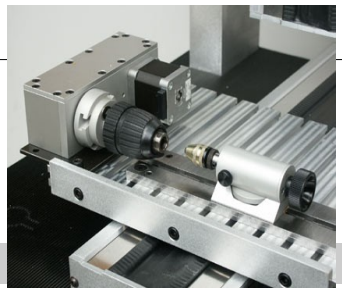

Turning units

Technical data

General data	KSZD21/31 Small	KSZD22/32 Large
Date: August 2007		
Max. distance between the centers (X-direction)	200 mm	140 mm
Distance between the centers (with three-jaw chuck)	-	100 mm
Sleeve distance	30 mm	30 mm
max. workpiece diameter	40 mm	80 mm
Workpiece clearing without chuck	10 mm	18 mm
Speed, rpm in 250 steps	1-200/400	1-400/600
Smallest step angle	0,3 °/0,075°	0,3 °/0,075°
Torque with 250 revs/min	approx.20 Ncm	Approx. 50 Ncm
Drive	Steppingmotor	Steppingmotor
Gear	1:3	1:3
Max. span of the collet	13 mm	30 mm / 50 mm
Rundlaufgenauigkeit	kl. 0,1 mm	kl. 0,02 mm
Contents of Delivery		
Zero-indicator	Yes	Yes
El. magnetic brake	No	Yes
Turning plate with grooves	Yes	no, centralizing device
Three-jaws chuck	Chuck	Chuck, 74 mm, inversible jaws
Chuck system with precision chuck a. and plain bearing nut	No	yes, for chucks after DIN 6499 / size 25,
Chucks included	No	3 clamps: 3 , 8, 10 mm
Rundlaufgenauigkeit mit Bohrfutter, bzw. Spannz.	<0,5mm	< 0,015 mm
Tailstock	Yes	Yes
Polished ground plate	Yes	Yes
Sleeves	Yes	Yes
4 mm chuck	Yes	Yes
Following centre point	Yes	Yes
CAD Software functions since version 4 integratef in nc and nccad	Yes	Yes
Teachware (manual, aids for learning and examples)	Yes	Yes