

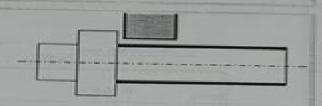
3. GRINDING OPERATIONS ON THE HTG 410/610 420/620

In this chapter we describe the different ways of using the machine for grinding workpieces. To avoid giving too much confusing detail we have based the instructions on a simple workpiece: this part does not need the whole range of possible grinding operations, but those described are the operations which will mostly be used in everyday grinding.

TRAVERSE GRINDING

For grinding a long shaft diameter

- Table slide oscillation
- Stepwise infeed of wheelhead.



FACE GRINDING

For grinding the face of a shoulder

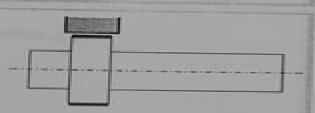
- Side infeed by manual table slide traversing



PLUNGE GRINDING

For grinding a short shaft diameter

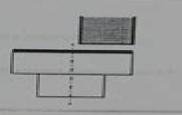
- Continuous wheelhead infeed
- Short table slide oscillations, according to the relative widths of the wheel and the diameter being machined.



FLAT GRINDING

For grinding a complete face parallel to the wheel axis

- Workhead swivelled 90"
- Table slide oscillation
- Stepwise wheelhead infeed



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