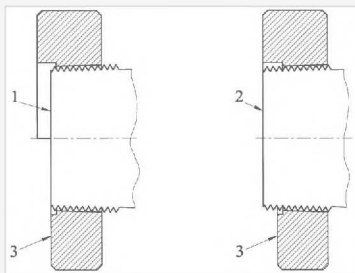


Stage 2: The taper plain ring gauge (gauge No. 4) is positioned hand tight over the external thread. The external thread is within the permissible tolerances if the end face of the threaded workpiece lies between the step faces, or flush with one of the step faces of the gauge and the roots of all threads within the area covered by the gauge are fully formed.



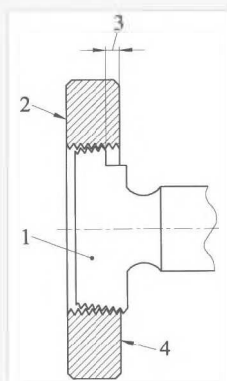
Key:

- 1 - end face of work piece flush with tolerance step on gauge,
- 2 - end face of work piece flush with face of gauge
- 3 - gauge No. 4

Note: A variation in the relative positions of the gauge steps of gauge Nos. 3 and 4 in excess of $0,5P$ but no greater than $1P$ is permissible when the manufacturer and purchaser agree that the use of a thread sealant during the assembly of the workpiece will compensate for the increased difference in the gauging results.

Checking of taper plug gauges wear (gauge Nos. 1 and 2)

The pitch diameter of taper threaded plug gauges may be checked with the parallel modified thread form check ring gauge (gauge No. 6). The major diameter of taper threaded plug gauges shall be checked by direct measurement.

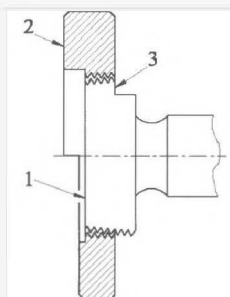


Key:

- 1 - gauges No 1 and 2,
- 2 - gauges No 6,
- 3 - distance from face of step on plug gauge to face of ring gauge shall be l_{13}
(see PN-EN 10226-3:2005 table 16)
- 4 - this face marked to indicate position of gauge plane

Checking of parallel ring gauges wear (gauge No 3)

Parallel full form threaded ring gauges shall be checked by using the taper modified thread form check plug gauges at the pitch diameter. The minor diameter shall be checked by direct measurement.



Key:

- 1 - gauges No 5
- 2 - gauges No 3
- 3 - distance from face of step on plug gauge to face of ring gauge shall be l_{14}
(see PN-EN 10226-3:2005 table 16)
- 4 - this face marked to indicate position of gauge plane