

# Z-LOCK

## SHAFT LOCKING ASSEMBLIES

### Z2, Z5, Z6 & Z8

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#### Shaft and Hub machining detail

Surface Finish for hub and bore:	Rt ≤16μ
Tolerances:	Z5, Z6 & Z8: Shaft h8 / Bore H8 Z2: Shaft from h11 to k11 / Bore from H11 to N11

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#### Hub Diameters

Locking assembly transmissible torques are based on minimum hub diameter requirements being adhered to. Minimum hub diameters are determined by hub material. The hub minimum diameters indicated in this publication represent hub material yield point in N/mm<sup>2</sup> (σ<sub>0.2</sub>).

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#### Coefficients of Friction

Locking assemblies are supplied in a lightly oiled condition. Assemble with this oil coating in place.

Locking Assembly	μ = 0.12
Screws:	μ = 0.14

NB: Lubricants containing Molybdenum disulphide or other extreme pressure additives must **not** be used.

Used locking assemblies should be cleaned and lightly re-oiled before re-assembly.

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#### Screws

Locking assemblies are fitted with DIN 912 Grade 12.9 screws. At original assembly, the tightening torques shown in this publication should be used. When re-fitting a used locking assembly, reduced tightening torques should be used. Please contact the supplier for reduced torque figures. Screws are to be tightened up to the nominated tightening torque  $M_a$ , in a crosswise pattern several times. Ensure that screws either side of the slots are tightened one after the other. Follow assembly instructions given in this publication.

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#### ZSD SHRINK DISCS

Tolerances: Shafts up to & incl dw 150mm	h6
Shafts above dw 150mm	g6
Hub bore	H7
Hub outside diameter	f7

Follow assembly instructions given in this publication.

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