon fiber



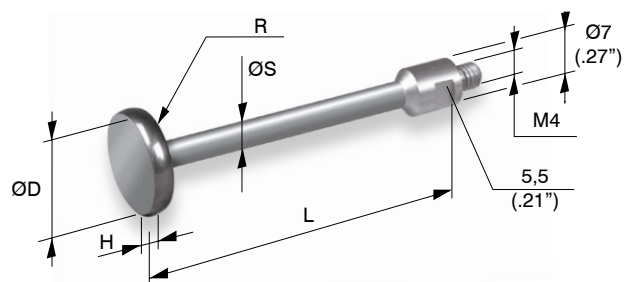
### Cranked styli with steel stem and Ø6 mm (.23") tungsten-carbide ball

| A<br>mm (inch) | B<br>mm (inch) | Code       | To be used<br>with crash<br>protection pin |
|----------------|----------------|------------|--------------------------------------------|
| 30 (1.18)      | 50 (1.97)      | 3191910876 | 1015051100                                 |
| 35 (1.38)      | 40 (1.57)      | 3191910877 | 1015051100                                 |
| 40 (1.57)      | 35 (1.38)      | 3191910878 | 1015051100                                 |
| 40 (1.57)      | 40 (1.57)      | 3191910879 | 1015051100                                 |
| 40 (1.579)     | 50 (1.97)      | 3191910880 | 1015051100                                 |
| 40 (1.57)      | 60 (2.36)      | 3191910881 | 1015051100                                 |
| 50 (1.97)      | 35 (1.38)      | 3191910882 | 1015051100                                 |
| 50 (1.97)      | 50 (1.97)      | 3191910883 | 1015051100                                 |
| 50 (1.97)      | 60 (2.36)      | 3191910884 | 1015051100                                 |
| 60 (2.36)      | 60 (2.36)      | 3191910885 | 1015051100                                 |



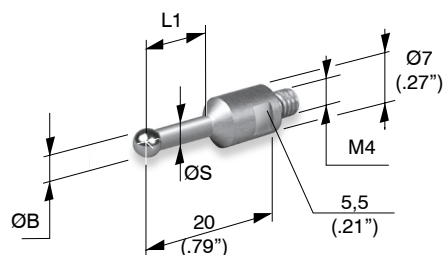
### Straight styli with steel stem and tungsten-carbide disc

| L<br>mm (inch) | D<br>mm (inch) | S<br>mm (inch) | H<br>mm (inch) | R<br>mm (inch) | Code       |
|----------------|----------------|----------------|----------------|----------------|------------|
| 8,5 (.33)      | 30 (1.18)      | 7 (.27)        | 3 (.11)        | 2 (.07)        | 3191927830 |
| 10,5 (.41)     | 14 (.55)       | 7 (.27)        | 4 (.15)        | 0              | 3191927863 |
| 21 (.82)       | 15 (.59)       | 4 (.15)        | 8 (.31)        | 0              | 3191927860 |
| 50 (1.97)      | 15 (.59)       | 4 (.15)        | 3 (.11)        | 2,5 (.09)      | 3191927827 |



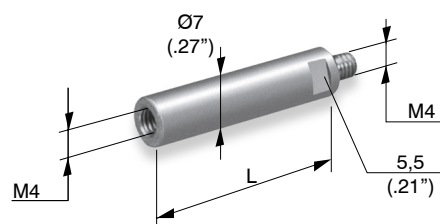
### Straight styli 20 mm (.79") long with steel stem and tungsten-carbide ball

| B<br>mm (inch) | S<br>mm (inch) | L1<br>mm (inch) | Code       |
|----------------|----------------|-----------------|------------|
| 1 (.04)        | 0,75 (.03)     | 4 (.16)         | 3191910806 |
| 2 (.08)        | 1,50 (.06)     | 7 (.27)         | 3191910807 |
| 4 (.16)        | 3 (.12)        | 10 (.39)        | 3191910808 |
| 6 (.24)        | 4 (.16)        | 11,5 (.45)      | 3191910803 |
| 8 (.32)        | 6 (.23)        | 11,5 (.45)      | 3191910809 |



### Stylus extensions

| L<br>mm (inch)    | Code       |
|-------------------|------------|
| 10 (.39) steel    | 1019108026 |
| 15 (.59) steel    | 1019108027 |
| 20 (.79) steel    | 1019108028 |
| 25 (.98) steel    | 1019108024 |
| 30 (1.18) steel   | 1019108029 |
| 30 (1.18) ceramic | 2019108005 |
| 50 (1.97) steel   | 1019108025 |

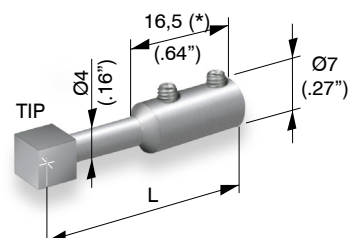


## Tool setting styli

### Straight styli with steel stem and tungsten-carbide tip

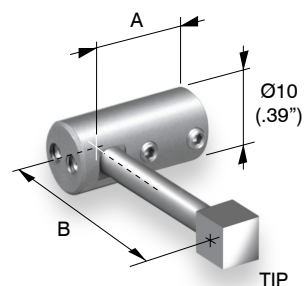
| L<br>mm (inch) | Tip<br>mm (inch)      | Code        | To be used<br>with crash<br>protection pin |
|----------------|-----------------------|-------------|--------------------------------------------|
| 17 (.66)       | 10x10x4 (.39x.39x.16) | 3191982502* | 1019825075                                 |
| 17 (.66)       | 20x20x4 (.78x.78x.16) | 3191927855* | 1019825075                                 |
| 30,5 (1.20)    | 6x6x6 (.23x.23x.23)   | 3191910886  | 1015051100                                 |
| 35,5 (1.40)    | 6x6x6 (.23x.23x.23)   | 3191910887  | 1015051100                                 |
| 47,5 (1.87)    | 6x6x6 (.23x.23x.23)   | 3191910888  | 1015051100                                 |
| 60,5 (2.38)    | 6x6x6 (.23x.23x.23)   | 3191910889  | 1015051100                                 |
| 94,5 (3.72)    | 6x6x6 (.23x.23x.23)   | 3191910890  | 1015051100                                 |

(\*) 11,5 (.45") instead of 16,5 (.64")



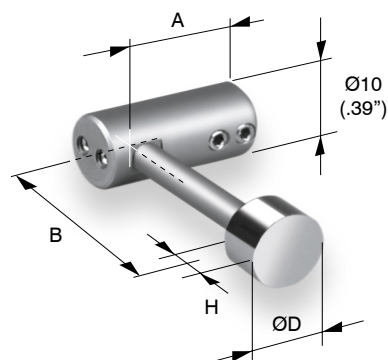
### Cranked styli with steel shaft and tungsten-carbide tip

| A<br>mm (inch) | B<br>mm (inch) | Tip<br>mm (inch)      | Code       | To be used<br>with crash<br>protection pin |
|----------------|----------------|-----------------------|------------|--------------------------------------------|
| 17 (.66)       | 32 (1.25)      | 10x10x4 (.39x.39x.16) | 3191982506 | 1019825075                                 |
| 16,5 (.64)     | 32 (1.25)      | 6x6x6 (.23x.23x.23)   | 3191982507 | 1019825075                                 |
| 14 (.55)       | 32 (1.25)      | 10x10x4 (.39x.39x.16) | 3191982515 | 1019825075                                 |



### Cranked styli with steel shaft and tungsten-carbide disc

| A<br>mm (inch) | B<br>mm (inch) | D<br>mm (inch) | H<br>mm (inch) | Code       | To be used<br>with crash<br>protection pin |
|----------------|----------------|----------------|----------------|------------|--------------------------------------------|
| 17 (.66)       | 32 (1.25)      | 15 (.59)       | 3 (.11)        | 3191982508 | 1019825075                                 |
| 17 (.66)       | 32 (1.25)      | 10 (.39)       | 6 (.23)        | 3191982510 | 1019825075                                 |
| 14 (.55)       | 32,5 (1.28)    | 15 (.59)       | 3 (.11)        | 3191982517 | 1019825075                                 |



### Tungsten-carbide plate contact for TS30/OTS30

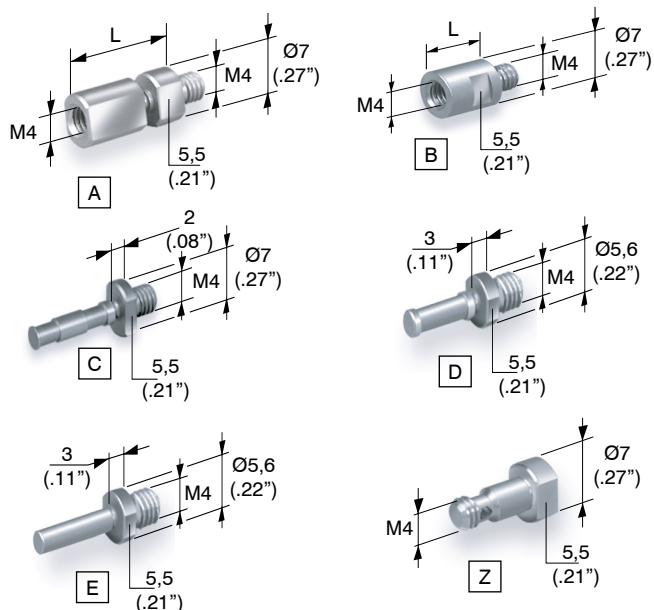
| D<br>mm (inch) | H<br>mm (inch) | Code       | To be used<br>with crash<br>protection pin |
|----------------|----------------|------------|--------------------------------------------|
| 39 (1.54)      | 7,5 (.30)      | 3192787702 | 1027877527                                 |



## Styli complements

### Crash protection pins

| Description                      |   | Code       |
|----------------------------------|---|------------|
| L = 15 mm (.59")                 | A | 1019108005 |
| L = 8 mm (.31")                  | B | 1019108038 |
| For grub screw stylus            | C | 1015051100 |
| For tool checking with T18 probe | D | 1019825075 |
| For arms applications            | E | 1044957100 |
| Adapter screw                    | Z | 1019108004 |



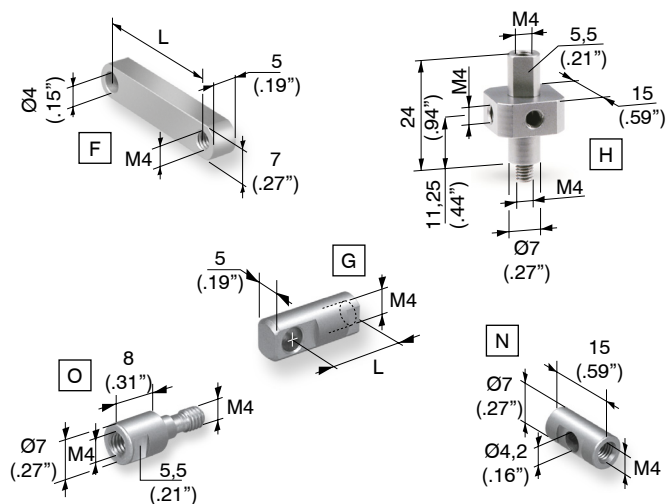
### Stylus retainer

| Description<br>mm (inch) | Code       |
|--------------------------|------------|
| Stylus retainer          | 1019108003 |

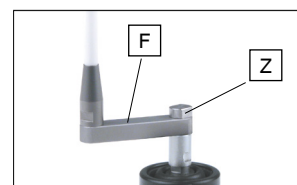
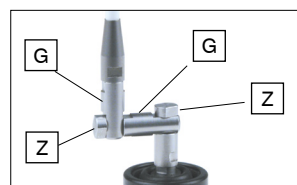
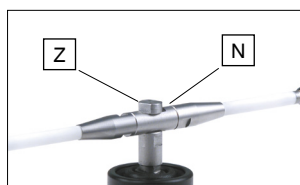
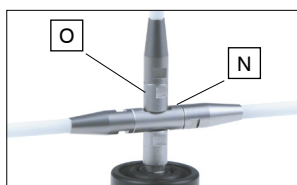


### Stylus adapters

| Description                        |   | Code       | Utilizzare<br>con vite per<br>adattatore |
|------------------------------------|---|------------|------------------------------------------|
| Offset adapter L = 15 mm (.59")    | F | 1019278028 | 1019108004                               |
| Offset adapter L = 21,9 mm (.86")  | F | 1019108036 | 1019108004                               |
| Offset adapter L = 27,6 mm (1.08") | F | 1019108037 | 1019108004                               |
| Offset adapter L = 40 mm (1.57")   | F | 1019278006 | 1019108004                               |
| Swivel adapter L = 10 mm (.39")    | G | 1019108001 | 1019108004                               |
| Swivel adapter L = 13,5 mm (.53")  | G | 1019108002 | 1019108004                               |
| Cross holder adapter               | H | 2019108000 | -                                        |
| T-Stylus adapte                    | N | 1019108048 | -                                        |
| Screw holder for T-Stylus adapter  | O | 1019108047 | -                                        |



### Adapters combination examples



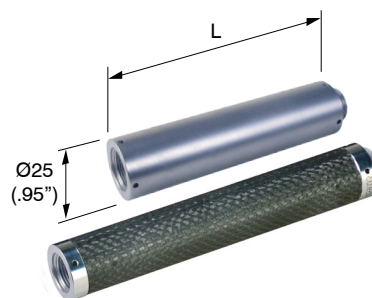
## Applicative accessories

### Extensions for T25 probe

Insert the extension between the probe and the support to increase the system measuring depth

| L<br>mm (inch) | Weight<br>g | Materiale | Code       |
|----------------|-------------|-----------|------------|
| 23,5 (.93)     | 75          | ST        | 2915335023 |
| 50 (1.97)      | 150         | ST        | 2915335100 |
| 75 (2.95)      | 225         | ST        | 2915335105 |
| 100 (3.94)     | 300         | ST        | 2915335110 |
| 150 (5.91)     | 450         | ST        | 2915335120 |
| 150 (5.91)     | 165         | CFK       | 2915335128 |
| 300 (11.81)    | 208         | CFK       | 2915335129 |
| 400 (15.75)    | 236         | CFK       | 2915335133 |
| 500 (19.69)    | 263         | CFK       | 2915335131 |
| 650 (25.59)    | 308         | CFK       | 2915335132 |

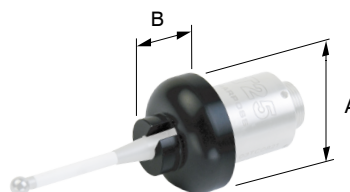
ST = steel  
CFK = carbon fiber



### Protective umbrella units

The umbrella provides additional protection from chips etc.

| Probe         | A<br>mm (inch) | B<br>mm (inch) | Code       |
|---------------|----------------|----------------|------------|
| T25/TT25/TL25 | Ø37 (1.46)     | 20 (.79)       | 2015335004 |
| T36           | Ø52 (2.05)     | 25 (.98)       | 2015340004 |
| T60           | Ø75 (2.95)     | 31.5 (1.24)    | 2915345013 |

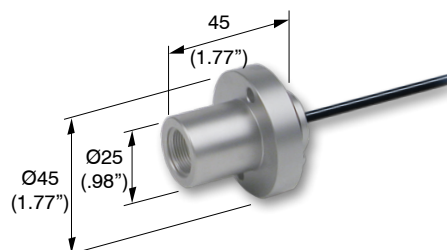


### Support with axial adjustment for T25 probe

The support fits into a purpose made hole and allows probe axial adjustment  $\pm 4^\circ$  using the two fixing screws and the two rear spheres.

Weight: 295 g

| Cable length<br>m (inch) | Code       |
|--------------------------|------------|
| 6 (236.2)                | 2915335056 |
| 12 (472.5)               | 2915335058 |

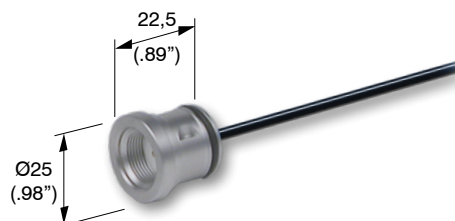


### Support with angle adjustment for T25 probe

The support fits into a purpose made hole and allows adjustment of the probe angle  $\pm 4^\circ$  using two grub screws.

Weight: 130 g

| Cable length<br>m (inch) | Code       |
|--------------------------|------------|
| 10 (393.7)               | 2915335069 |

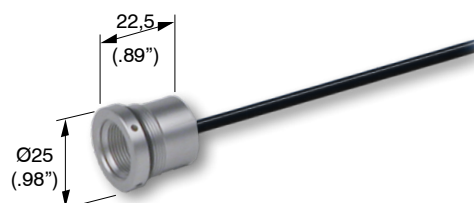


### Threaded fixed support for T25 probe

The support screws into a purpose made threaded hole and is tightened with the wrench (supplied).

Weight: 130 g

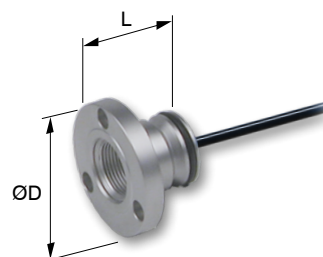
| Cable length<br>m (inch) | Code       |
|--------------------------|------------|
| 6 (236.2)                | 2915335043 |
| 12 (472.5)               | 2915335053 |



### Fixed support with connector flange for T25 and TT30 probes

The support fits into a purpose made hole and is fixed by tightening the three 120° spaced screws.  
Weight: 150 g

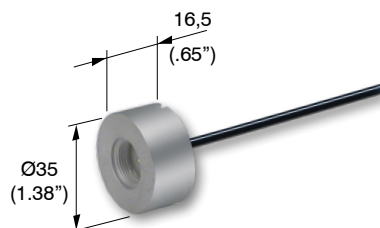
| Probe         | Cable length<br>m (inch) | L<br>mm (inch) | D<br>mm (inch) | Code       |
|---------------|--------------------------|----------------|----------------|------------|
| T25/TT25/T25P | 6 (236.2)                | 22,5 (.89)     | 37 (1.46)      | 2915335041 |
| T25/TT25/T25P | 12 (472.5)               | 22,5 (.89)     | 37 (1.46)      | 2915335049 |
| TT30          | 6 (236.2)                | 24,5 (.97)     | 48 (1.89)      | 2927877600 |



### Fixed support for T25 probe

The support is fixed using two screws.  
Weight: 210 g

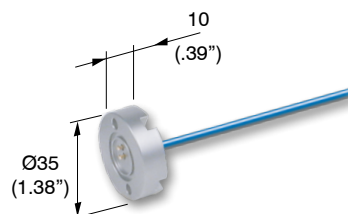
| Cable length<br>m (inch) | Code       |
|--------------------------|------------|
| 6 (236.2)                | 2915335057 |
| 12 (472.4)               | 2915335063 |



### Fixed support for T36 probe

The support is fixed using two screws.  
Weight: 160 g

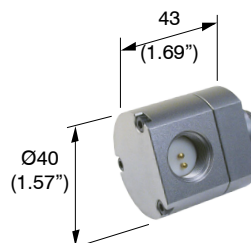
| Cable length<br>m (inch) | Code       |
|--------------------------|------------|
| 6 (236.2)                | 2915340100 |



### 90° adapters for T25 probe

Allow you to use the probe at 90° to the support axis. Screw it onto the probe support for 340° positioning.

| Type           | Weight<br>g | Code       |
|----------------|-------------|------------|
| For one probe  | 305         | 3015335010 |
| For two probes | 280         | 3015335011 |



## System codes

|                                |            |
|--------------------------------|------------|
| E32U interface                 | 8303290081 |
| E32U interface for positioners | 8303290082 |
| T25G probe                     | 3415335200 |
| TT25G probe                    | 3424310000 |
| TL25G probe                    | 3424306000 |
| TT30 probe                     | 3427877100 |

For a full list of address locations, please consult the Marposs official website

D6C06100G0 - Edition 05/2022 - Specifications are subject to modifications  
© Copyright 2010-2022 MARPOSS S.p.A. (Italy) - All rights reserved.

MARPOSS,  and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in this publication are acknowledged to the respective owners.

Marposs has an integrated system for Company quality, environmental and safety management, with ISO 9001, ISO 14001 and OHSAS 18001 certification. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award.



www.marposs.com



Download the latest version of this document