



**ROMAI - Angle Head type** .....  
 (if specific type chosen in catalogue, e.g. W10)

**General head information:**

- output spindle must be at a ..... degree angle to driving shank
- output spindle must be 360 degrees manual adjustable round driving axis (C-axis)
- output spindle must be 0 to 90 degrees manual adjustable to driving axis (B-axis, see D-type heads)
- required gear ratio  $i =$  .....
- max. required output RPM:.....1/min
- max. required output torque per spindle: .....Nm
- output type / tool holder (e.g. for collets, Weldon, quick change system HSK, ABS):.....

**Operation / cutting information:**

- operation (e.g. milling, tapping, drilling and  $\emptyset$ ):.....
- according to workpiece drawing #: .....
- workpiece material:.....
- cutting tool / insert material:  solid carbide  PCD  HSS  Others: .....
- working position:  horizontal  vertical
- duty cycle - max. on time.....minutes at .....RPM and then rest time ..... minutes at 0 RPM before next cycle starts

**Machine information:**

- machine manufacturer:..... machine type:..... serial #:.....
- horizontal main spindle  vertical main spindle  vertical/horizontal main spindle
- tool change:  automatic by ATC  manual  Pick-Up
- max. tool diameter for ATC:  $\emptyset$ .....mm max. tool length:.....mm
- max. tool weight: .....kg max. tool moment (gravity):.....Nm

**Connection to machine:**

- stop block is available  additional 3-/4-point axial support is available  flange mounting is possible
- driving shank (e.g. HSK, SK, CAT + size e.g. SK50):.....
- main spindle drawing (front view) which shows the main spindle face (if installed with stop block and 3-point support visible)

**Coolant:**

- no coolant or coolant only from machine spraying nozzles
- internal coolant supply through the head – required coolant pressure .....bar
- coolant in from machine via:  driving shank  via stop block  via external connection e.g. at the housing of the head
- coolant out via:  the output spindle / cutting tool  spraying nozzles or pipes

**Further information:**

Date:

Name/Sign: