

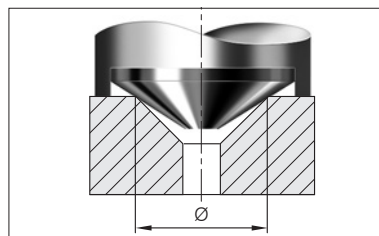


## Not only for the Aerospace Industry...

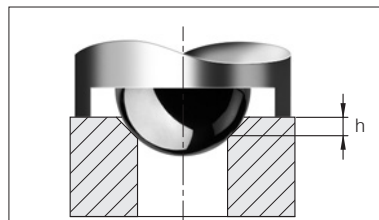
Based on the extensive experience in the Aerospace Industry, TESTAR has developed its line of hand gauges to measure Rivet & Fastener Bore Characteristics. Size, depth and angle can be measured. The line includes both Countersink Diameter Gauge and a Countersink Depth Gauge. These two gauges will measure the countersink maximum diameter and the depth of the countersink and when using Marpos Electronics, display the angle of the countersink.

### PRINCIPLE

The countersink gauge with a conical plunger will measure the maximum diameter (the breakout diameter) of the countersink bore by locating on the surface edge.



The countersink depth gauge with spherical plunger will measure the depth of the taper (bottom of the countersink).



### TECHNICAL DATA

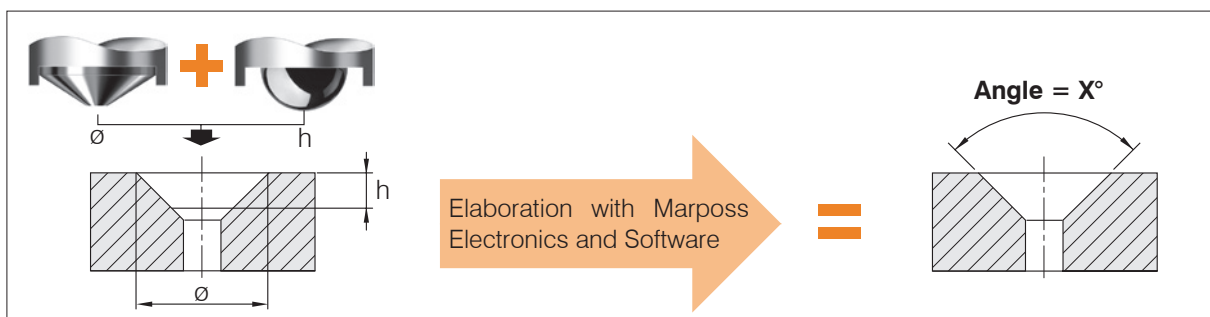
A series of plungers and depth stops are available in order to guarantee:

- Measurement of standard rivets designs for Aero Structures.
- Simple, fast retooling

The Countersink Gauges are available in the following versions:

- With programmable standard Quick Digit for cable or Wireless transmission,
- with cable
- wireless

From these two measurements it is possible to obtain the angle of the countersink.



## TECHNICAL CHARACTERISTICS

Description	Value	Note
Application range	0,16"-1" / 4-25,4mm	Maximum Diameter of the tapered bore
Repeatability	$\leq 1 \mu\text{m}$	2,77 $\sigma$ on master
Thermal Drift	$\leq 0.25 \mu\text{m}/^\circ\text{C}$	

## KIT FOR THE MEASUREMENT OF THE BREAKOUT DIAMETER

Measuring kits are available. They're composed of:

- Countersink Diameter Gauge with conical plunger (Please refer to the following table);
- Special depth stop;
- Setting master;
- Quick Digit for cable or Wireless transmission;
- Case.

The Quick Digit for cable or Quick Digit for wireless transmission is zero set at the factory and ready to use. Master's and Quick Digit's certificates are included.

Countersink Taper	Measurable CSK $\varnothing$ Range	Plunger Taper	Depth stop external diameter	ORDER CODE Kit With Quick Digit for cable transmission	ORDER CODE Kit With Quick Digit for wireless transmission
100°	0,16" $\div$ 1"	104°	33,5 mm	PSACD00900	PSACD01000
100°	0,16" $\div$ 0,36"	104°	25 mm	PSACD00901	PSACD01001
100°	0,36" $\div$ 0,56"	104°	25 mm	PSACD00902	PSACD01002
100°	0,56" $\div$ 0,76"	104°	27 mm	PSACD00903	PSACD01003
100°	0,76" $\div$ 1"	104°	33,5 mm	PSACD00904	PSACD01004



## DEDICATED SOLUTIONS

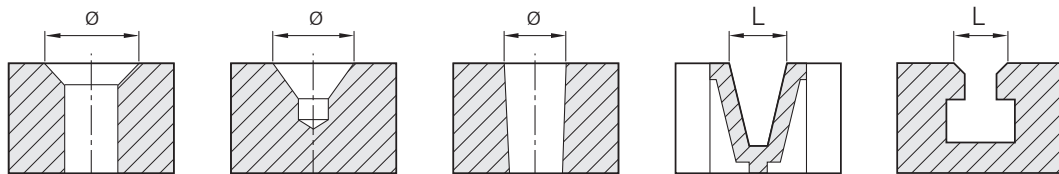
Similar kits are available on request:

- Countersink Diameter Gauge with customised taper
- Countersink Depth Gauge, with spherical plunger of a specific diameter
- Countersink Gauge with Mini I-Wave Handle

They are suitable for application in any industrial sector.



## APPLICATION EXAMPLES



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

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