

MACHINE-DATA

Machinetype : Bevel Gear Lapping Machine
Make : KLINGELNBERG
Type : LKR 400 A 100
Year : 1974
Control type :
Control :
Storage location : Metzingen
Origin : Germany
Delivery time : immediately
Quotation : ex Warehouse
Price : on request



TECHNICAL DATA

max. wheel diameter	400 mm
gear width	NA mm
max. module	1
min. module	10
total power requirement	12 kW
weight of the machine ca.	4,2 t

TECHNICAL DESCRIPTION

KLINGELNBERG (Germany)
Automatic Bevel Gear Lapping Machine
Model LKR 400 A 100 Year 1974/1998 Serial No. 1890
Partially reconditioned and electrically modernized in 1998 by
Welter Company

Max. Ø of crown gear 400 mm
Adjustment of pinion spindle 160 / 250 mm
Adjustment of crown gear spindle 115 / 265 mm

Additional movements:
Axial / distance / vertical, approx. + / - 2 mm
Automatic tooth clearance 0 - 0.6 mm
Module 1 - 10
Axial offset, up / down, each 50 mm
(= axial offset travel from middle position)

Bore hole of driving spindle 100 taper

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LKR 400 A 100
Stock no. :1049-490759



Bore hole of driven spindle 60 taper
6 spindle speeds 900 - 1,800 rpm

Total electrical load 12 kW - 380 V - 50 Hz
Weight 4,200 kg

Accessories / Special Features

- * Hydraulic workpiece clamping for both spindles.
- * Automatic lapping process. Following function can be preset: Clockwise / anticlockwise movement, lapping torque, pulling and pushing movement, 4 lapping programs, etc.
- * Protective hood for crown gears with a diameter up to 400 mm, with automatic closing mechanism.
- * Separate switch cabinet. * Separate hydraulic unit, etc.

Price, ex stock EUR 29,500.--

The lapping process employed by this machine greatly improves the running performance of bevel gear pairs. Pinions and gears are meshed by up to three additional movements (axial, radial and vertical) which are controlled by cams. Tooth flanks are smoothed with the help of lapping medium, and contact patterns are corrected as necessary.

VIDEO-LINKS

WEB-LINK

https://lagermaschinen.de/maschinen-datenblatt/Bevel_Gear_Lapping_Machine/KLINGELNBERG/LKR_400_A_100/1049-490759

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MACHINE PICTURES

