



BITZER SERVICE CENTER EQUIPMENT

A dry, clean and lockable work shop must be provided for the Service Center. The room must meet Bitzer standards and will be inspected before approval. The following equipment must be provided at least.

1. Standard Tools

- socket wrench set (ratchet spanner, sockets)
- ring spanner
- open-end spanner
- Allan key set
- sickle spanner
- screw driver (slotted, cross-tip)
- various nippers
- rubber mallet, plastic tip hammer

2. Special Tools

- gear withdrawer (single armed, double armed)
- bolt drawer
- piston ring clamp
- dynamometric key
- roller bearing inner raceway withdrawer
- gas welding torch

3. Devices/Machines

- hydraulic press
- overhead crane/lifting jacks
- simple honing machine for cylinder machining
- vacuum pump
- compressor test stand

4. Measuring Instruments

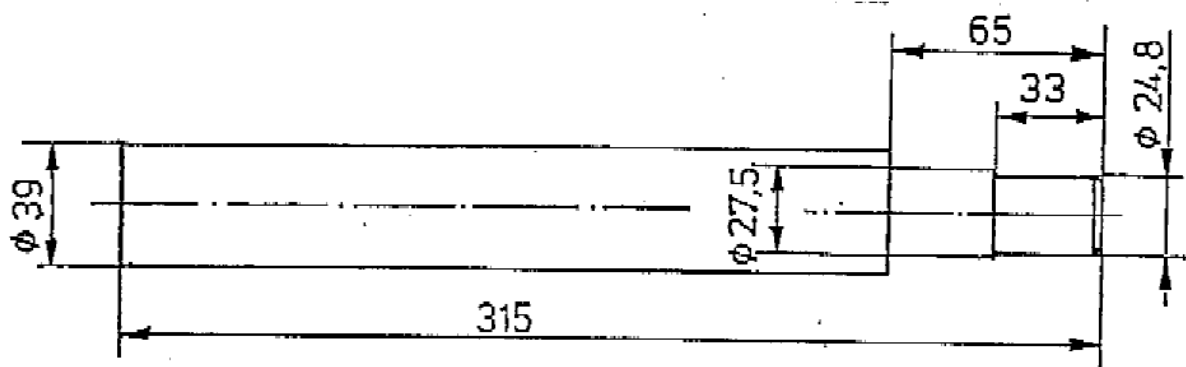
- high voltage test instrument, 1800-2300 V, 50/60 Hz, 500 VA
- leak rate and humidity measuring device
- insulation resistance measuring device, 500 V DC

5. Special Purpose Tools

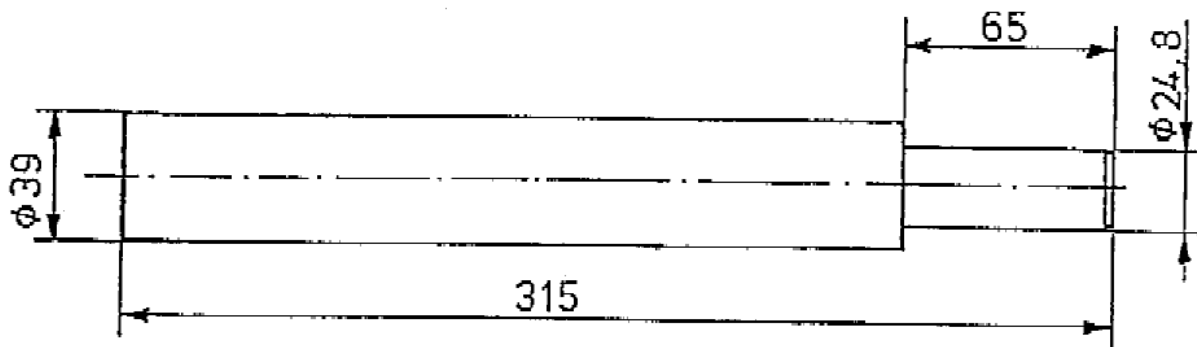
- for reciprocating compressors (see attachment):
 - tools for fitting and removing bearing bushes
 - tools for stator extraction
- for screw compressors:
 - magnetic support
 - micrometer dial gauge

ATTACHEMENTS

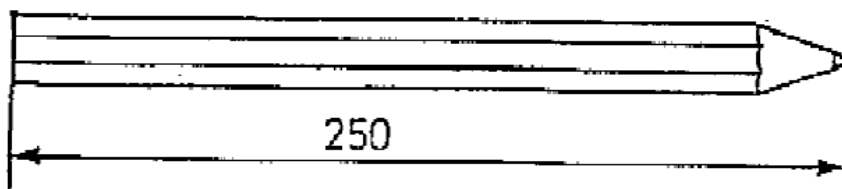
A) Jig for fitting bearing bush "motor side"



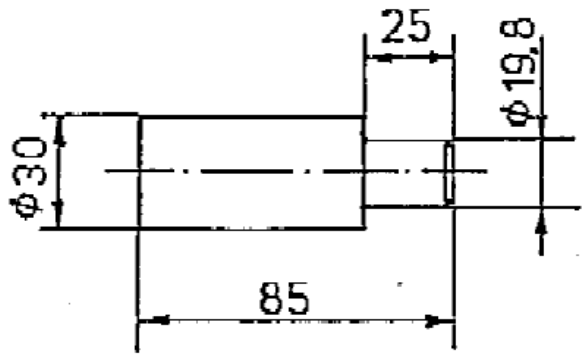
B) Jig for fitting bearing bush and thrust washer "crankcase side"



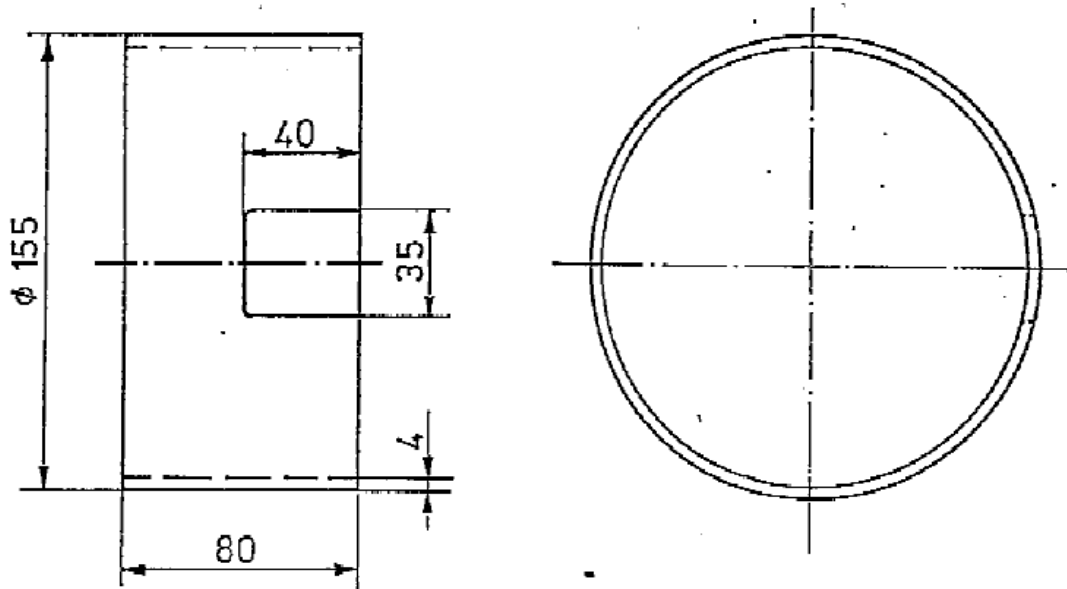
C) Centre punch



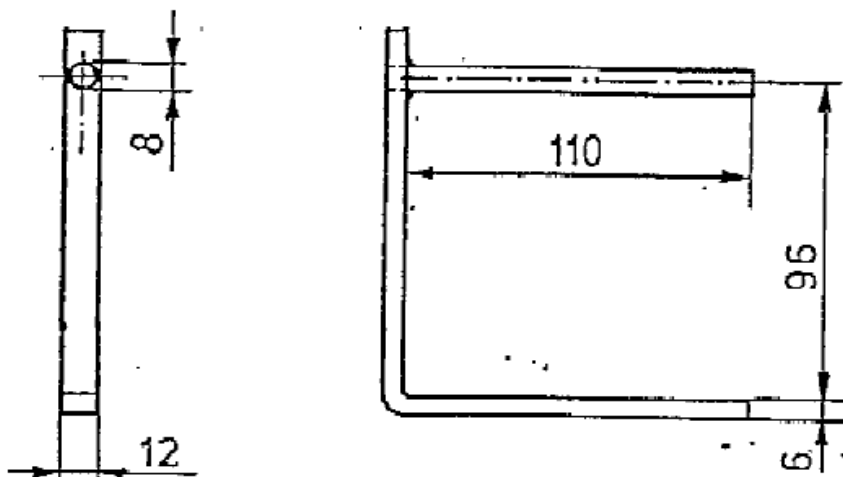
D) Jig for fitting bearing bush "bearing cover"



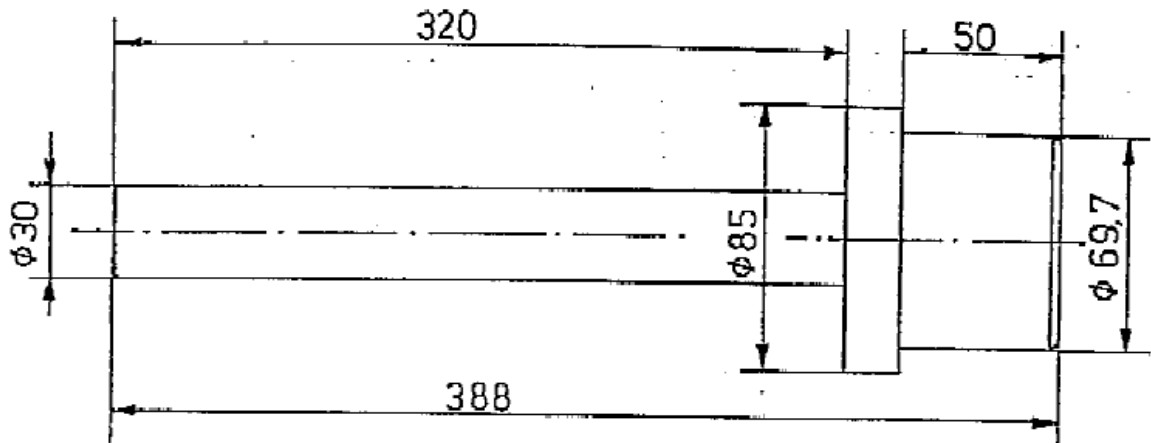
E) Jig for fitting of stator



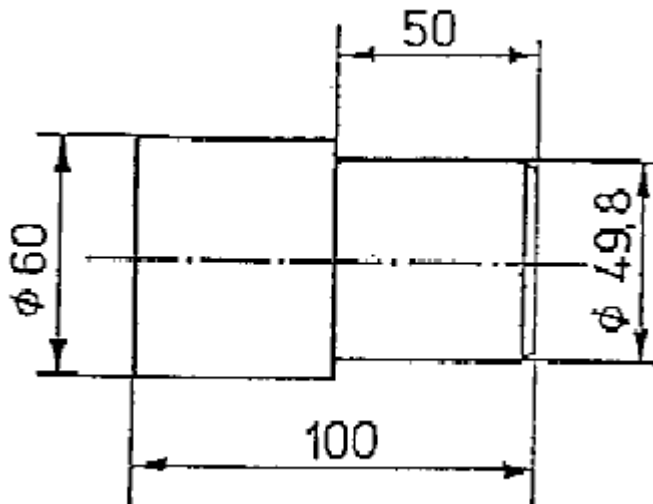
F) Jig for locking of rotor



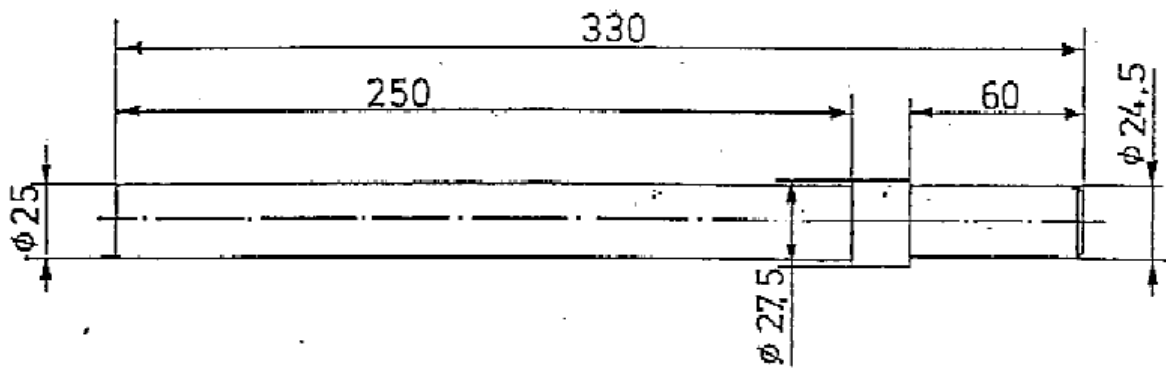
G) Jig for fitting bearing bush "main bearing"



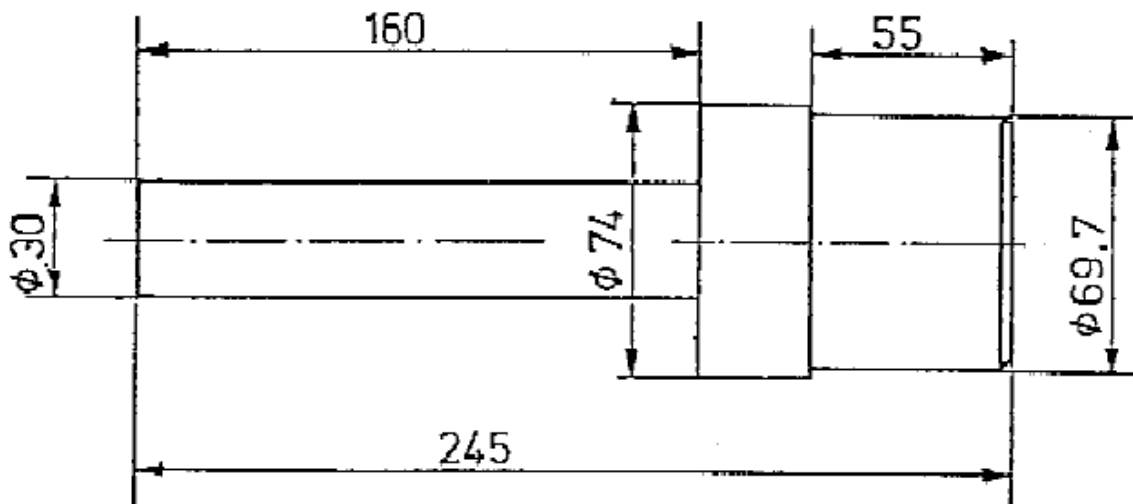
H) Jig for fitting bearing bush "bearing cover"



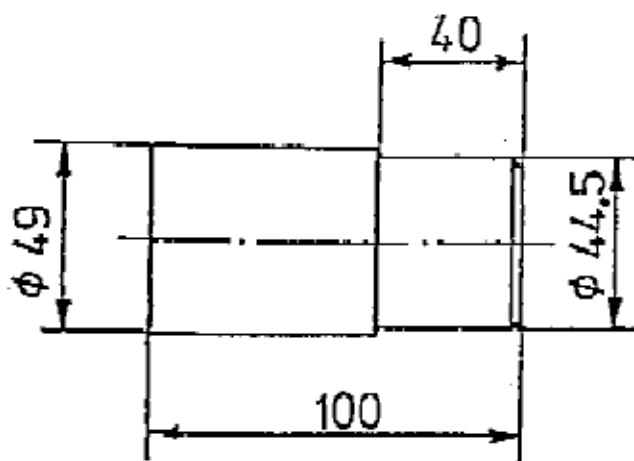
I) Jig for removing bearing bush "main bearing"



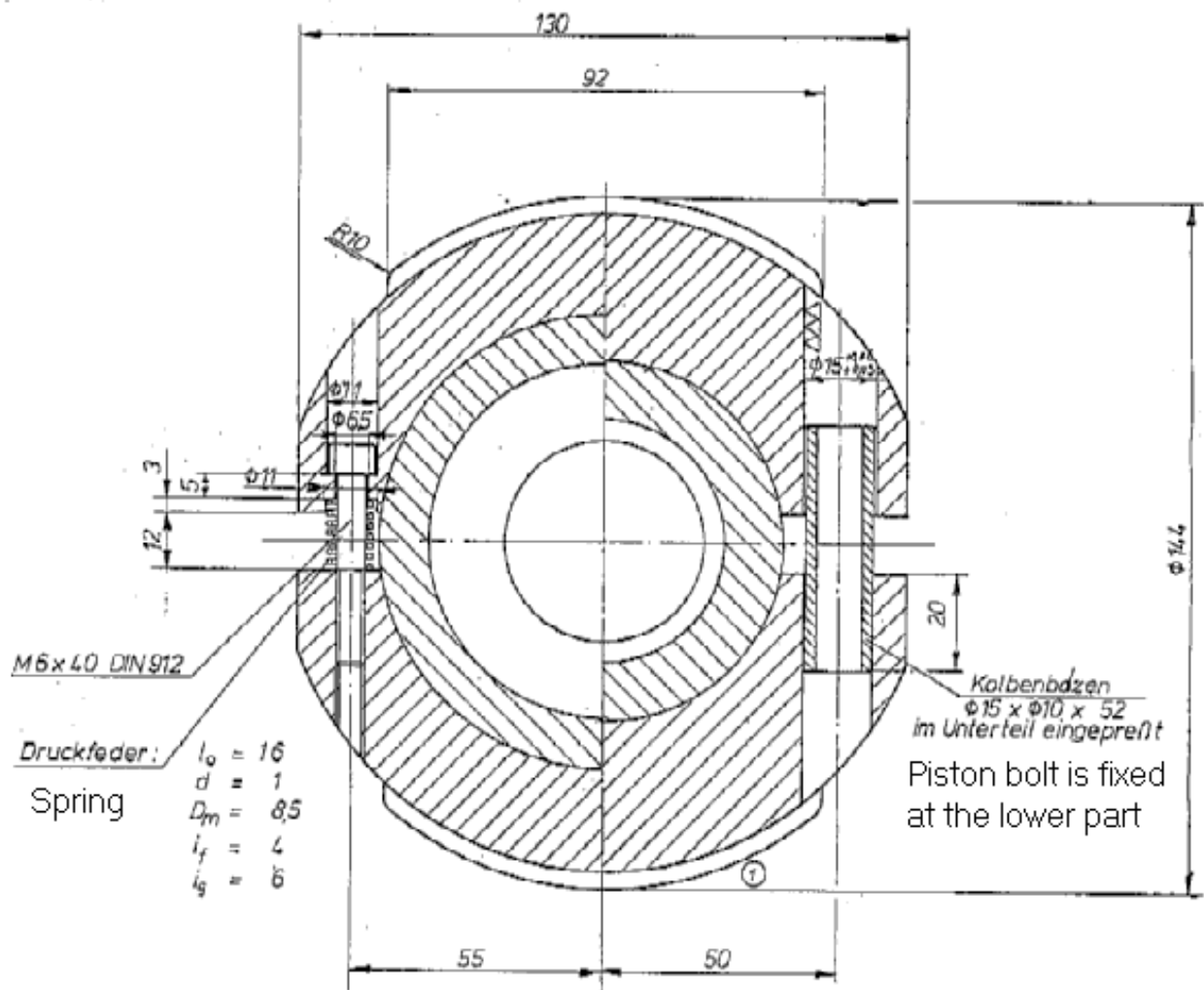
J) Jig for removing bearing bush "main bearing"



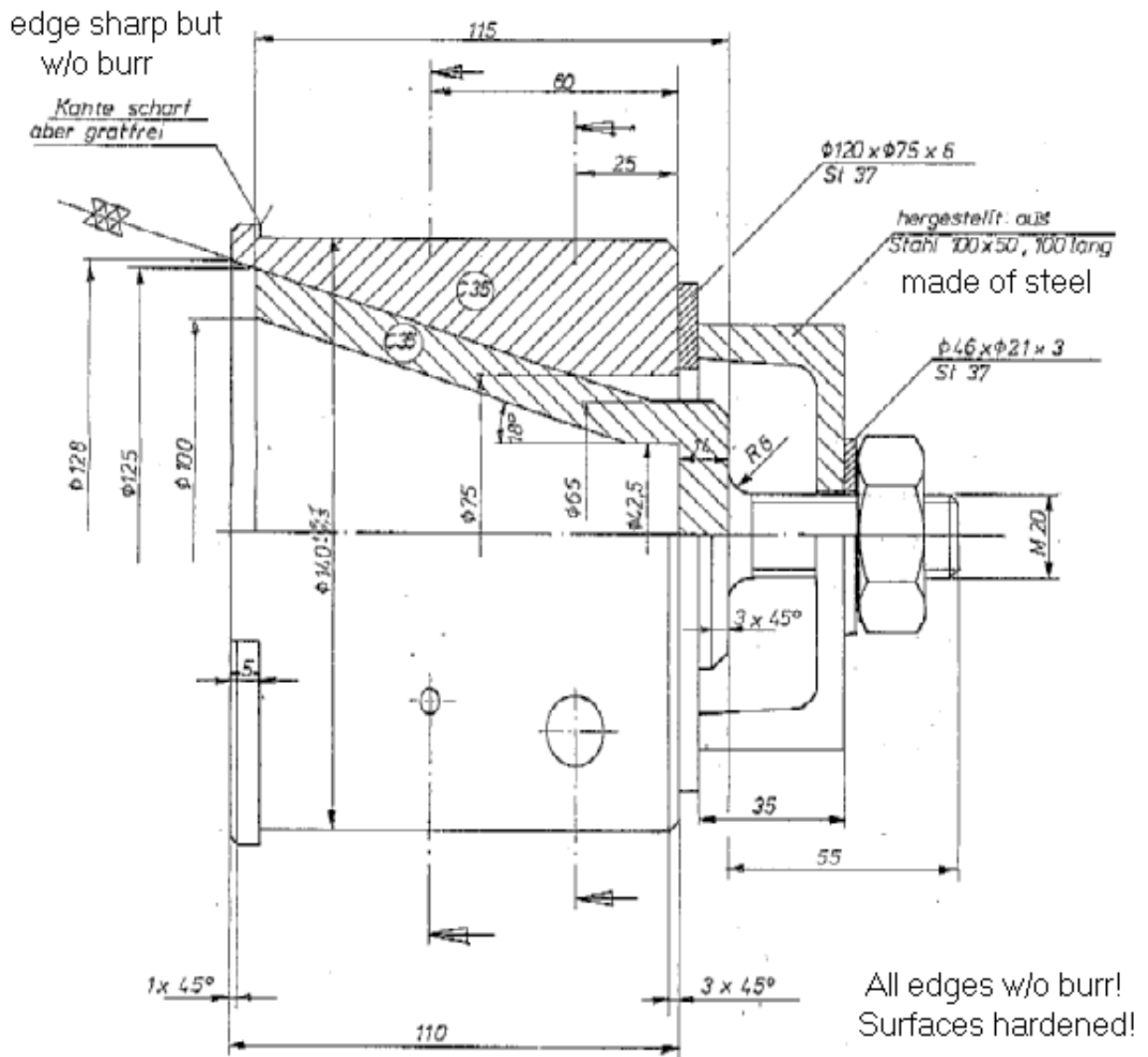
K) Jig for removing bearing bush "bearing cover"



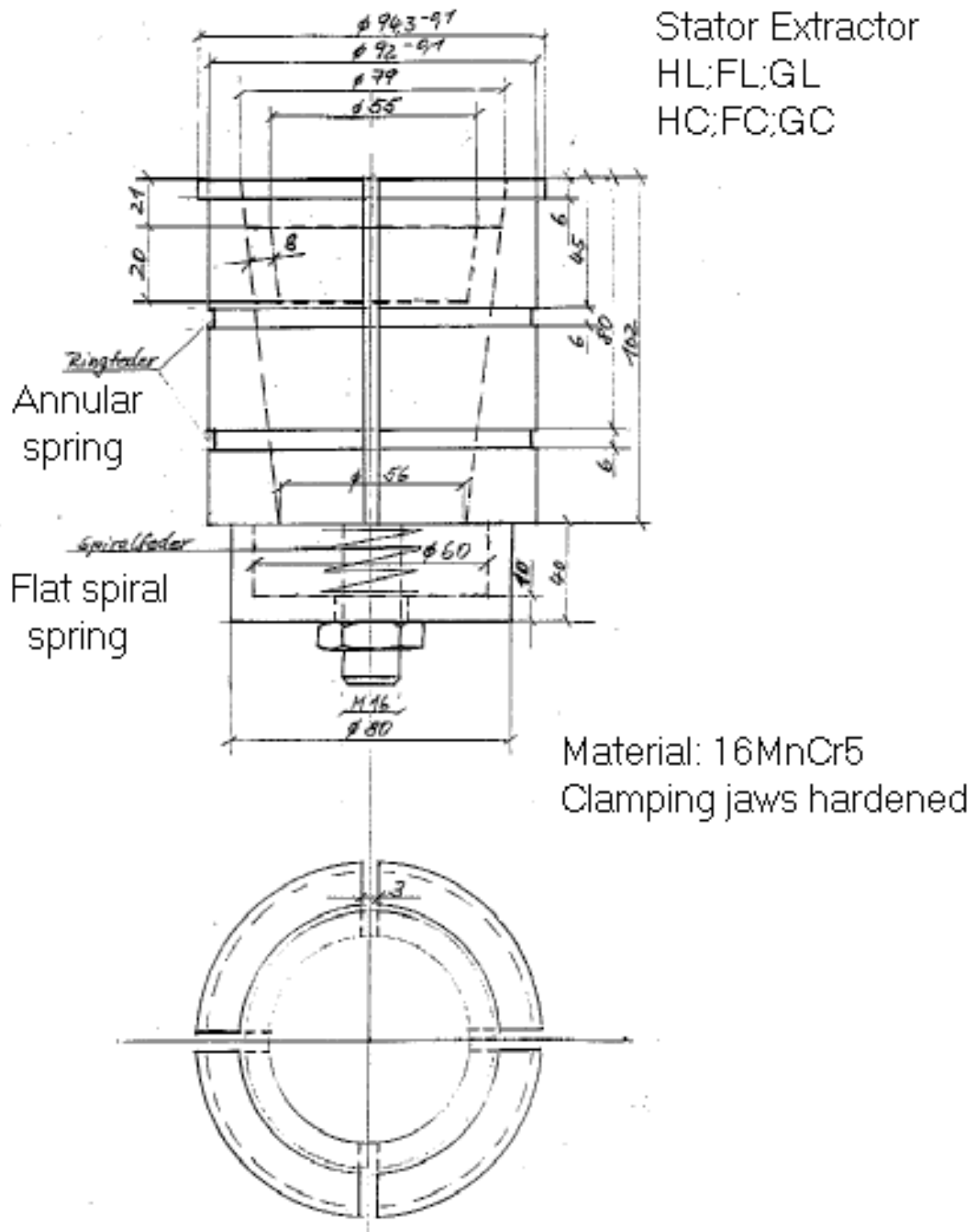
L) Taper block for stator extractor



M) Stator Extractor for motor profile 223 mm (4Z-5.2..6F-50.2)



O) Stator Extractor for HL;FL;GL and HC;FC;GC



P) Stator Extractor for EL;DL;GC and U;Q;N

