



BOWERS

Groove Gauging Sets



BOWERS GROUP

Groove Gauging Sets

At a Glance

Standard sets available to cover diameters 6 – 100mm (1/4" – 4")

 Bluetooth

With free data collection App

 IP67

sealed

Standard XT Groove Set Features

- Generic sets available, 6-20mm, 20-50mm & 50-100mm (imperial equivalent available)
- Generic anvil profile suits common groove sizes – see table
- 3 point, self-centring, interchangeable heads for repeatability
- 0.001mm 0.00005" resolution
- Depth stops included
- Extensions available
- Setting rings with UKAS certificates included

Visit our Website

For more information please click here



SP-SXTH5M-BT-GRO



Have you seen our video
The New XT Groove Sets

Groove Gauging Sets

APPLICATION GAUGING

Bowers XT Precision Groove Diameter Measurement

Bowers XT3 digital internal micrometers offer a new ergonomic design - including a larger and clearer LCD display - along with IP67 electronics protection, proximity output with built-in Bluetooth; both allow bi-directional communication giving greater flexibility for data acquisition and storage.

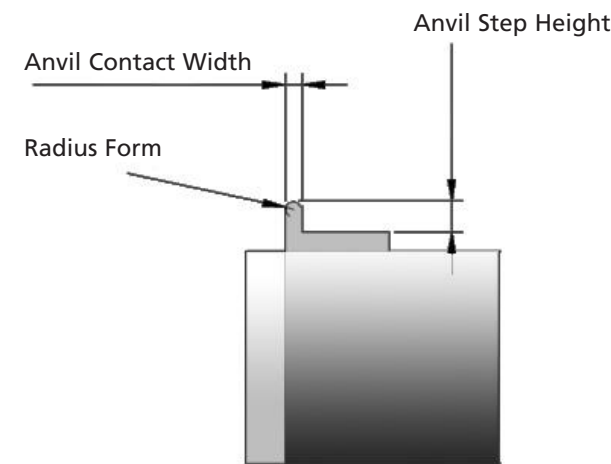
The XT Groove Sets are based on the standard self-aligning 3-point XT head design but with a stepped anvil to allow entry into grooved for fast and repeatable groove diameter measurement. The gauge is set using the calibrated setting rings provided and each ring size is stored in the gauge memory enabling quick and easy setting with each head change.

The trigger action pistol-grip controller enables the operator to retract the anvils instantly and pass the gauge through the entry diameter, then extend the anvils to engage with the groove diameter for an immediate absolute measurement.

Other versions of the standard XT head are also available for internal threads, splines, slots, deep hole and many more applications.

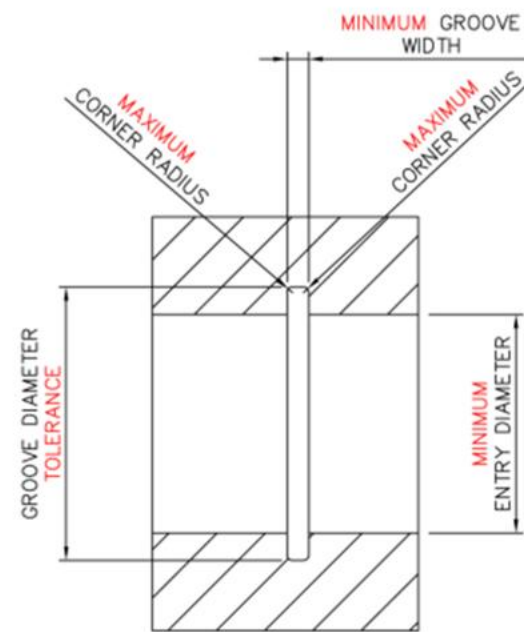
Groove Gauging Sets

Standard Groove Anvil Detail



- Minimum entry diameter: 0.3mm / 0.012" below minimum measuring range of each head

Custom Groove Set



- If our generic groove anvil profile is not suitable for your application, please provide us with these 4 dimensions for a specific offer.
- We will design a bespoke head that will fit your specific application.

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Groove Gauging Sets

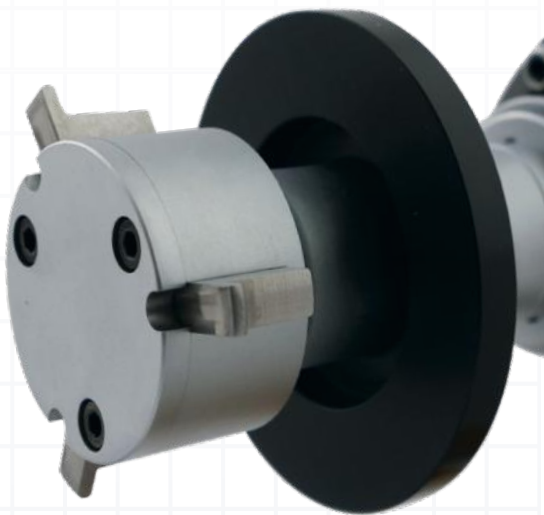
APPLICATION GAUGING

XT Holematic Groove Sets

Code No	Set Range	Included Heads	Anvil Step Height	Anvil Contact Width	Depth Stop OD	Setting Ring Sizes
SP-SXTH10M-BT-GRO	6-20mm	6-8mm	1.25mm	1.5mm	18mm	8mm
		8-10mm	1.25mm	1.5mm	20mm	
		10-12.5mm	1.5mm	1.5mm	22mm	12.5mm
		12.5-16mm	2.0mm	1.5mm	26mm	
SP-SXTH10I-BT-GRO	1/4" - 3/4"	16-20mm	2.5mm	1.5mm	33mm	20mm
		1/4" - 5/16"	0.049"	0.059"	0.709"	5/16"
		5/16" - 3/8"	0.049"	0.059"	0.787"	
		3/8" - 1/2"	0.059"	0.059"	0.866"	1/2"
SP-SXTH5M-BT-GRO	20-50mm	1/2" - 5/8"	0.079"	0.059"	1.024"	
		5/8" - 3/4"	0.098"	0.059"	1.299"	3/4"
		20-25mm	3.175mm	2mm	39mm	20mm
		25-35mm	5.5mm	2mm	45mm	35mm
SP-SXTH5I-BT-GRO	3/4" - 2"	35-50mm	4mm	2mm	60mm	
		3/4" - 1"	0.108"	0.079"	1.535"	3/4"
		1" - 1 3/8"	0.217"	0.079"	1.772"	1 3/8"
SP-SXTH6M-BT-GRO	50-100mm	1 3/8" - 2"	0.157"	0.079"	2.362"	
		50-65mm	8mm	3mm	80mm	65mm
		65-80mm	8mm	3mm	95mm	80mm
SP-SXTH6I-BT-GRO	2" - 4"	80-100mm	10.5mm	3mm	115mm	
		2" - 2 5/8"	0.315"	0.118"	3.150"	2 5/8"
		2 5/8" - 3 1/4"	0.315"	0.118"	3.740"	3 1/4"
		3 1/4" - 4"	0.413"	0.118"	4.528"	

Individual Heads

Code No (with BT)	Range (mm)	Code No (with BT)	Range (inch)
XTHD6M-GRO	6-8	XTHD6I-GRO	1/4 - 5/16
XTHD8M-GRO	8-10	XTHD8I-GRO	5/16 - 3/8
XTHD10M-GRO	10-12.5	XTHD10I-GRO	3/8 - 1/2
XTHD12M-GRO	12.5-16	XTHD12I-GRO	1/2 - 5/8
XTHD16M-GRO	16-20	XTHD16I-GRO	5/8 - 3/4
XTHD20M-GRO	20-25	XTHD20I-GRO	3/4 - 1
XTHD25M-GRO	25-35	XTHD25I-GRO	1 - 1 3/8
XTHD35M-GRO	35-50	XTHD35I-GRO	1 3/8 - 2
XTHD50M-GRO	50-65	XTHD50I-GRO	2 - 2 5/8
XTHD65M-GRO	65-80	XTHD65I-GRO	2 5/8 - 3 1/4
XTHD80M-GRO	80-100	XTHD80I-GRO	3 1/4 - 4



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APPLICATION GAUGING

Data Transmission

Code No	Description
30-926-6721	Sylvac Proximity USB Cable
30-981-7100	USB Dongle BT Smart for PC/D300S/D400S



The Sylvac Smart and Sylvac Anywhere apps allows communication with Bowers Bluetooth Android 8.0 IOS 10 Bluetooth 4.0 required

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