

INTRODUCTION	1.1	Purpose and scope	8
	1.2	Why standardization?	9
	1.3	Quantities and units	12
	1.4	Paragraph numbering in texts	20
DRAWINGS	2.1	Fundamentals	27
	2.2	General principles of presentation	33
	2.3	Dimensioning	43
	2.4	Representation, dimensioning of threads	55
	2.5	Preferred numbers, series	58
	2.6	Tolerancing	60
LAYOUT AND MANUFACTURE	3.1	Welded connections	134
	3.2	Brazed and soldered connections	148
	3.3	Adhesive joints	152
	3.4	Contact-free cutting	154
	3.5	Corrosion protection	159
	3.6	Conical tapers	164
MACHINE PARTS	4.0	Introduction	192
	4.1	Screw connections	192
	4.2	Screws and bolts	198
	4.3	Nuts	204
	4.4	Washers	205
	4.5	Through holes, counterbores	206
MATERIALS	5.0	Materials overview	258
	5.1	Steel	259
	5.2	Cast ferrous materials	291
	5.3	Copper and copper alloys	293
	5.4	Aluminium and aluminium alloys	300
	5.5	Sintered materials	303
SYMBOLIC REPRESENTATION	6.1	Gear wheels and gear pairs	314
	6.2	Springs	316
	6.3	Flow diagrams for process plants	318
	6.4	Circuit diagrams for hydraulics and pneumatics	320
	6.5	Electrical circuit diagrams	327
	PRODUCT DOCUMENTATION	7.1	Wording in engineering drawings
7.2		Basic terms for engineering drawings	345
7.3		Documents for electrical engineering	345
7.4		Technical product documentation	346
7.5		Parts lists	348
7.6		Safety of machinery	356
DRAWING EXAMPLES	8.1	Explanations	370
	8.2	Drawing examples	378
INDEXES	9.1	Index of standards	414
	9.2	Index of terms used	420

2.7	ISO system of limits and fits	62	2.12	Surface texture	102
2.8	Choice of tolerance classes for general use	77	2.13	Simplified drawing	110
2.9	Recommended fits	79	2.14	Drawing indications for moulded parts.	118
2.10	General tolerances	81	2.15	Optical systems and elements	124
2.11	Geometrical tolerancing	90			
3.7	Angles and slopes on prisms	170	3.13	Thread run-outs and undercuts	187
3.8	Knurls	172			
3.9	Centre holes	173			
3.10	Undercuts	175			
3.11	Edges of workpieces	177			
3.12	Types of thread	182			
4.6	Technical delivery requirements for bolts, nuts and washers	208	4.12	Set collars	229
4.7	Thread inserts	216	4.13	Lock washers, circlips	230
4.8	Taper pins, parallel pins, grooved pins	220	4.14	Rolling bearings	233
4.9	Spring-type straight pins, split pins	221	4.15	Plain bearing bushes	239
4.10	Rivets	222	4.16	Seals	241
4.11	Keys, taper keys	227	4.17	Flanged connections	250
			4.18	Cone head form grease nipples	255
5.6	Synthetic materials	306			
5.7	Asbestos-free gasket sheets	309			
6.6	Graphical symbols for use on equipment	336			
7.7	Change control	359			
7.8	Quality management	361			
7.9	Environmental management systems	363			
7.10	Measurement management systems	364			