

MAAG SP-60 Lead and Involute Gear Testing Machine

TEMPORARY TECHNICAL SPECIFICATIONS AS PER CATALOGUE:

Minimum/maximum, adjustable base circle diameter... 20/600 mm
Maximum tip circle diameter... 650 mm
Minimum tooth size... 0.5 Mod, 50 DP
Maximum tooth size... 20 Mod, 1.25 DP
Helix angle, measurable... 0-60 degrees
Maximum face width-at helix angle of 0 degrees... 150 mm
Maximum face width-at helix angle 60 degrees... 75 mm
Maximum shaft diameter for pinions between centers.. 370 mm
Minimum/maximum shaft diameter for steady... 100/200 mm
Maximum pinion length, using vertical support... 750 mm
Maximum pinion length, using special top center housing... 600 mm
Minimum pinion length, using vertical support... 170 mm
Minimum pinion length, using special top housing.. 20 mm
Maximum travel of generating slide... 400 mm
Maximum travel of vertical slide... 150 mm
Adjustability of pick-up slide... 250 mm
Total scanning height... 400 mm
Error magnification of recorder unit with pick-up... 250, 500, 1000, 2000
Read-off accuracy for base circle... 0.001 mm
Read-off accuracy for helix angle... 1 sec
Maximum permissible weight of gear.. 500 kg
Mains rating... 300 VA

DIMENSIONS:

Overall length of machine... 1880 mm
Overall width of machine.... 1310 mm
Overall height of machine with vertical support.. 1970 mm
Net weight of machine, approximate... 1500 kg
Weight of vertical support.. 110 kg

INSTRUMENT DATA:

Slide stroke frequency, maximum.... 40/min.
Magnification of chart... 250, 500, 1000, 2000
Chart paper width... 120mm (4.7")
Electrical power rating... 300 VA