

# teco – werkzeugmaschinen gmbh & co kg

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(Preliminary and incomplete description)

Subject to prior sale and our delivery conditions we can offer:

Stock No.: 6666

**11 OERLIKON gear hobbing machines**  
**1963-1972, 1978 geometrically rebuilt**

**4 machines for spiral bevel gears, Model SKM 1**

**2 machines for pinions, Model SKM 1**

**3 lappers, Model SKL**

**2 testers, Model SKT 1**

The SKM serves the manufacture of spiral bevel gears and pinions used in the automobile industry (cars, small trucks and tractors) and the machine building industry. Roughing and finishing is done in one setting.

The cutter heads are supplied with a great number of inlets to guarantee high efficiency and quality. The machine works according to the hobbing method. Gear calculations and also corrections of tooth finish are easy to be made.

### Technical datas SKM 1:

#### Working range

Max. gear dia. At mean spiral angle of 30°	320 mm
Module range	2,1 – 7,5
Max. transmission ratio appr.	1 : 9,5
Max. tooth width appr.	50 mm
Outer cone distance	170 mm
Distance cone centre/cutter head axis	25 – 150 mm
Distance cone/cutter head spindle shoulder	80 – 220 mm
Distance cone/workpiece spindle shoulder	100 – 345 mm

#### Cutter spindle

Spindle nose with short taper, OERLIKON standard	1 : 4
Spindle speeds in standardised steps	40 – 250 U/min

#### Work spindle

Spindle nose with short taper, outside	1 : 4
Spindle nose with short taper, inside	85 – H6
Spindle nose with short taper, outside dia.	140 mm
Spindle bore, continuous dia.	78 mm
Chucking device	mech.-hydr.
Swing around the machine centre axis	83°
Adjustment range for hypoid gears (offset)	+/- 60 mm

#### Feeds

Plunge-cut travel	20 mm
Plunge-cut feeds, stepless	0,04 – 25 mm/min
Rapid travel	1,5 m/min
Roll cradle feeds in minutes of angle per cutter head revolution	0,3 → 20

#### Electrical equipment

Overall rated load	13 kW
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#### Motors

Main motor	10 PS
Hydraulic motor	2 PS
Rapid travel motor	2 PS
Coolant pump motor	1,2 PS
Template motor	0,6 PS
Motor for chip conveyer	0,3 PS

#### Floor space and weight

Required floor space, incl. control cabinet and chip conveyer	3,4 x 2,2 x 2,1 m
Net machine weight appr.	6,8 t

#### Package price:

€ \_\_\_\_\_,-

ex our warehouse, unpacked, uninsured, f.o.t.

The machines are complete and with quite some accessories. Today's new price of the CNC controlled SKM 1 succeder model amount to approximate € 500.000,-

teco-werkzeugmaschinen GmbH & Co KG

Errors on dimensions, accessories and technical datas excepted !