

Machinist

Practical Examination Information

Candidate Information Sheet

1. There is a written and a practical component to the Journeyperson examination. With the exception of apprentices attending the final level of technical training, the written examination must be completed successfully before applying for the practical examination. Personal calculators may be used during this practical examination.
 2. This examination consists of two parts: completing a project involving the use of a lathe, and milling machine (see the last page of this document for examples) and sharpening a twist drill for use on mild steel.
 3. You **must** bring the following to the examination:
 - 2 – pre-ground HSS tool bits: one for machining a 60° UNC thread, and one for cutting a 90° 1/16" radius fillet (blank sizes 3/8" for exams in Regina, 5/16" for exams in Saskatoon). Carbide turning and parting tools will be provided. (Refer to drawings on the last page.)
 - 1 – 6" machinist scale
 - 1 – 8" inside and outside vernier/dial caliper accurate to .001"
 - 1 – 0" to 1" outside micrometer accurate to .001"
 - 1 – 1" to 2" outside micrometer accurate to .001"
 - 1 – centre gauge
 - 1 – dial indicator. Candidate may bring own dial indicator with magnetic stand or magnetic back. (Dial indicators with magnetic stands are also provided.)
 - 1 – screw pitch gauge
 - 1 – pen or pencil
 - 1 – pair of safety glasses, work clothing, and **this sheet of instructions**
- NOTE: Candidates can use only highspeed and carbide tools, and 1018 cold rolled mild or 4140 annealed steel stock. Left and right carbide tool holders and inserts will be supplied by the training facility. Candidates are allowed to use digital read-outs on lathes and milling machines.**
4. This examination is **6 hours** long. Pre-examination instructions from the marking committee do not form part of the six hours. Candidates will be given one-half hour for lunch, which does not form part of the six hours.

5. The machines used to do this examination are vital to the training programs of the test facility. The examining officer is authorized to **STOP AND DISCONTINUE** a candidate's test at any time if physical injury or mechanical damage may result from its continuance.
6. Verbal abuse by candidates towards any person at the examination facility will not be tolerated. Instances of this abuse will result in the immediate termination of the candidate's examination attempt at the expense of the candidate.

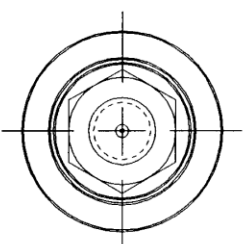
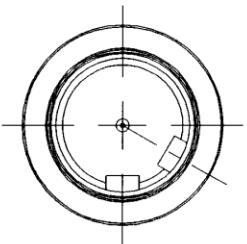
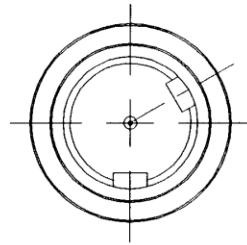
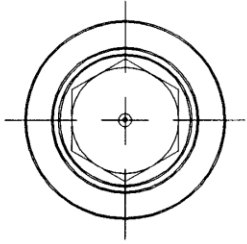
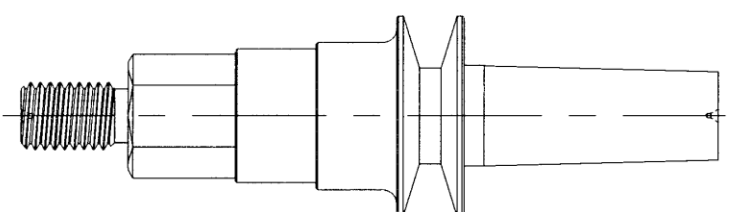
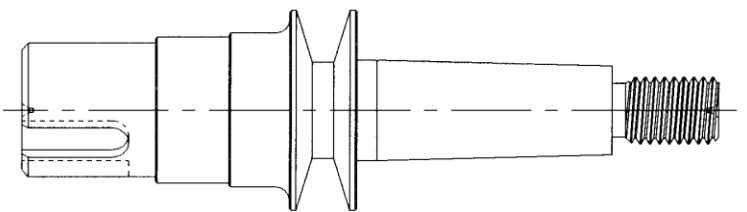
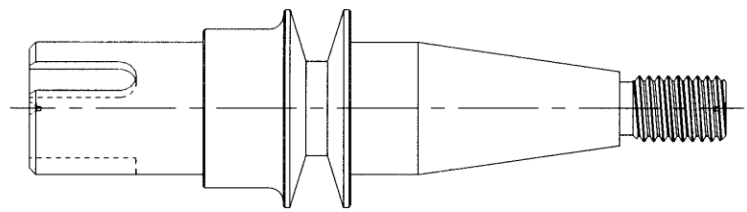
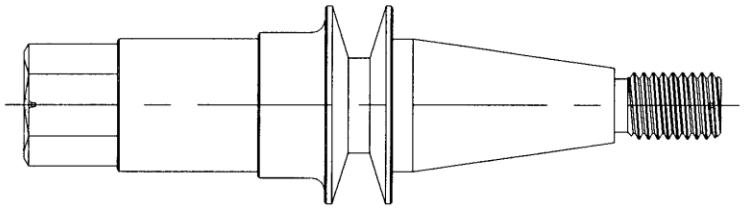
All communication and/or imaging devices are prohibited from use at all times during the practical examination. Personal calculators are permitted for use during the practical examination.

Please note that examinations and study information change frequently. The most recent information is on our website at www.saskapprenticeship.ca.

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This information is subject to change without notice.

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YOU WILL BE ASSIGNED ONE OF THESE PROJECTS