



Worms & Wheels

0.5 Module

General Information

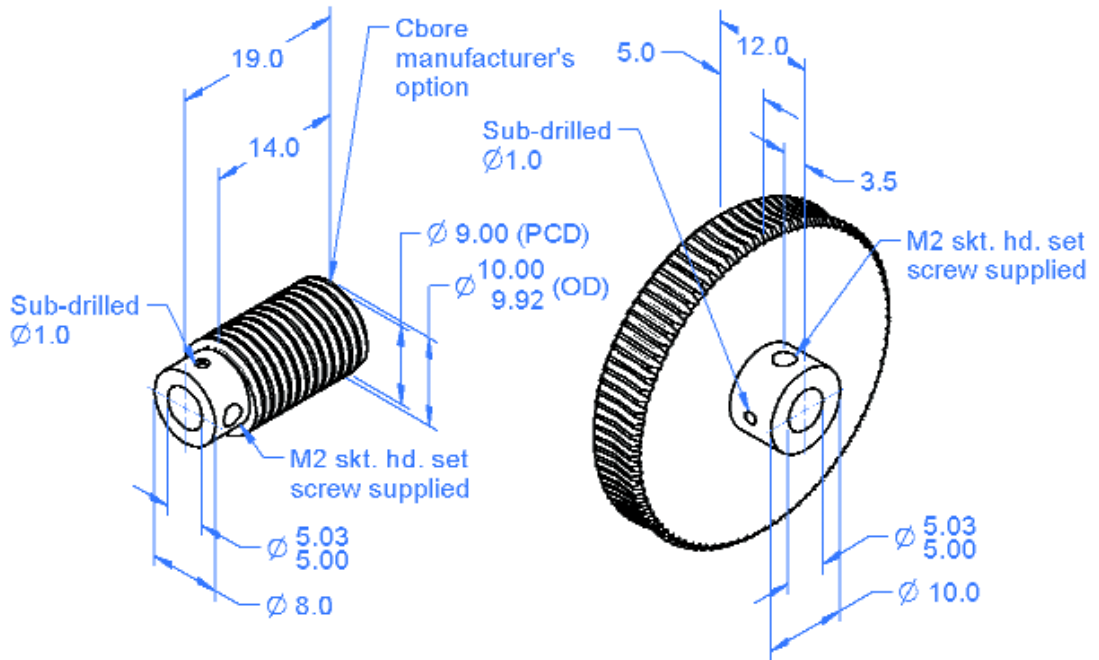
All dimensions in mm
 General tolerances:
 ±0.5mm
 Material:
 Stainless steel
 (DIN 1.4305) worm.
 Brass (Naval
 QQ-B-637) wheels.

Pressure angle 14.5°
 Right hand.

Associated Products

Shafts
 Bearings

Visit our online
 catalogue for
 associated products at:
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Part number & drawing dimension table

Worm		Wormwheel		
Lead Angle	3° 10'	Part Number	Number of Teeth	Pitch Diameter
Lead	1.571	WFB83-S30	30	15.00
P.A.	14.5°	WFB83-S40	40	20.00
Part Number	WFS-5S	WFB83-S50	50	25.00
		WFB83-S60	60	30.00
		WFB83-S70	70	35.00
		WFB83-S80	80	40.00
		WFB83-S90	90	45.00
		WFB83-S100	100	50.00
		WFB83-S120	120	60.00

- Accuracy AQ10 - see page 56.
- Material and treatment specifications - see page 59.
- See page 45 for worm gear formulae.

Non-standard options, please enquire....

- Higher accuracies.
- Anti-backlash.

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Ratio (R) = $\frac{\text{No. of teeth on wormwheel (T)}}{\text{No. of starts on worm (t)}}$

Centre Distance (CD) = $\frac{\text{PCD worm}}{2} + \frac{\text{PCD wheel}}{2}$

Lead (L) = The axial distance by which a thread advances in one revolution = $\pi \times t \times m$

Where m (metric) = Axial module

m (imperial) = $\frac{1}{\text{DP}}$

Actual outside diameter of worm $\text{OD}_w = \text{PCD} + (2 \times m)$

Typical outside diameter of wormwheel $\text{OD}_{ww} = \text{PCD} + (3 \times m)$

