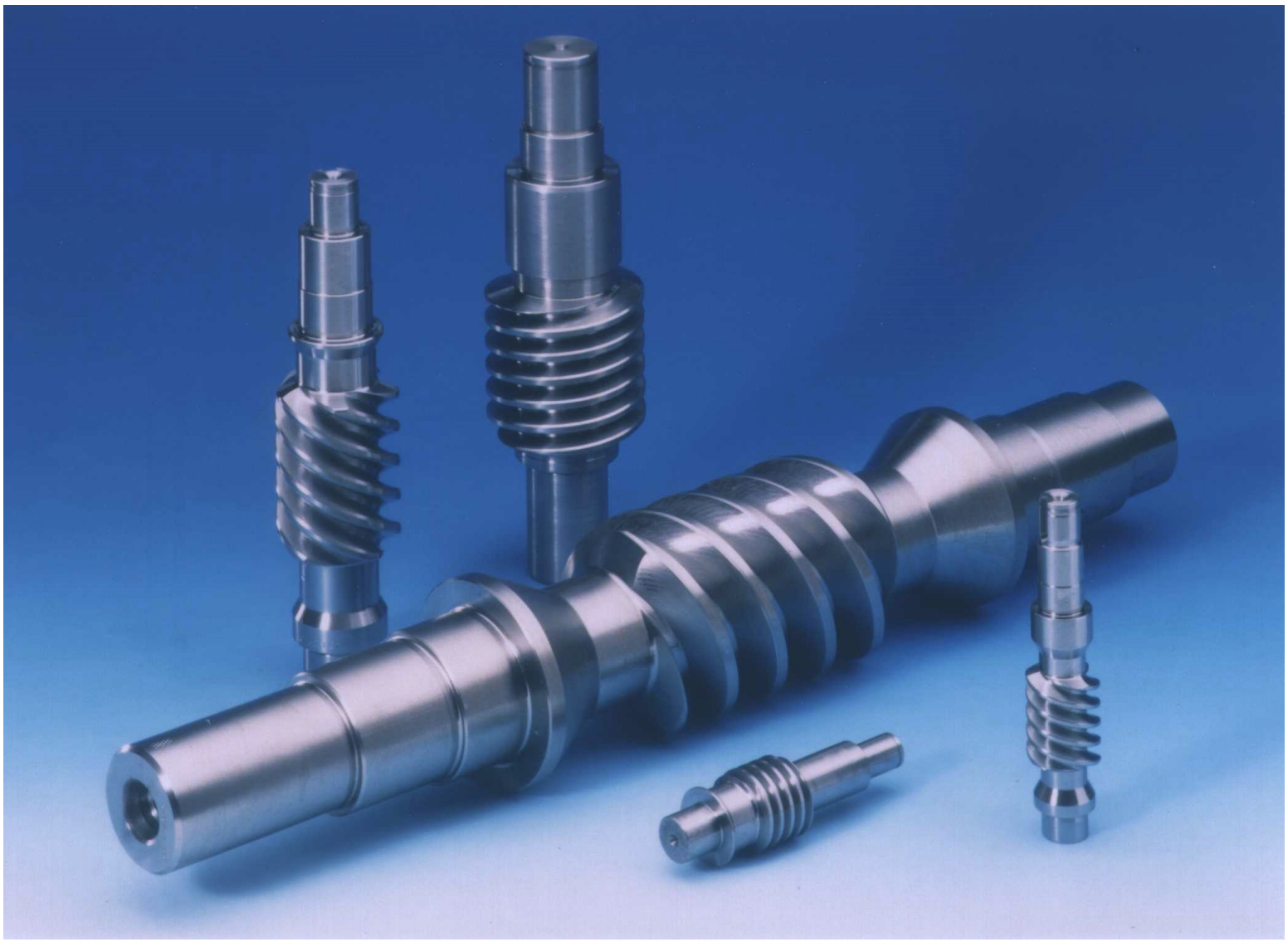
WORM GEARS



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WORM GEARS

LWN 90

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B. Technical data

Axes data	
X1 axis (radial adjustment)	+10 / -25 mm
Z1 axis (longitudinal axis machining unit)	365 mm
Z3 axis (tailstock axis)	450 mm
C axis speed (workpiece rotation)	0 – 150 rpm.
A-Axis (Swivelling angle of whirling unit)	0° / +22°

Technical data	
Dimension of machine without chip conveyor	2.600 mm x 2.250 mm x 2.300 mm(LxTxH)-
Weight	about 4.900 kgs
Color	RAL 7035 and RAL 5005 (door)
Environment conditions	
Temperature	5 – 40 °C 20 – 23 °C ± 1,5 K/24h for machine accuracy
Air humidity	20 - 75 %
Installation height	max. 1000 m above sea level

AWS 90	
Drive	Spindle motor and synchronous belt transmission
max. hollow shaft bore	90 mm (without tools)
max. cutting circle diameter	60 mm
Swivelling angle	0° / +22°
Speed range	4000 rpm.
Cooling	Air cooling
Lubrication	lifetime lubrication

WORM GEARS

Chip conveyor	
Type	Scraper conveyor
Ejection height	700 mm

Hydraulics	
max. system pressure	70 bars
Tank volume	23 l
Hydraulic oil	HPL ISO-VG 46
Power supply	
Voltage	400 VAC + PE ± 10 % TN-C network configuration, if available TN-S-network configuration with neutral conductor
Frequency	50/60 cycles ± 5 %
Fuse protection	70 A
Connected load (Special voltages are optionally possible)	45 kVA
Pneumatic connection	
min. system pressure	4,5 bar
Required air volume	900 l / min.
Air quality	Quality grades acc. to ISO 8573.1 Solid material: grade 6 Oil content: grade 4 Dew point: grade 4

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