



## SUBJECT DATASHEET

<b>Semester:</b>	2009/10/2
<b>Subject:</b>	Machine Elements I.
<b>Code:</b>	VEMKGEB243S
<b>Responsible department:</b>	Department of Mechanical Engineering
<b>Responsible department code:</b>	MKGE
<b>Responsible lecturer:</b>	dr. Pál Horváth

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### Educational objectives:

Learning the fundamentals of mechanical engineering

### Detailed content of the subject:

Geometric Dimensioning and Tolerancing Model creation in mechanical engineering Forms of threads, elements of bolted connections, thread locking Power screws Calculation of bolted connections Calculation of bolted connections Shaft-hub connections: keys, splines Shaft-hub connections: pin connection, conical connection Press fit connection Rivetid connections Welded connections Welded connections Soldering Glued connections Calculation of shafts

### Requirements:

2 tests, 2 drawings

### Required and suggested references:

Dr. Szalczinger J.: Gépelemek I. Veszprémi Egyetemi Kiadó, Veszprém, 1998.