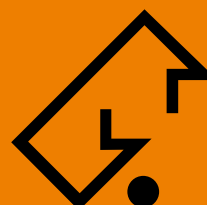


PRODUCT OVERVIEW

Universal Tilting Dividing Unit TSH



WERKZEUGSYSTEME
MÜLLER GMBH
HOFMANN
MESS- UND TEILTECHNIK

Precision made in Germany

Technical data of universal tilting dividing unit TSH

Main characteristics

The dividing unit **TSH-100** can be universally used on engraving, milling, grinding or drilling machines to cut polygonal surfaces or pitch circles. The clamped dividing spindle can be divided by worm gear, direct dividing or 360 deg. freely by hand. The dividing unit can be swivelled and clamped in any position between 0 and 90 deg. Therefore, the work piece can be brought into every position.

The indexing accuracy achievable is $\pm 2'$.



Dividing possibilities

- **Indirect dividing**
by worm gear with a transmission ratio of $i=60:1$ with hand wheel and micrometer dial.
- **Direct dividing**
by locking bolts and notching disk with sixty notches for the numbers of division 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60.
- **Direct dividing**
by graduation scale with vernier on the dividing spindle.
- **Swivelling**
The swivelling movement of the dividing spindle housing is carried out freely by hand. The adjustment with zero mark is carried out on the graduation scale of the swivelling bearing.

Accuracies

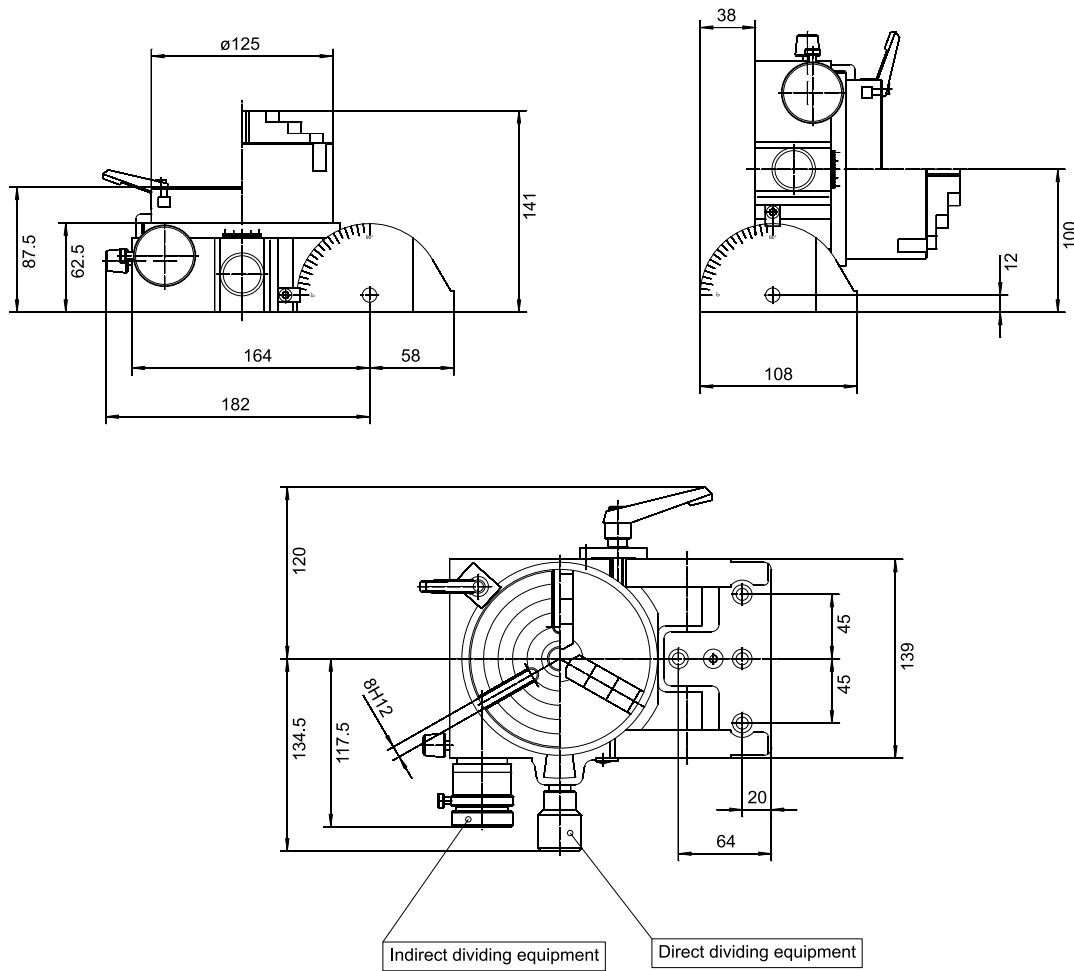
Size		TSH-100
Indexing accuracy	(min)	± 2
Accuracy of reading of the micrometer dial	(min)	10
Accuracy of reading of the swivel axis	(°)	1
Concentricity of the dividing spindle	(mm)	0.015
Run-out accuracy of the dividing spindle	(mm)	0.015
Parallelism of the dividing spindle to base area	(mm)	0.02
Weight	(kg)	10

Load and performance data

Size		TSH-100
Load capacity for horizontal axis max.	(kg)	10
Load capacity for horizontal axis with tailstock max.	(kg)	20
Load capacity for vertical axis max.	(kg)	20
Axial force max.	(kN)	3
Radial force max.	(kN)	1
Tilting moment	(Nm)	30
Tilting moment indexing spindle clamped	(Nm)	80



Dimensions



Accessories



Three-/four jaw chucks $\phi 125$ mm



Face plate with 3 T-slots $\phi 125$ mm



Fixed tailstock, centre height 100 mm



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