

S-FIX FIXTURING & MOUNTING ACCESSORIES FOR MEASURING EQUIPMENT

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www.s-fix.net

S-fix ACCESSORIES

S-FIX



The S-FIX team is proud to present our growing range of accessories for precision optical tooling and measuring equipment such as portable CMMs, laser trackers and laser scanners. Each product in our line represents a high quality option for providing customers with the best quality, most reliable and cost-effective solutions available on the market.

As well as being designed, over 90% of the products are manufactured in-house and all materials are sourced from within the UK and Europe to maintain the highest quality standards. Being everyday users of our products, we have the utmost confidence in what we offer for all professional applications.

We are passionate about offering our customers the best possible products and are constantly seeking to further our range to meet your measuring needs. If you need a custom solution then do try us to see whether we can assist.

We hope you take the time to browse our product brochure. If you'd like any help with our products and accessories or to speak to myself or the S-FIX team, please do not hesitate to get in contact.

JAMES SENIOR
Director

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TABLE TOP FIXTURING

The S-FIX table top fixturing system has been purpose-designed and built to be the optimal platform for using 3D scanners and portable CMMs to measure diverse small to large sized components.

The fixturing table is central to the whole system, providing a stable heavy-duty base on which to mount the measuring equipment and the components to be analysed.

We offer a diverse range of fixturing products, that will position your component high enough in the air, to allow measurements to be taken from above and below.

Our system is quick and easy to setup, adaptable to a huge range of products and offers unrivalled accessibility and support to the components being measured.

MAGNETIC MOUNTING

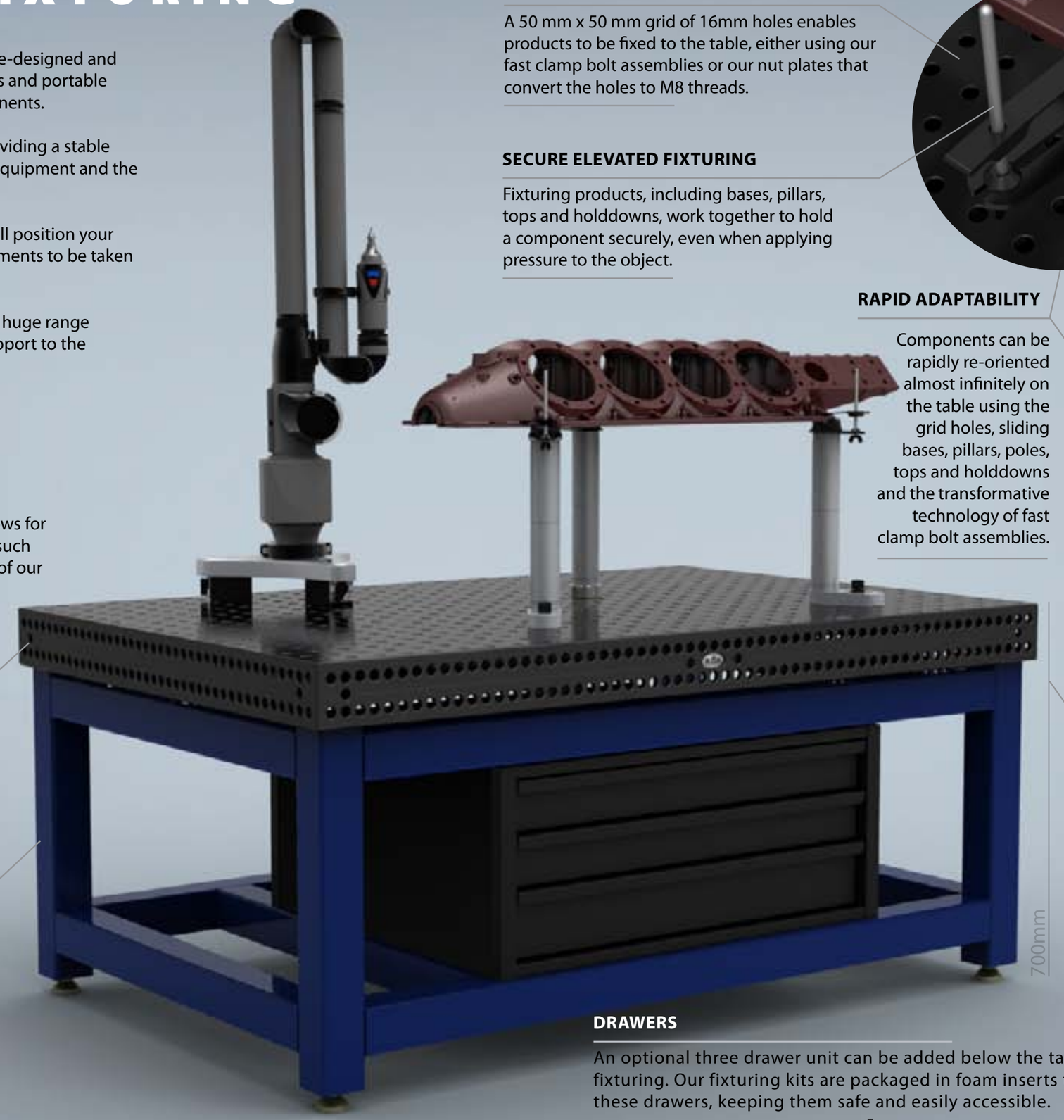
The machined steep top allows for simple magnetic mounting such as a portable CMMs via one of our magnetic mount bases.

BUILT TO LAST

The steel top is plasma-nitrated to offer excellent hardness and scratch and corrosion resistance.

ATTRACTIVE FINISH

The base is made of steel for strength and rigidity and finished in a blue semi-gloss powder-coating as standard.



GRID HOLES

A 50 mm x 50 mm grid of 16mm holes enables products to be fixed to the table, either using our fast clamp bolt assemblies or our nut plates that convert the holes to M8 threads.



SECURE ELEVATED FIXTURING

Fixturing products, including bases, pillars, tops and holddowns, work together to hold a component securely, even when applying pressure to the object.

RAPID ADAPTABILITY

Components can be rapidly re-oriented almost infinitely on the table using the grid holes, sliding bases, pillars, poles, tops and holddowns and the transformative technology of fast clamp bolt assemblies.



EASY COMPONENT ACCESS

At 700mm tall, the table height complements the added height of fixturing products to allow comfortable access to both above and below a component while it is measured.

DRAWERS

An optional three drawer unit can be added below the table to store tools and fixturing. Our fixturing kits are packaged in foam inserts that fit neatly into these drawers, keeping them safe and easily accessible.

FIXTURING TABLES

S-F1000 range

Material : Hardened Tool Steel



S-F1005

Length	Width	Height	Weight
1000mm	1000mm	700mm	225kg





S-F1006

Length	Width	Height	Weight
1500mm	1000mm	700mm	300kg





S-F1007

Length	Width	Height	Weight
2000mm	1000mm	700mm	375kg





Made to Order

S-F1008

As well as our standard tables we can offer a range of different sizes, colours and feet options. Please contact us with your specifications.



3 Drawer Storage Unit

S-F1009

A 3 Storage Drawer Unit can be added to any of the tables to allow quick and easy access to your fixturing products and tools.

Part number	Length	Width	Height	Weight
S-F1005	1000 mm	1000 mm	700 mm	225 kg
S-F1006	1500 mm	1000 mm	700 mm	300 kg
S-F1007	2000 mm	1000 mm	700 mm	375 kg

Fixturing tables are made to order. Please allow for a 6-week schedule.

FIXTURING ACCESSORIES

S-F3000 range



S-FIX RH Locking Nut

S-F3001

RH Locking Nuts allow you to orientate the direction of the fixturing tops on top of the pillars. They are also used to hold down the sprung finger plates as part of the fixturing hold downs.



S-FIX M8 Bolt Assembly

S-F3003

Combine with the S-FIX Nut Plates to attach a suitable product to one of our fixturing tables. The captivated washers makes the process all the easier. Each bolt assembly has 30mm of usable thread.



S-FIX Nut Plate

S-F3006

Nut Plates are magnetically adhered beneath the fixturing table and through two holes to provide a pair of M8 threaded holes just below the table for any number of applications.



S-FIX Fast Clamp Bolt Assy

S-F3008

Fast Clamp Bolt Assemblies allow sliding bases to be quickly positioned and secured without the need for tools. As the head is turned, ball bearings are pushed outwards to lock it below the table, firmly clamping the base above.



S-FIX Sliding Base

S-F3009

Sliding Bases allow pillars to be arranged in near-infinite horizontal positions across the fixturing table.

22 mm height
80 mm length
60 mm width



Wera 6mm Allen Hex Key

S-F10002

Wera Stainless Steel Hex keys for tightening the M8 Bolt Assemblies.

FIXTURING PILLARS

S-F4000 range



S-FIX Fixed Pillar- Fast Clamp

S-F4004

Fixed Pillars have a built-in fast clamp assembly allowing for fast, no-tools positioning for the first mount for any fixtured setup.

300 mm height



S-FIX Fixed Pillar for Sliding Base

S-F4005

Fixed pillars attach to sliding bases and offer near-infinite position of a fixed pillar at a consistent height, equal to the standard fixed pillar. Sliding bases are sold separately.

286 mm height



S-FIX Adjustable Pillar for Sliding Base

S-F4003

Adjustable Pillars provide infinite height customisation within their range. To use, simply unlock both nuts and rotate the central sleeve to either lengthen or shorten the pillar. These must also be used with sliding bases.

235 - 410 mm height

FIXTURING TOPS

S-F5000 range

Fixturing tops screw directly onto the fixed pillars, providing a comprehensive range of mounting options for securing and stabilising your component.



Flat

S-F5001

The Flat top provides a horizontal surface. This can be used if you only require non-contact, unsecure measuring.



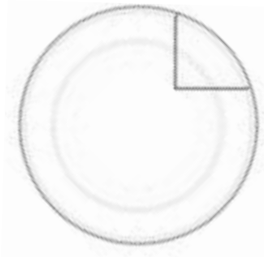
40mm

40mm

90° Angle- Small

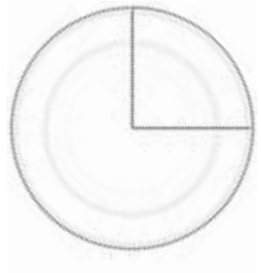
S-F5002

The 90° Angle top fits within the hollow of internal corners which are up to 90° in angle. A small or large version can be used according to preference.



90° Angle- Large

S-F5003



Straight Edge

S-F5004

The Straight Edge top provides a wide rest for applying force against the edge of a component.



Half Moon

S-F5005

The Half Moon top supports parts with an internal angled corner. The curved edge is usually a more flexible option over the angled tops.





90° Internal Angle

S-F5006

The 90º Internal Angle top supports parts with external angles up to 90°.



Magnet

S-F5007

The Magnetic top is useful for quickly securing parts made from appropriate materials.





Ball Joint

S-F5008

The Ball Joint top is used in addition to another fixturing top to lock it into an angled position.





Progressive Point

S-F5009

The Progressive Point top is ideal for fitting into holes of up to 30mm in diameter.



FIXTURING HOLDDOWNS

S-F6000 range

Fixturing Hold Down assemblies can be combined with fixturing tops and pillars to provide downward pressure onto your fixtured piece. While we usually recommend the 80mm set for most applications, we offer three lengths of finger clamps, three lengths of poles and two sizes of sprung plates so you can configure your set up to your individual needs. We have put together complete sets of the hold downs and also offer them individually. Many customers decide to attach a RH Threaded Nut (S-F3001 - Page 8) to each fixturing top they have to save swapping them over.

HOLD DOWN SETS





Each hold down set includes one:

1. **Finger Clamp**
2. **Pole**
3. **Sprung Plate**
4. **RH Threaded Nut**
5. **Wing Nut**

Holddown set	Part number	Finger clamp	Pole	Sprung plate
60 mm holddown set	S-F6001	60 mm	100 mm	60 mm
80 mm holddown set	S-F6002	80 mm	100 mm	80 mm
100 mm holddown set	S-F6003	100 mm	100 mm	80 mm



Rod Extension Kit

S-F6004

Includes:
3 x 300mm Poles
3 x 200mm Poles



60mm Finger Clamp

S-F6005



80mm Finger Clamp

S-F6006



100mm Finger Clamp

S-F6007

Our Finger Clamps provide downward force to securely hold the fixtured piece. They are extremely quick and easy to apply and release. Clamps are made of anodised aluminium. When they are positioned on top of a component and force is applied to the centre of the finger, they flex in the middle and lock into position. Rubber coated ends grip and protect the fixtured piece. Shorter clamps have less flexibility whilst longer clamps are good for reaching across the piece. The 80 mm clamps are recommended for most applications.



100mm Pole

S-F6008



200mm Pole

S-F6009



300mm Pole

S-F6010

Our range of Poles provide different levels of elevation from Sprung Plates to access the necessary point on a fixtured piece. The poles are made of stainless steel and come complete with a wing nut and washer plate to fasten between.



60mm Sprung Plate

S-F6011



80mm Sprung Plate

S-F6012

Sprung plates provide a mounting platform for the Fixturing Hold Downs. The plate attaches between the bottom of the Fixturing Tops and the top of the Pillars using the force of a RH Threaded Nut being screwed down onto it. This allows it to be positioned in any horizontal orientation.

The 60mm Sprung Plate is suitable for most applications however the 80mm version is useful if you require additional clearance from an overhanging section of the fixtured item.

FIXTURING SETS

S-F7000 range

Our fixturing sets have been carefully assembled to offer the most in-demand components in affordable packages. Given an attractive discount relative to purchasing components individually, these sets are ideal both as starter and expansion packs to your fixturing collection. Each set comes with removable foam insets, perfectly sized to fit in the S-FIX 3 Drawer Storage Unit.

Bronze Fixturing Set

S-7001

1 x S-F4004 - Fixed Pillar - Fast Clamp
2 x S-F4005 - Fixed Pillar for Sliding Base
3 x S-F3001 - RH Locking Nut
2 x S-F3009 - Sliding Base
2 x S-F3008 - Fast Clamp Bolt Assy
1 x S-F5001 - Fixturing Top - Flat
2 x S-F5004 - Fixturing Top - Straight Edge
2 x S-F5005 - Fixturing Top - Partial Circle
2 x S-F5006 - Fixturing Top - 90º Internal Angle
1 x S-F5007 - Fixturing Top - Magnet

Gold Fixturing Set

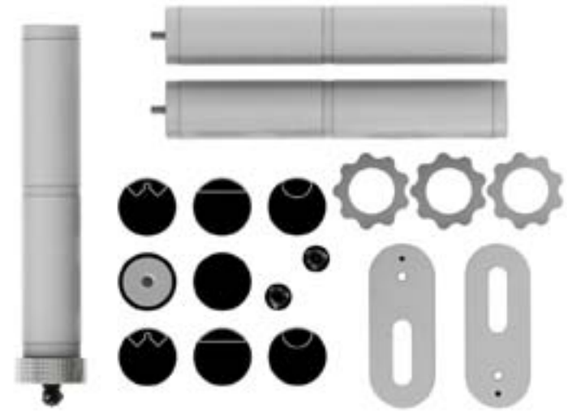
S-7003

3 x S-F4003 - Adjustable Pillar for Sliding Base
2 x S-F4004 - Fixed Pillar - Fast Clamp
3 x S-F4005 - Fixed Pillar for Sliding Base
8 x S-F3001 - RH Locking Nut
6 x S-F3009 - Sliding Base
6 x S-F3008 - Fast Clamp Bolt Assy
3 x S-F5001 - Fixturing Top - Flat
3 x S-F5002 - Fixturing Top - 90º Angle- Small
3 x S-F5003 - Fixturing Top - 90º Angle- Large
3 x S-F5004 - Fixturing Top - Straight Edge
3 x S-F5005 - Fixturing Top - Partial Circle
3 x S-F5006 - Fixturing Top - 90º Internal Angle
3 x S-F5007 - Fixturing Top - Magnet
3 x S-F5008 - Fixturing Top - Ball Joint
3 x S-F5009 - Fixturing Top - Progressive Point

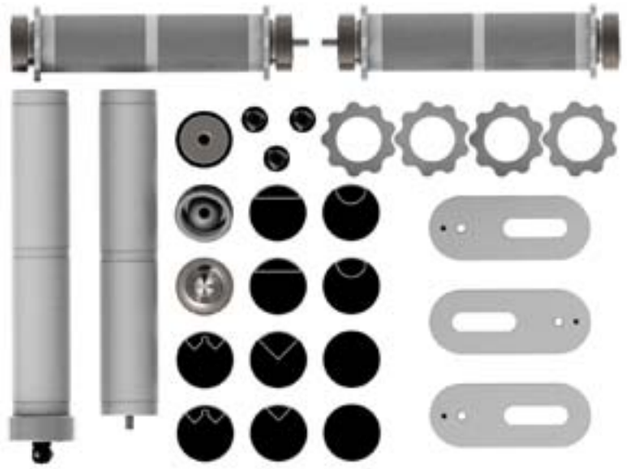
Silver Fixturing Set

S-7002

1 x S-F4003 - Adjustable Pillar for Sliding Base
1 x S-F4004 - Fixed Pillar - Fast Clamp
2 x S-F4005 - Fixed Pillar for Sliding Base
4 x S-F3001 - RH Locking Nut
3 x S-F3009 - Sliding Base
3 x S-F3008 - Fast Clamp Bolt Assy
2 x S-F5001 - Fixturing Top - Flat
1 x S-F5002 - Fixturing Top - 90º Angle- Small
1 x S-F5003 - Fixturing Top - 90º Angle- Large
2 x S-F5004 - Fixturing Top - Straight Edge
2 x S-F5005 - Fixturing Top - Partial Circle
2 x S-F5006 - Fixturing Top - 90º Internal Angle
1 x S-F5007 - Fixturing Top - Magnet
1 x S-F5008 - Fixturing Top - Ball Joint
1 x S-F5009 - Fixturing Top - Progressive Point



Bronze



Silver



Gold

MOUNTS , TRIPODS & ADAPTORS

We offer a range of base options for various measurement equipment including Faro and Romer arms and laser trackers. Our ring adaptors allow you to swap our standard 3.5”- 8 UN threaded ring for another type, suitable for other bits of apparatus, using the same mounting hole array. If none of the options are suitable for your requirements we are happy to make custom mounting rings as required.

The carbon tripods offer easy manoeuvrability of measuring equipment in the field. Both fixed or adjustable height options are available and cast iron leg weights can be added to enhance stability.

The fixed-base steel tripod provides the best stability and elevation for use of measuring equipment in the field with some compromise over manoeuvrability.

Use Carbon Extensions to elevate equipment above a mount or tripod.

Magnetic mounts allow you to secure your measurement device onto the fixturing table or on the floor with the floor plate as pictured.

S-FIX ADAPTOR SETS

Our adaptor ring sets provide everything necessary to replace original rings or to adapt rings for use with alternative mounting threads or surfaces. Our Threaded Ring and Ring Adaptor Sets come complete with six 10-32 UNF screws, six M5 screws and the corresponding hex keys. Custom adaptors can be made upon request.





S-FIX 3.5"- 8 UN Threaded Ring Set

S-F2001 Aluminium

S-FIX 3.5" - 8 UN Threaded Ring Set

S-F2002 Stainless Steel

Our Threaded Rings enable direct replacement for the original rings provided with many portable CMMs, standard surveying equipment and optical alignment instruments.



S-FIX 3/8" UNC Ring Adaptor Set

S-F2004

S-FIX 5/8" UNC Ring Adaptor Set

S-F2005

These Ring Adaptors offer alternative central mounting threads with the same bolt pattern as the standard 6-hole 3.5" thread.

S-FIX Screw Down Adaptor Set

S-F2003

The Screw Down Adaptor secures equipment on a 3.5" threaded ring to a suitable flat surface.

S-FIX MOUNTS

ALL BELOW SUITABLE FOR:

Faro

Romer Arms

Laser Trackers

If you are purchasing one of our magnetic bases and would prefer a ring adaptor instead of the threaded ring please leave a note with the order.





S-FIX Premium Magnetic Base Mount

S-F2006

The Premium Magnetic Base Mount securely attaches measuring equipment to our fixturing tables and can also be used with a floor plate for positioning on most ground surfaces. The mount boasts a wide footprint, recessed branded 100 kg rated magnets and a 3½"- 8 threaded stainless steel threaded ring to produce the strongest equipment hold on the market. The ergonomic shape and all-side machining make it a comfortable accessory to hold and re-position.





S-FIX Floor Plate for Premium Magnetic Base Mount

S-F2007

The floor plate is an easily manoeuvrable, height adjustable platform for the Premium Magnetic Mount. It is ideal for mounting measuring equipment low on the ground or another suitable surface to which magnets are not attracted.





S-FIX Circular Magnetic Base Mount

S-F2008

The Circular Magnetic Base is perfect for mounting within machines or on a fixturing Table. It has the smallest footprint and strongest single magnet and boasts a single on/off switch. It comes complete with a waterproof carry case for easy transportation.



CARBON TRIPODS

Our Carbon Tripods were specifically designed to provide a stable and adaptable base for using measuring equipment in the field. The woven finish carbon fibre tubes together with CNC machined aluminium and stainless steel components make them incredibly light yet strong at the same time.
Stability of the tripods can be further enhanced with leg weights, purchased separately. If you would prefer a ring adaptor instead of the threaded ring provided as standard with our Carbon Tripods, please leave a note with your order.



Screw down the threaded clamp to lock the legs out.





The tripod feet are easily switched between two configurations: Spikes for hard ground and flat feet for soft work areas.

S-FIX Fixed Carbon Tripod

S-F2009

The Fixed Carbon Tripod offers a stable elevated base whilst maintaining the portability of a lightweight folding tripod.

3.7 kg
675 mm



Every carbon tripod comes together with a carrying bag, custom-made for the product.

S-FIX Adjustable Carbon Tripod

S-F2010

The adjustable tripods offer height variation within their range. Two clamping handles on each leg secure and release the movable leg.

6.0 kg
700-1050 mm



S-FIX Leg Weights Set

S-F2011

An optional set of three Leg Weights can be positioned onto the pre-assembled foot pegs to improve the stability of a tripod and greatly reduce the effect of any mishaps, such as kicking a leg.
Adding the additional weight to the feet of the tripod is the best place to add it for stability.

3 x 5kg







FIXED-BASE STEEL TRIPOD

Our Fixed-Base Steel Tripod is designed specifically for measuring equipment with an internal 3.5" threaded ring, such as the Faro and Romer measuring arms. It is intended to provide the ultimate security against user-induced issues, like knocking or over-extending equipment, that compromise measuring data quality on a tripod. At 25 kg, we have found the optimal weight so that the tripod is light enough to manoeuvre by one person but heavy enough to combat displacement. The CNC-machined anodised aluminium and stainless steel feet are adjustable for levelling on uneven surfaces. The body of the stand is offered in a blue powder-coated steel as standard.

S-FIX Fixed-Base Steel Tripod

S-F2012

Weight: 25kg
Height: 700mm





Easy levelling with screw down stainless steel feet.



CARBON EXTENSION TUBES

Our collection of Carbon Extension Tubes provide options for elevating your measuring equipment to a range of heights. Fold-down handles provide points of leverage to easily screw the tubes into your choice of base mount or tripod. Measuring equipment can simply be secured to the attached threaded ring for sturdy use at greater heights.

We offer three lengths as standard though are happy to make any custom length between 150 and 2000mm.



300mm Carbon Extension Tube

S-F2013



500mm Carbon Extension Tube

S-F2014



1000mm Carbon Extension Tube

S-F2015



Custom Carbon Extension Tube

S-F2016

Custom lengths available to order.

150 - 2000 mm

PROBES FOR FARO ARMS

S-F8000 range

Using our S-FIX ruby probes, points and extensions, you get the greatest accuracy and functionality for your measuring and calibration needs. We offer a range of probes for Faro arms with the 1¼" UNC, M6 and ⅛" UNF threads as well as adaptors so you can use M5 CMM probes and extensions with any of these threads.

LIGHTER, STRONGER, SMALLER

We designed our S-FIX probes to be lighter, stronger and smaller than those offered by the original manufacturers. The 1¼" UNC version weighs 30 grams less whilst not compromising on rigidity. This gives our probes the advantages of both reducing user fatigue and increasing access into tight probing situations.

RUBY

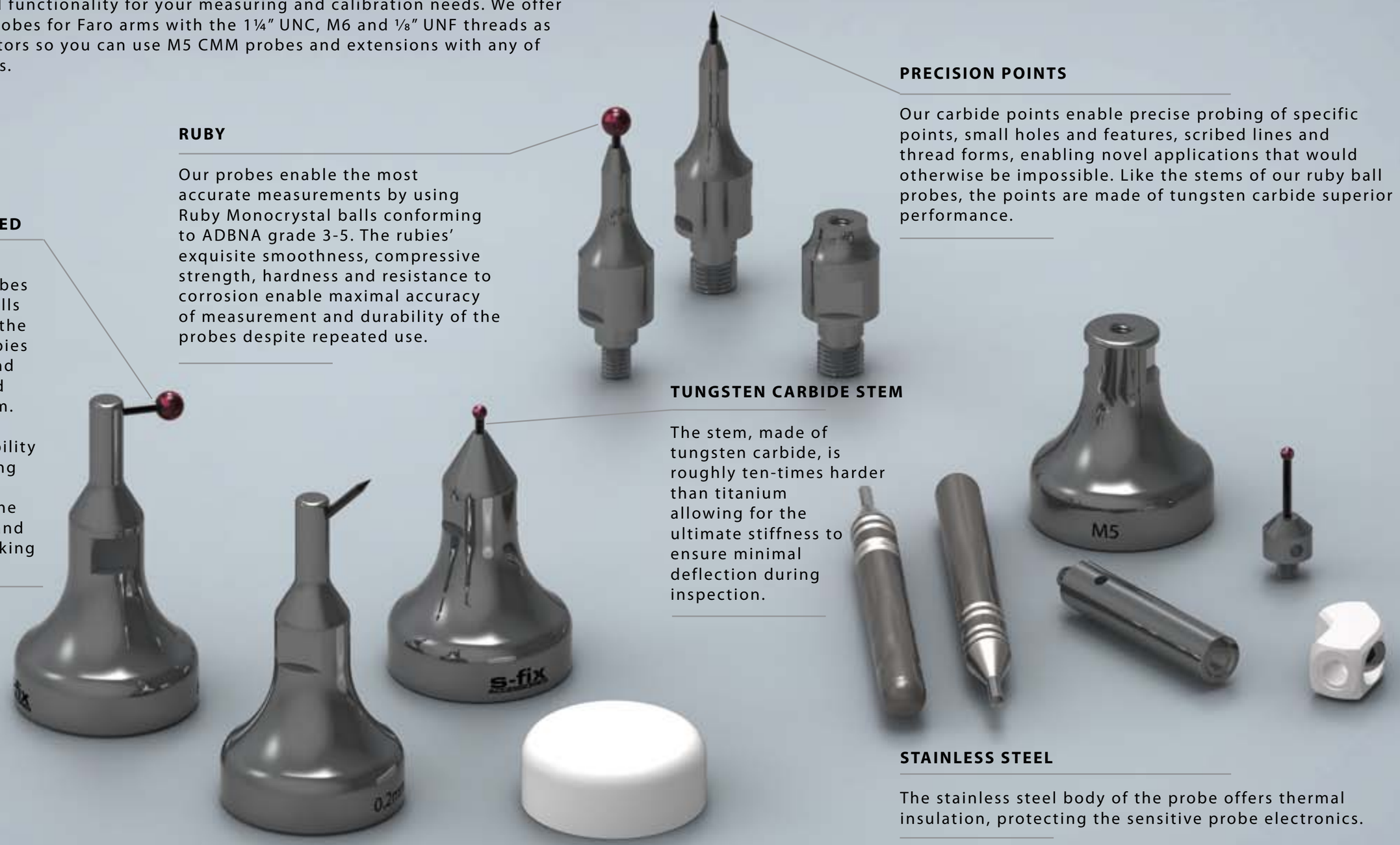
Our probes enable the most accurate measurements by using Ruby Monocrystal balls conforming to ADBNA grade 3-5. The rubies' exquisite smoothness, compressive strength, hardness and resistance to corrosion enable maximal accuracy of measurement and durability of the probes despite repeated use.

PRECISION POINTS

Our carbide points enable precise probing of specific points, small holes and features, scribed lines and thread forms, enabling novel applications that would otherwise be impossible. Like the stems of our ruby ball probes, the points are made of tungsten carbide superior performance.

PEG-MOUNTED

Unlike the standard probes where the balls are glued to the stem, our rubies are drilled and peg-mounted onto the stem. This ensures maximal stability While avoiding the common problem of the glue failing and the ball breaking away.



TUNGSTEN CARBIDE STEM

The stem, made of tungsten carbide, is roughly ten-times harder than titanium allowing for the ultimate stiffness to ensure minimal deflection during inspection.

STAINLESS STEEL

The stainless steel body of the probe offers thermal insulation, protecting the sensitive probe electronics.

1¼" UNC THREAD PROBES



S-FIX Probe End Cap Blank - 1¼" UNC

S-F8001

The Probe End Cap Blank is made from CNC turned acetal. When scanning, it greatly reduces user fatigue, prevents probe breakage, protects the electronics and increases accessibility with the scanner.

10 grams



S-FIX M5 Probe Adaptor - 1¼" UNC

S-F8002

The Probe Adaptor connects M5 threaded probes and extensions to 1¼" UNC Faro arms.

74 grams



S-FIX 3mm Ruby Probe - 1¼" UNC

S-F8003

78 grams



S-FIX 3mm Ruby Probe - 45° Angle - 1¼" UNC*

S-F8004

80 grams



S-FIX 3mm Ruby Probe - 90° Angle - 1¼" UNC*

S-F8005

80 grams



S-FIX 6mm Ruby Probe - 1¼" UNC

S-F8006

76 grams



S-FIX 6mm Ruby Probe - 45° Angle - 1¼" UNC*

S-F8007

80 grams



S-FIX 6mm Ruby Probe - 90° Angle - 1¼" UNC*

S-F8008

80 grams



S-FIX Carbide Point Probe - 1¼" UNC

S-F8009

78 grams



S-FIX Carbide Point Probe - 45° Angle - 1¼" UNC*

S-F8010

80 grams



S-FIX Carbide Point Probe - 90° Angle - 1¼" UNC*

S-F8011

80 grams



Suitable for Faro portable CMM arms with a 1¼" UNC thread.

THESE INCLUDE:

Faro EDGE

Faro Prime

Faro Quantum

Faro Titanium

Faro Platinum

Faro Fusion

Faro Gage, Gage Plus & Power Gage

Faro Advantage

Faro Digital Template

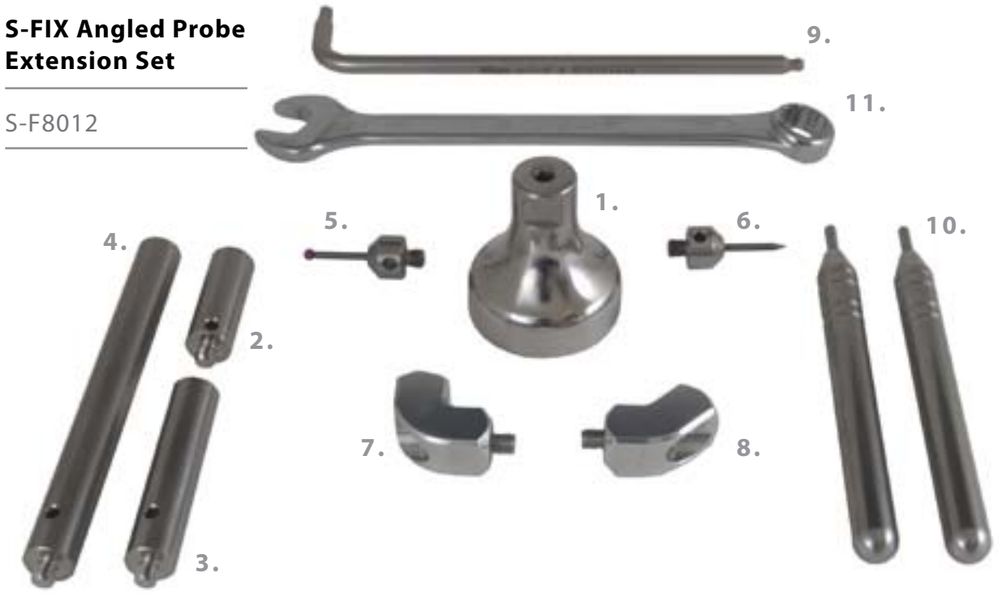
***Please note with the angled probes there is no control over which direction the probe is pointing when attached to the arm.**

S-FIX ANGLED PROBE EXTENSIONS

The extension set enables 1¼" UNC threaded measuring arms to take M5 probes, probing points and adaptors to change the length and angles of the probes to handle challenging applications. The set includes all of the tools for connecting the parts and comes in an easy-carry case. All parts can also be purchased separately.

S-FIX Angled Probe Extension Set

S-F8012





1. S-FIX M5 Probe Adaptor - 1¼" UNC

S-F8002

The Probe Adaptor connects M5 based probes and extensions to compatible Faro arms.

74 grams



2. S-FIX 30 mm Male to Female Stainless Steel M5 Probe Extension

S-F8013

This Extension provides an additional 30 mm length between the adaptor and probe.

30 mm length
20 grams

3. S-FIX 50 mm Male to Female Stainless Steel M5 Probe Extension

S-F8014

This Extension provides an additional 50 mm length between the adaptor and probe.

50 mm length

4. S-FIX 100 mm Male to Female Stainless Steel M5 Probe Extension

S-F8015

This Extension provides an additional 100 mm length between the adaptor and probe.

100 mm length



5. S-FIX 3mm Ruby Probe - M5 Thread

S-F8016

The Ruby Probe can be attached at the end of any combination of extensions, angled adaptors and probe adaptors.

8 grams



6. S-FIX Carbide Point Probe - M5 Thread

S-F8017

The Carbide Point Probe can be attached at the end of any combination of extensions, angled adaptors and probe adaptors.

6 grams



7. S-FIX Angled Adaptor - 90° Angle - M5 Thread

S-F8018

This Angled Adaptor allows for adjustable rotation at a 90º angle. The male end can be tightened into an M5 threaded hole using the captivated M5 bolt and another M5 component can be attached onto the female threaded hole.

12 grams



8. S-FIX Angled Adaptor - 135° Angle - M5 Thread

S-F8019

This Angled Adaptor allows for adjustable rotation at a 135º angle. The male end can be tightened into an M5 threaded hole using the captivated M5 bolt and another M5 component can be attached onto the female threaded hole.

10 grams



9. S-FIX Wera 4mm Hex Key

S-F10001

The Hex Key is used to attach the angled adaptors into M5-threaded holes.



10. S-FIX Tommy Bars for M5 Probes

S-F10004

Two Tommy Bars are used to affix the M5 probes and extensions. The S-F8012 Extension Set contains two Tommy Bars.



11. Beta Tools 42INOX 12mm Spanner

S-F10005

This Spanner is used for tightening the probe adaptor to 1¼" UNC threaded equipment.

M6 THREAD PROBES



S-FIX M5 Probe Adaptor - M6 Thread

S-F8020

This probe adaptor connects M5 based probes and extensions to M6 threaded Faro portable CMM arms.

26 grams



S-FIX 3mm Ruby Probe - M6 Thread

S-F8021

28 grams



S-FIX 6mm Ruby Probe - M6 Thread

S-F8022

28 grams



S-FIX Carbide Point Probe - M6 Thread

S-F8023

28 grams

Compatible with Faro portable CMM arms with a M6 thread.

THESE INCLUDE THE FOLLOWING POST-FEBRUARY 1998 ARMS:

Faro Sterling/Bronze Millennium Series

Faro Bronze

Faro Silver

Faro Gold



Beta Tools 42INOX 12mm Spanner

S-F10005

This 12 mm Spanner is used for tightening all M6 threaded probes to your Faroarm.

3/8” UNF THREAD PROBES



S-FIX M5 Probe Adaptor - 3/8” UNF Thread

S-F8024

This probe adaptor connects M5 based probes and extensions to 3/8” UNF threaded Faro portable CMM arms.

26 grams



S-FIX 3mm Ruby Probe -3/8” UNF Thread

S-F8025

28 grams



S-FIX 6mm Ruby Probe - 3/8” UNF Thread

S-F8026

28 grams



S-FIX Carbide Point Probe - 3/8” UNF Thread

S-F8027

28 grams



Beta Tools 42INOX ½” Spanner

S-F10006

This ½” Spanner is used for tightening all 3/8” UNF threaded probes to your Faroarm.

Compatible with Faro portable CMM arms with a 3/8” UNF thread.

THESE INCLUDE THE FOLLOWING PRE-FEBRUARY 1998 ARMS:

Faro Sterling

Faro Silver

Faro Gold

CALIBRATION & LEAPFROGGING

CALIBRATION SETS

Calibration of portable CMM's is important and necessary for obtaining accurate measurements. It can be undertaken using either a calibration cone or sphere. For use, these may be magnetically attached to a suitable surface using the included metal base or attached directly to another surface using the M8 thread on the underside. Please note that these products do not include a calibration certificate.



Conical Calibration Artefact Set

S-F9001

Calibration cones become worn and pitted with use causing inaccuracies in calibration. This stainless steel Conical Calibration Artefact is a direct replacement for the original provided with most CMM arms and is a harder wearing, longer lasting version which is easier to mount.



Magnetic 50mm Calibration Sphere Set

S-F9002

The 50mm Calibration sphere offers the easiest method a portable CMM probe, especially for nonstandard probes such as extended ones or point points. The larger size of this sphere further increases its ease of use. This calibration can be undertaken using the "Sphere method" offered by the CMM software, following the on-screen instructions and probing the sphere 15 times as specified with the arm in four different positions.

Sphericity: 2.5 µm

LEAPFROG SETS

Leapfrog sets allow you to move either the portable CMM arm or your measured object during a measurement while keeping the coordinate systems aligned to one another.
To use, simply place the magnetic points on a suitable surface, probe the points, make your necessary movements whilst staying in probing range of the points then probe these reference points again in the same order to complete the process. The leapfrogging sets come with a steel plate for storage.



Magnetic Leapfrog Point Set

S-F9003

Our Leapfrog Points offer a single-point probing location for leapfrogging applications. Each probing point is machined from 303 stainless steel and is laser engraved with dots from one to four to make remembering the probing order easy. The points are magnetic for ease and security of positioning.

Dimensions:
23 mm height
30 mm max diameter
20 mm magnet diameter
Magnet Pull: 13.2 kg



Magnetic Leapfrog Sphere Set

S-F9004

Our Leapfrog Spheres offer a multi-point probing location for leapfrogging applications. Each sphere is made from 316 stainless steel (grade 100). Each base plate is machined from 303 stainless steel and is laser engraved with dots from one to four to make remembering the probing order easy. The points are magnetic for ease and security of positioning.

Dimensions:
32 mm height
1" sphere diameter
20 mm magnet diameter
Magnet Pull: 13.2 kg

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