

## AMIGO PROBES

TSC have a wide range of probes available for use with the AMIGO ACFM Crack Microgauge. Our range of STANDARD PROBES operate at 5kHz and are suitable for a wide range of general purpose applications. Basic types are weld, mini pencil and micro pencil.

For applications requiring higher sensitivity, especially when used on non-magnetic materials, TSC offer a range of HIGH FREQUENCY PROBES. These operate at 50kHz and require an AMIGO with High Frequency Option fitted.

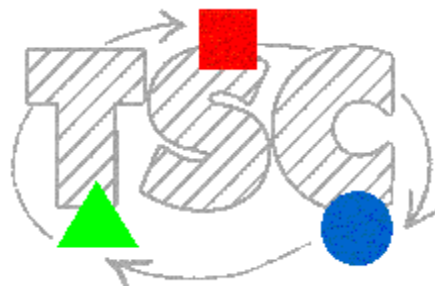
TSC have also developed a range of UNDERWATER PROBES. These are sealed for water depths of 50m and are characterised by an "electronics bulge" in the cable.

To aid choice of the correct probe, there is an easy to follow probe selection flow chart for the commonest types included in this datasheet. Other types are described below. TSC will also be pleased to advise on which probe to use for a particular job.

### STANDARD PROBES AND HIGH FREQUENCY PROBES

There are four basic configurations:

#### WELD PROBE





**STRAIGHT PENCIL**



**RIGHT ANGLED PENCIL**



**TRANSVERSE PENCIL**

The following table gives type numbers for the different configurations of STANDARD and HIGH FREQUENCY PROBES

**Standard Probes**

Weld	Type 256	<b>Pencils</b>	Straight	R/A	Transverse
		Mini	Type 250	Type 251	Type 252
		Micro	Type 255	Type 253	Type 254

**High Frequency Probes**

Weld	Type 257	<b>Pencils</b>	Straight	R/A	Transverse
		Micro	Type 263	Type 261	Type 262

**CABLE LENGTH**

All STANDARD and HIGH FREQUENCY PROBES are with 5m cable length as standard. Cable lengths up to 50m are available on special orders.

**UNDERWATER PROBES**

Underwater probes are available with cable lengths up to 50m, length to be specified on ordering.



**WELD PROBE TYPE 293**



**GRIND PENCIL PROBE TYPE 303**



**RIGHT ANGLE MINI PENCIL TYPE 337**

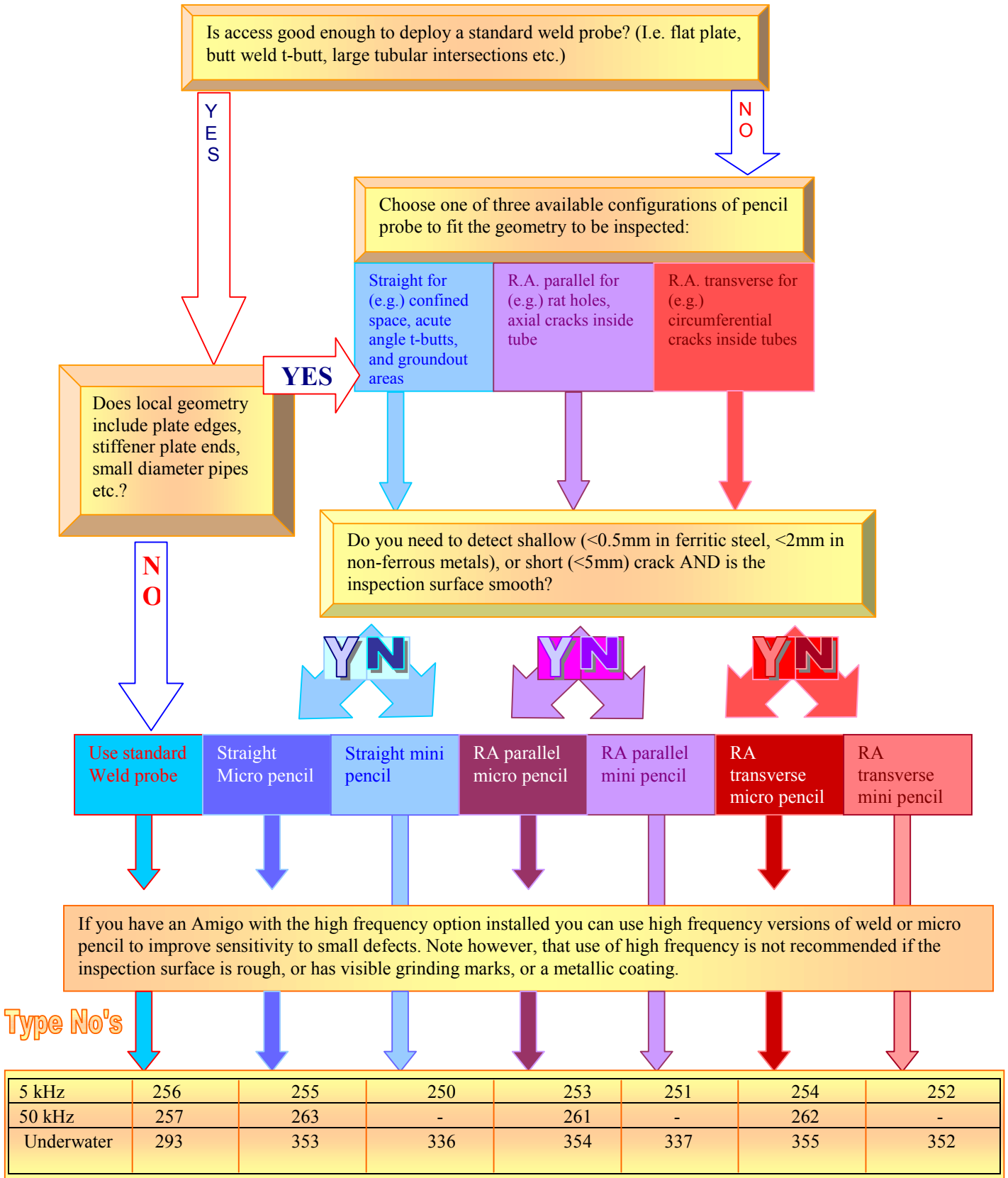


**STRAIGHT MICRO PENCIL TYPE 353**

**Underwater Probes**

Weld	Type 293	<b>Pencils</b>	Straight	R/A	Transverse
		Mini	Type 336	Type 337	Type 352
		Micro	Type 353	Type 354	Type 355
Tight Access	Type 312				
Grind Pencil	Type 303				

**SUMMARY OF UNDERWATER PROBES AVAILABLE FOR USE WITH AMIGO**



FLOWCHART SELECTION OF COMMON AMIGO PROBE TYPES

## SPECIAL PROBES

TSC can produce customised probes to suit particular applications. The following is an example of a long nose pencil probe, designed to suit a customer's specific requirements. This probe was used to conduct inspections in a shaft keyway.

Please contact TSC if you have an application that can benefit from a special probe.



SPECIAL PROBE FOR KEYWAY INSPECTION

### TSC INSPECTION SYSTEMS

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UNITED KINGDOM

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***Please Note: As part of its continuing programme of product improvement, TSC reserve the right to alter specifications without prior notice.***