

# Mounting Hardware

## Mounting Studs

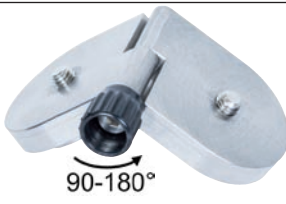
| Model               | 021                                                                               | 022                                                                               | 003                                                                               | 005                                                                               | 045                                                                                | 046                                                                                 | 044                                                                                 | 043                                                                                 |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Thread 1 x length 1 | M3 x 6                                                                            | M3 (female) x 5                                                                   | M5 x 8                                                                            | M5 x 3                                                                            | M5 x 4                                                                             | M5 x 4                                                                              | M5 (female) x 4                                                                     | M8 x 10                                                                             |
| Thread 2 x length 2 | -                                                                                 | M5 (male) x 5                                                                     | -                                                                                 | M5 x 7                                                                            | UNF 10-32 x 4                                                                      | 1/4"-28 x 4                                                                         | M8 (male) x 4                                                                       | -                                                                                   |
| Photo               |  |  |  |  |  |  |  |  |

## Insulating Flanges for Screw and Adhesive Flanges

| Model               | 106                                                                               | 006                                                                               | 206                                                                               | 129                                                                                | 329                                                                                 | 029                                                                                 | 229*                                                                                |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Purpose             | For isolated screw mounting of accelerometers                                     |                                                                                   |                                                                                   | For adhesive attachment with cyanoacrylate or epoxy glue                           |                                                                                     |                                                                                     |                                                                                     |
| Photo               |  |  |  |  |  |  |  |
| Stud 1 x length     | M3 x 1,4                                                                          | M5 x 5                                                                            | M8 x 6                                                                            | M3 x 1,4                                                                           | M3 x 3,5                                                                            | M5 x 3                                                                              | M8 x 4                                                                              |
| Stud 2 x length     | M3 x 1.4                                                                          | M5 x 3                                                                            | M8 x 4                                                                            | -                                                                                  | -                                                                                   | -                                                                                   | -                                                                                   |
| Diameter x height   | 12 x 3,7 mm                                                                       | SW17 x 4 mm                                                                       | 30x 10 mm                                                                         | 12 x 3 mm                                                                          | 20 x 3 mm                                                                           | 15 x 1,6 mm                                                                         | 25 x 3 mm                                                                           |
| Weight              | 0,7 g                                                                             | 2,5 g                                                                             | 16 g                                                                              | 0,5 g                                                                              | 1,5 g                                                                               | 1 g                                                                                 | 14 g                                                                                |
| Maximum temperature | 110 °C                                                                            | 80 °C                                                                             | 110 °C                                                                            | 110 °C                                                                             | 110 °C                                                                              | > 250 °C                                                                            | > 250 °C                                                                            |

\* Model 229 is non-isolating

## Rare Earth Magnetic Bases\*

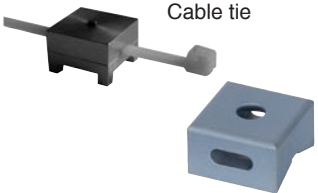
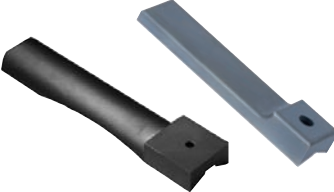
| Model                           | 108                                                                                 | 308                                                                                 | 408                                                                                 | 008                                                                                 | 708                                                                                 | 208                                                                                  | 508                                                                                   | 608                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Purpose                         | Magnetic bases with high pulling force for vibration sensors                        |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       | Curved magnet, self-adapting, >50 mm Ø                                                |
| Photo                           |  |  |  |  |  |  |  |  |
| Thread<br>Thread length / depth | M3 stud<br>1.4 mm                                                                   | M3 stud<br>2.7 mm                                                                   | M4 hole<br>4 mm                                                                     | M5 stud<br>3 mm                                                                     | M5 stud<br>3 mm                                                                     | M8 stud<br>4 mm                                                                      | M8 hole<br>12 mm                                                                      | 2 M5 studs<br>3 mm                                                                    |
| Diameter<br>Height              | 10 mm<br>5 mm                                                                       | 22 mm<br>8 mm                                                                       | 30 mm<br>11 mm                                                                      | 22 mm<br>8 mm                                                                       | SW15 (hex)<br>7,5 mm                                                                | 30 mm<br>11 mm                                                                       | 54 mm<br>12 mm                                                                        | 66 mm x 44 mm x 12 mm                                                                 |
| Pulling force                   | 20 N                                                                                | 100 N                                                                               | 100 N                                                                               | 100 N                                                                               | 30 N                                                                                | 100 N                                                                                | 250 N                                                                                 | 100 N                                                                                 |
| Weight                          | 2,5 g                                                                               | 20 g                                                                                | 64 g                                                                                | 20 g                                                                                | 11 g                                                                                | 66 g                                                                                 | 185 g                                                                                 | 112 g                                                                                 |
| Maximum temperature             | 120 °C                                                                              | 120 °C                                                                              | 120 °C                                                                              | 120 °C                                                                              | 120 °C                                                                              | 120 °C                                                                               | 80 °C                                                                                 | 120 °C                                                                                |

\* Weitere Modelle auf Anfrage. • Other models on demand.

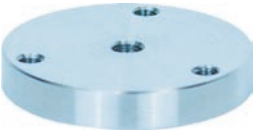
## Triaxial Mounting Cubes

| Model                   | 130                                                                               | 030                                                                               | 230                                                                                | 330                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Purpose                 | Adapters for triaxial measurements with three uniaxial accelerometers             |                                                                                   |                                                                                    |                                                                                     |
| Photo                   |  |  |  |  |
| Thread size for sensors | 3 x M3                                                                            | 3 x M5                                                                            | 3 x M8                                                                             | 3 x M10                                                                             |
| Mounting at test object | M5 stud                                                                           | M8 stud                                                                           | M8 stud                                                                            | M6 screw                                                                            |
| Size                    | 12 mm                                                                             | 21 mm                                                                             | 34 mm                                                                              | 51 mm                                                                               |
| Weight                  | 3,5 g                                                                             | 20 g                                                                              | 95 g                                                                               | 340 g                                                                               |

## Accessories for Human Vibration Measurement

| Model         | 140                                                                                 | 141 | 142                                                                                  | 143 | 027                                                                                   |
|---------------|-------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|
| Purpose       | Handle adapter for the attachment of accelerometers on curved surfaces              |     | Hand-held adapter for accelerometers on curved surfaces                              |     | S<br>X / Y / Z calibration adapter for the seat pad accelerometer<br>KS963B100-S      |
| Sensor thread | M3                                                                                  | M5  | M3                                                                                   | M5  | -                                                                                     |
| Photo         |  |     |  |     |  |

## Other Mounting Accessories

| Model   | 001                                                                                 | 040                                                                                                        | 002                                                                                                                                                       | 700                                                                                                        |
|---------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Purpose | Probe for accelerometers with M5 thread                                             | Mounting and calibration adapter for sensors with 3-hole base (3 M4 holes, R = 15.1) via a central M5 hole | Bee wax for temporary adhesive mounting of accelerometers                                                                                                 | Pressure hull for the installation of sensors under water at a pressure of up to 20 Bar / 20 MPa / 290 psi |
| Photo   |  |                         | <br>Hardens at room temperature. Melts by hand temperature or hot air. |                       |

StrainSense Limited, Old Stratford Business Park, Falcon Drive, Old Stratford, Milton Keynes, MK19 6FG, UK  
**T:** +44 (0)1908 305960 **E:** sales@strainsense.co.uk **W:** www.strainsense.co.uk

Registered in England & Wales, No 4459986 VAT No GB 795 2044 15  
 Registered office: Old Stratford Business Park, Falcon Drive, Old Stratford, Milton Keynes, MK19 6FG, UK