

BS 8888:2020



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Published by BSI Standards Limited 2019

ISBN 978 0 539 02682 5

ICS 01.100.01, 01.110

The following BSI references relate to the work on this document:

Committee reference TPR/1/8

Draft for comment 19/30384745 DC

**Publication history**

First published as BS 308-1, BS 308-2 and BS 308-3, September 1927

Second editions, December 1943

Third editions, December 1953

Fourth editions, November 1964

Fifth editions, October 1972

Sixth editions, August 1984 (BS 308-1), October 1985 (BS 308-2) and August 1990 (BS 308-3)

Seventh edition of BS 308 1, December 1993

First published as BS 8888 August 2000

Second edition, October 2002

Third edition, October 2004

Fourth edition, October 2006

Fifth edition, October 2008

Sixth edition, December 2011

Seventh edition, December 2013

Eighth edition, January 2017

Ninth (present) edition, January 2020

**Amendments issued since publication**

Date	Text affected
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# Contents

	Foreword	xii
<b>Section 1</b>	<b>Scope</b>	<b>1</b>
1.1	Scope	1
1.2	Normative references	1
1.3	Terms and definitions	2
1.3.1	date of issue	2
1.3.2	ISO GPS system	2
1.3.3	technical product documentation (TPD)	2
1.3.4	technical product specification (TPS)	2
<b>Section 2</b>	<b>Standards underpinning BS 8888</b>	<b>3</b>
2.1	General	3
<b>Section 3</b>	<b>Technical product specification (TPS): Principles and concepts</b>	<b>4</b>
3.1	Principles of specification	4
3.1.1	Types of technical product specification	4
	<i>Figure 1 – Hole and shaft sizes</i>	5
	<i>Table 1 – Mean and nominal values for 3D CAD model</i>	5
3.1.2	General principles of specification	6
	<i>Table 2 – Level of detail in a TPS</i>	6
3.1.3	Date of issue principle	6
3.1.4	Reference conditions	6
3.1.5	Interpretation	7
3.1.6	Decimal principle	7
3.1.7	Rigid workpiece principle	7
3.1.8	Nonrigid workpieces	7
3.2	Fundamental concepts	8
3.2.1	Properties	8
3.2.2	Feature principle	8
	<i>Figure 2 – Interrelationships of the geometrical feature definitions</i>	10
3.2.3	Interpretations of limits of size for a feature of size	10
	<i>Figure 3 – Possible interpretations of size limits where no form control is defined and the specification is incomplete</i>	11
	<i>Figure 4 – Two-line angular size: Second association with minimax criterion</i>	12
3.3	Geometrical product specification	13
3.3.1	Interpretation and invocation principle	13
3.3.2	Independency principle	14
<b>Section 4</b>	<b>Technical product documentation (TPD)</b>	<b>15</b>
	<i>Figure 5 – Example of assembly drawing</i>	15
	<i>Figure 6 – Example of part drawing</i>	16
	<i>Figure 7 – Example of fabrication drawing</i>	16
4.1	Graphical representation and annotation of 3D data (3D modelling output)	17
4.2	Drawing sheets	17
4.2.1	General	17
4.2.2	Sizes	17
	<i>Table 3 – Sizes of trimmed and untrimmed sheets and the drawing space</i>	17

4.2.3	Graphical features	17
	<i>Figure 8 – Size A4 to A0</i>	18
	<i>Figure 9 – Title block in compact form</i>	18
	<i>Table 4 – Identifying, descriptive and administrative data fields in the title block</i>	18
	<i>Table 5 – Number of fields</i>	19
4.3	Line types and line widths	19
4.3.1	Types of line	19
	<i>Table 6 – Basic line types</i>	20
4.3.2	Line width	20
4.3.3	Colours	20
4.4	Scales	21
	<i>Table 7 – Scales</i>	21
4.5	Lines	21
4.5.1	Lines and terminators	21
4.5.2	Lines, terminators and origin indicators	21
4.6	Number formats	22
4.6.1	General	22
4.6.2	Metric values	22
4.7	Lettering	22
4.7.1	General	22
4.7.2	Lettering size	23
	<i>Table 8 – Preferred line widths and lettering heights for drawing sheet sizes</i>	23
4.7.3	Notes	23
4.8	Projections	23
4.8.1	General	23
4.8.2	Conventions for arrangement of views on a T.D.	23
	<i>Figure 10 – Labelled view method</i>	24
	<i>Figure 11 – First angle projection method</i>	25
	<i>Figure 12 – First angle projection method: Graphical symbol</i>	25
	<i>Figure 13 – Third angle projection method</i>	26
	<i>Figure 14 – Third angle projection method: Graphical symbol</i>	26
4.9	Views	26
4.9.1	General	26
4.9.2	Auxiliary views	27
	<i>Figure 15 – Auxiliary view showing true shape of inclined surface</i>	27
4.10	Sections	27
	<i>Figure 16 – Section view in one plane</i>	28
	<i>Figure 17 – Section view in two parallel planes</i>	28
	<i>Figure 18 – Section view in three contiguous planes showing true shape of inclined surface</i>	29
4.11	Representation of components	29
4.11.1	General	29
4.11.2	Representation of moulded, cast and forged components	30
4.11.3	Representation of moulded components	30
<b>Section 5</b>	<b>Dimensioning</b>	<b>31</b>
5.1	General	31
5.2	Dimensioning methods	32
5.2.1	Presentation rules	32
5.2.2	Presentation of decimals	32
5.2.3	Positioning of dimensions	33

	<i>Figure 19 – Positioning of dimensions</i>	33
	<i>Figure 20 – Arrangement and indication of dimensions internal and external features</i>	33
5.2.4	Units of dimensions	34
5.2.5	Elements of dimensioning: usage	34
	<i>Figure 21 – Elements of dimensioning</i>	34
	<i>Figure 22 – Dimension line of feature that is broken</i>	35
	<i>Figure 23 – Dimension lines of holes</i>	35
	<i>Figure 24 – Extension lines</i>	36
	<i>Figure 25 – Oblique extension lines</i>	36
	<i>Figure 26 – Intersection of projected contours of outlines</i>	36
	<i>Figure 27 – Intersection of projected contours of transitions and similar features</i>	37
	<i>Figure 28 – Extension lines of angular dimensions</i>	37
5.2.6	Dimensional values	37
	<i>Figure 29 – Position of dimensional values</i>	38
	<i>Figure 30 – Position of dimensional values</i>	38
	<i>Figure 31 – Orientation of linear dimensions</i>	39
	<i>Figure 32 – Orientation of angular dimensions</i>	39
5.2.7	Indications of special dimensions	39
	<i>Table 9 – Special dimensions</i>	40
	<i>Figure 33 – Indications of special dimensions: Radius</i>	40
	<i>Figure 34 – Indications of special dimensions: Square</i>	40
	<i>Figure 35 – Indications of special dimensions: Spherical diameter</i>	40
	<i>Figure 36 – Indications of special dimensions: Spherical radius</i>	41
	<i>Figure 37 – Indications of special dimensions: Thickness</i>	41
	<i>Figure 38 – Diameter and depth of counterbore</i>	41
	<i>Figure 39 – Size and angle of countersink</i>	42
5.2.8	Auxiliary dimensions	42
5.2.9	Equally spaced and repeated features	42
	<i>Figure 40 – Number of equally spaced features and the dimensional value</i>	42
	<i>Figure 41 – Dimensioning of angular spacing</i>	43
	<i>Figure 42 – Angles of spacings</i>	43
	<i>Figure 43 – Indication of features having the same dimensional value</i>	43
	<i>Figure 44 – Indication of features having the same dimensional value</i>	44
5.2.10	Chamfers	44
	<i>Figure 45 – Dimension of external chamfer not equal to 45°</i>	44
	<i>Figure 46 – Dimension of external chamfer equal to 45°</i>	44
	<i>Figure 47 – Dimension of internal chamfer not equal to 45°</i>	45
	<i>Figure 48 – Dimension of internal chamfer equal to 45°</i>	45
5.2.11	Countersinks	45
	<i>Figure 49 – Dimension of countersink</i>	45
	<i>Figure 50 – Dimension of countersink: simplification</i>	46
5.2.12	Symmetrical parts	46
	<i>Figure 51 – Symmetrical parts</i>	46
	<i>Figure 52 – Symmetrical parts</i>	47
	<i>Figure 53 – Symmetrical parts</i>	47
5.2.13	Indication of levels	47
	<i>Figure 54 – Indication of level on vertical view</i>	48
	<i>Figure 55 – Indication of level on horizontal view or section</i>	48
5.2.14	Dimensioning of curved features	48
	<i>Figure 56 – Example of curved feature defined by radii</i>	48

	<i>Figure 57 – Example of curved feature defined by radii</i>	48
	<i>Figure 58 – Curved feature defined by coordinate dimensions</i>	49
	<i>Figure 59 – Curved features defined by coordinate dimensions</i>	49
5.2.15	Arrangements of dimensions	49
	<i>Figure 60 – Example of chain dimensioning</i>	50
	<i>Figure 61 – Example of parallel dimensioning</i>	50
	<i>Figure 62 – Example of parallel dimensioning</i>	50
	<i>Figure 63 – Two dimension lines, inclined to each other, and two origins</i>	51
	<i>Figure 64 – Running dimensioning of angles</i>	52
5.2.16	Cartesian coordinate dimensioning	52
	<i>Figure 65 – Cartesian coordinate dimensioning</i>	53
	<i>Figure 66 – Cartesian coordinate dimensioning</i>	53
5.3	Dimensioning common features	54
5.3.1	Dimensioning of slots	54
	<i>Figure 67 – Dimensioning slots with rounded ends</i>	54
5.3.2	Keyways	54
	<i>Figure 68 – Dimensioning of keyways</i>	54
5.3.3	Screw threads	55
5.4	Dimensional tolerancing	55
5.4.1	General	55
5.4.2	Methods of specifying tolerances	55
5.4.3	Indication of tolerances	55
	<i>Figure 69 – Example: expression of two deviations to the same number of decimal places</i>	56
	<i>Figure 70 – Example: expression of two limits of size to the same number of decimal places</i>	56
	<i>Figure 71 – Example: expression of deviations from dimensions displayed in accordance with BS EN ISO 2861</i>	56
	<i>Figure 72 – Components of a toleranced dimension</i>	57
	<i>Figure 73 – Components of a toleranced dimension</i>	57
	<i>Figure 74 – Components of a toleranced dimension</i>	57
	<i>Figure 75 – Limits of dimensions</i>	57
	<i>Figure 76 – Single limit dimension</i>	57
	<i>Figure 77 – Use of general tolerance notes</i>	58
	<i>Table 10 – Permissible deviations for linear dimensions except for broken edges</i>	58
	<i>Table 11 – Permissible deviations for broken edges (external radii and chamfer heights)</i>	58
	<i>Table 12 – Permissible deviations of angular dimensions</i>	59
5.4.4	Functional dimensions	59
	<i>Figure 78 – Application of dimensions to suite functional requirements</i>	59
	<i>Figure 79 – Effect of functional dimensioning on tolerance values</i>	60
<b>Section 6</b>	<b>Datums and datum systems</b>	<b>61</b>
6.1	General	61
6.2	Definitions and explanations	61
6.2.1	Datum	61
6.2.2	Datum feature	61
6.2.3	Common datum	61
6.2.4	Datum system	62
6.2.5	Datum section	62
	<i>Figure 80 – Datum section of a tolerance indicator defining a datum system</i>	62
6.2.6	Primary datum	62
6.2.7	Secondary datum	62

6.2.8	Tertiary datum	62
6.2.9	Six degrees of freedom	63
	<i>Figure 81 – Degrees of freedom</i>	63
6.2.10	Situation feature	63
	<i>Table 13 – Situation features</i>	64
6.2.11	Associated feature	66
6.2.12	Association criterion	66
6.2.13	Objective function (for association)	66
6.2.14	Association constraints	66
6.3	Identifying datum features: Placement of the datum feature indicator	67
6.3.1	Datums based on single feature	67
	<i>Figure 82 – Datum feature indicators attached to an outline and an extension line from an outline</i>	67
	<i>Figure 83 – Datum feature indicators attached to a tolerance frame attached to the feature</i>	67
	<i>Figure 84 – Datum feature indicator attached with leader line ending in a filled dot on surface</i>	67
	<i>Figure 85 – Datum feature indicators attached to surface on 3D TPS</i>	68
	<i>Figure 86 – Datum feature indicator placed in line with dimension line for size dimension</i>	68
	<i>Figure 87 – Datum feature indicators attached to tolerance frame</i>	68
	<i>Table 14 – Example: single datum</i>	69
6.3.2	Datums based on multiple datum features	69
	<i>Figure 88 – Examples of datum indications based on multiple datum features</i>	69
6.3.3	Datums based on threaded features, gears or splines	69
	<i>Figure 89 – Datum feature indicator attached to tolerance frame in line with thread dimension</i>	70
6.4	Deriving datums from datum features	70
6.5	Indications of situation features in a technical product specification	70
	<i>Figure 90 – Example identifiers for situation features</i>	71
6.6	Common datums	71
6.6.1	General	71
	<i>Figure 91 – Common datum established by a group of identical features</i>	72
6.6.2	Common datums based on two coaxial cylinders	72
	<i>Figure 92 – Common datum established from two coaxial cylinders</i>	72
	<i>Figure 93 – Establishing a common datum from two coaxial cylinders</i>	73
6.6.3	Common datums based on two parallel cylinders	73
	<i>Figure 94 – Establishing a common datum from two parallel cylinders</i>	73
6.6.4	Common datums based on a group of cylinders	73
	<i>Figure 95 – Pattern of five cylinders: input for reading (drawing indication) and for writing (design intent)</i>	74
	<i>Figure 96 – Establishing a common datum from a pattern of five cylinders</i>	74
6.6.5	Association for common datums	75
6.6.6	Default association criteria	75
	<i>Figure 97 – Association for a common datum based on two coaxial cylinders</i>	76
6.7	Datum systems and the six degrees of freedom	76
	<i>Table 15 – Examples: datum systems</i>	77
	<i>Table 16 – Examples: datum systems</i>	78
6.8	Datum targets	78
6.8.1	General	78
6.8.2	Datum target frame	79
	<i>Figure 98 – Single datum target frame</i>	79
6.8.3	Datum target symbol	79
	<i>Figure 99 – Datum target point</i>	79
	<i>Figure 100 – Non-closed datum target line</i>	79

	<i>Figure 101 – Datum target area</i>	80
6.8.4	Leader line	80
	<i>Figure 102 – Indicator for single datum target point</i>	80
	<i>Figure 103 – Indicator for single datum target line</i>	80
	<i>Figure 104 – Indicator for single datum target surface</i>	81
6.8.5	Datum target areas	81
	<i>Figure 105 – Indicator for single datum target area</i>	81
	<i>Figure 106 – Direct and indirect indication for single datum target area</i>	81
6.8.6	Datum feature indicators used with datum targets	82
	<i>Figure 107 – Indication of datums established from datum targets</i>	82
	<i>Figure 108 – Simplification of drawing indication when there is only one datum target area</i>	82
6.8.7	Datums based on more than one datum target	82
	<i>Figure 109 – Datums based on more than one datum target</i>	83
	<i>Figure 110 – Application of datum targets</i>	84
	<i>Figure 111 – Application of datum targets</i>	84
6.9	Modifying the effects of datums	85
6.9.1	“Orientation only” modifier	85
	<i>Figure 112 – Application of “orientation only” modifier</i>	85
6.9.2	Situation feature modifiers	85
	<i>Figure 113 – Indication of which modifier is needed in the set of situational features</i>	86
6.9.3	Specific control of degrees of freedom	86
	<i>Figure 114 – Complimentary datum indication</i>	86
<b>Section 7</b>	<b>Geometrical specifications</b>	87
7.1	Geometric tolerances	87
7.2	Basic concepts	88
7.3	Symbols	88
	<i>Table 17 – Symbols for geometrical characteristics</i>	88
	<i>Table 18 – Additional symbols</i>	89
7.4	Geometrical specification indication	90
	<i>Figure 115 – Elements of geometrical specification indication</i>	90
7.5	Tolerance indicator	90
7.5.1	General	90
	<i>Figure 116 – Three sections of the tolerance indicator</i>	90
7.5.2	Symbol section	90
7.5.3	Tolerance zone section	90
7.5.4	Datum section	91
7.6	Tolerance zone	91
	<i>Figure 117 – Width of tolerance zone applying to the specified geometry</i>	91
7.7	Toleranced features	92
	<i>Figure 118 – Placement of tolerance indicator when applied to a surface</i>	92
	<i>Figure 119 – Placement of tolerance indicator when applied to a derived feature</i>	93
	<i>Figure 120 – Specification applying to several features individually</i>	93
	<i>Figure 121 – Specification applying to several features individually</i>	93
	<i>Figure 122 – Tolerance applying to more than one feature</i>	94
	<i>Figure 123 – Requirements given in tolerance frames one under the other</i>	94
	<i>Figure 124 – Examples of geometrical tolerancing</i>	94
7.8	Theoretically exact dimensions (TED)	101
	<i>Figure 125 – Use of theoretically exact dimensions (TEDs)</i>	102

7.9	Material condition modifiers	102
7.9.1	Maximum material requirement applied to the toleranced feature	102
	<i>Figure 126 – Indication of the maximum material requirement</i>	102
7.9.2	Maximum material requirement applied with a zero tolerance	103
	<i>Figure 127 – Indication of the maximum material requirement</i>	103
7.9.3	Maximum material requirement applied to a datum reference in a tolerance indicator	103
	<i>Figure 128 – Indication of the maximum material requirement</i>	103
7.9.4	Least material requirement applied to the toleranced feature	104
	<i>Figure 129 – Indication of the least material requirement</i>	104
7.9.5	Least material requirement applied with a zero tolerance	105
	<i>Figure 130 – Indication of the least material requirement applied with a zero tolerance</i>	105
7.9.6	Least material requirement applied to a datum reference in a tolerance indicator	105
	<i>Figure 131 – Least material requirement applied to a datum reference in a tolerance indicator</i>	105
7.9.7	Reciprocity requirement (RPR)	105
	<i>Figure 132 – Reciprocity requirement</i>	105
7.9.8	Direct indication of virtual size	106
	<i>Figure 133 – Direct indication of virtual size</i>	106
7.10	Additional indications relating to the toleranced feature	106
7.10.1	Projected tolerance zone	106
	<i>Figure 134 – Two ways of indicating a geometrical specification with projected tolerance modifier</i>	107
7.10.2	Free-state condition	107
	<i>Figure 135 – Free-state condition</i>	107
	<i>Figure 136 – Use of several specification modifiers</i>	107
7.10.3	Tolerances applied to threaded features	108
	<i>Figure 137 – Example of “MD”</i>	108
7.10.4	Tolerances applied to splines and gears	108
7.11	Unequal tolerance zone (UZ)	108
	<i>Figure 138 – Example of an unequal tolerance zone</i>	109
7.12	Restrictive specifications	109
7.12.1	Tolerance requirements applied to a specific restricted portion of a feature	109
	<i>Figure 139 – Tolerance applied to a restricted part of a feature</i>	110
7.12.2	Tolerance requirements applied to any given restricted portion of a feature	110
	<i>Figure 140 – Examples of tolerances of the same characteristic</i>	111
	<i>Figure 141 – Tolerance applied to an area</i>	111
7.13	The use of profile tolerances applied to derived features	111
7.13.1	General	111
7.13.2	Profile tolerancing	112
	<i>Table 19 – Symbols for geometrical characteristics</i>	112
	<i>Table 20 – Valid geometrical characteristic symbol and nominal tolerance feature combinations</i>	112
	<i>Figure 142 – Line profile specification for a compound derived feature</i>	113
	<i>Figure 143 – Surface profile specification for a compound derived feature</i>	114
7.14	Interrelationship of geometrical tolerances	115
<b>Section 8</b>	<b>Additional indications for geometrical tolerances</b>	<b>116</b>
8.1	Restricted or compound tolerancing of features	116
8.1.1	Between	116
	<i>Figure 144 – Use of between symbol</i>	116
	<i>Figure 145 – Use of between symbol</i>	116
8.1.2	All-around	116
	<i>Figure 146 – Use of all-round symbol</i>	116

8.1.3	All-over	117
	<i>Figure 147 – Use of all-over symbol</i>	117
8.2	United features	117
	<i>Figure 148 – Example united feature</i>	117
8.3	Feature patterns (CZ, CZR, SZ and SIM)	118
8.3.1	Internal and external constraints	118
	<i>Table 21 – Example showing internal and external constraints</i>	118
8.3.2	Specifying a pattern requirement	119
	<i>Figure 149 – Pattern of three flat faces subject to a combined zone flatness tolerance</i>	119
	<i>Figure 150 – Two independent patterns, one of four Ø15 holes, and one of four Ø8 holes</i>	120
8.3.3	Nested pattern requirements	120
	<i>Figure 151 – Eight independent specifications</i>	121
	<i>Table 22 – Use of CZ, SZ and CZR modifiers</i>	121
8.3.4	Combined geometrical specifications	124
	<i>Figure 152 – Two patterns locked together by the SIM indicator</i>	124
	<i>Figure 153 – Examples of indication of simultaneous requirements from two separate specification</i>	125
8.4	Plane and feature indicators	125
8.4.1	Intersection plane indicator	125
	<i>Figure 154 – Intersection plane indicator symbol</i>	126
	<i>Table 23 – Geometrical tolerance symbols</i>	126
	<i>Figure 155 – Example uses of intersection plane indicators</i>	126
8.4.2	Orientation plane indicator	126
	<i>Figure 156 – Orientation plane indicator symbol</i>	127
	<i>Table 24 – Geometrical tolerance symbols</i>	127
	<i>Figure 157 – Example uses of orientation plane indicators</i>	127
8.4.3	Collection plane	128
	<i>Figure 158 – Collection plane indicator symbol</i>	128
	<i>Table 25 – Geometrical tolerance symbols</i>	128
	<i>Figure 159 – Example uses of collection plane indicators</i>	129
8.4.4	Direction feature	129
	<i>Figure 160 – Direction feature indicator symbol</i>	129
	<i>Table 26 – Geometrical tolerance symbols</i>	130
	<i>Figure 161 – An example use of the direction feature</i>	130
<b>Section 9</b>	<b>Statistical tolerancing</b>	131
	<i>Figure 162 – Statistical tolerance symbol</i>	131
	<i>Figure 163 – Population specification</i>	131
	<i>Figure 164 – Dual specification</i>	131
<b>Section 10</b>	<b>Edges</b>	133
	<i>Table 27 – Examples of indication of edges</i>	133
<b>Section 11</b>	<b>Welding symbols</b>	134
11.1	The use of welding symbols on a TPS	134
11.2	Welding symbol	134
	<i>Figure 165 – Basic welding symbol (joint details and type not specified)</i>	134
11.3	Arrow line	134
	<i>Figure 166 – Use of multiple arrow lines</i>	135
11.4	Reference line	135
	<i>Figure 167 – Reference lines illustrating arrow side and other side for System A and System B</i>	136
11.5	Tail	136

	<i>Figure 168 – Examples of the use of a tail on welding symbols</i>	137
11.6	Elementary symbols	137
	<i>Table 28 – Elementary symbols</i>	137
11.7	Broken arrow lines	140
	<i>Table 29 – Example uses of broken arrow line</i>	140
11.8	Supplementary symbols	140
	<i>Table 30 – Supplementary symbols</i>	141
	<i>Figure 169 – Comprehensive welding symbols showing the location of weld elements</i>	142
<b>Section 12</b>	<b>Surface texture specification</b>	143
12.1	General	143
12.2	Characterization	145
12.2.1	General	145
12.2.2	Profiles	145
	<i>Figure 170 – Use of several specification modifiers</i>	146
12.2.3	Roughness specifications	147
	<i>Figure 171 – Mathematical derivation of Ra and Rq</i>	147
	<i>Figure 172 – Peak height (Rp), valley depth (Rv) and maximum height of profile (Rz)</i>	147
	<i>Figure 173 – Mathematical derivation of surface skewness (Rsk)</i>	148
	<i>Table 31 – Estimates for choosing roughness sampling lengths for the measurement of nonperiodic profiles (Ra)</i>	148
	<i>Table 32 – Estimates for choosing roughness sampling lengths for the measurement of nonperiodic profiles (Rz)</i>	149
	<i>Table 33 – Estimates for choosing roughness sampling lengths for the measurement of periodic profiles</i>	149
	<i>Figure 174 – Derivation of mean width of profile element (RSm)</i>	149
12.2.4	The 16% rule	150
12.3	Drawing indication of surface texture specification	150
	<i>Figure 175 – Surface texture graphical symbol</i>	150
	<i>Figure 176 – Positions (a to e) for location of texture requirements</i>	150
	<i>Table 34 – Indication of surface lay<sup>A)</sup></i>	151
12.4	Position and orientation of graphical symbol	152
	<i>Figure 177 – Attachment of surface texture requirement to workpiece</i>	152
	<i>Figure 178 – Surface texture requirement: Geometrical tolerance indication</i>	152
	<i>Figure 179 – Simplified indication: Majority of surfaces with same surface texture requirement</i>	153
	<i>Table 35 – Example application of surface texture</i>	154
12.5	Surface texture and surface characterization	155
12.5.1	Surface texture: Areal	155
12.5.2	Surface characterization: Filtration	155
12.5.3	Surface characterization: Field parameters	155
12.5.4	Drawing Indication	155
	<i>Figure 180 – Example of Areal surface texture indication</i>	156
<b>Section 13</b>	<b>Symbols and abbreviations</b>	157
13.1	Symbols and abbreviations	157
13.1.1	General	157
13.1.2	Standard symbols and abbreviations	157
<b>Section 14</b>	<b>Document handling</b>	159
14.1	Types of documentation	159
14.1.1	General	159
14.1.2	Presentation media	159

14.2	Security	159
14.2.1	Introduction	159
14.2.2	General security	159
14.2.3	Enhanced security	160
14.2.4	Security level identification	160
14.3	Storage	160
14.4	Marking	160
14.4.1	General	160
14.4.2	Enhanced security	160
14.5	Protection notices	160
<b>Annex A</b>	<b>(normative) Normative references</b>	<b>161</b>
<b>Annex B</b>	<b>(informative) Bibliography</b>	<b>169</b>
<b>Annex C</b>	<b>(informative) Associations</b>	<b>171</b>
C.1	Association operations	171
C.2	Default association operations	172
	<i>Table C.1 – Default association operations used when defining datums</i>	172
C.3	Non default association operations	172
	<i>Figure C.1 – Example of individual specification operator for a datum association</i>	173
C.4	Examples of datums obtained from different datum features	174
C.4.1	Datum based on a planar datum feature	174
	<i>Figure C.2 – Primary datum based on a planar datum feature</i>	174
	<i>Figure C.3 – Associated feature</i>	175
C.4.2	Datum based on two parallel, opposed planes (external)	175
C.4.3	Datum based on two parallel, opposed planes (internal)	175
	<i>Figure C.4 – Primary datum based on two parallel opposed planes</i>	176
C.4.4	Datum based on an external cylindrical feature	176
C.4.5	Datum based on an internal cylindrical feature	177
	<i>Figure C.5 – Primary datum based on an external cylindrical feature</i>	177
C.4.6	Datum based on an external spherical feature	178
	<i>Figure C.6 – Primary datum based on an external spherical feature</i>	178
C.4.7	Datum based on an internal spherical feature	178
C.4.8	Datum based on an external or internal cone	179
	<i>Figure C.7 – Primary datum feature based on a conical feature</i>	179
C.4.9	Datum based on an external or internal wedge	180
	<i>Figure C.8 – Primary datum based on a wedge</i>	180
C.4.10	Prismatic feature	181
	<i>Figure C.9 – Datum for prismatic feature</i>	181
	<i>Figure C.10 – Nonideal prismatic surface</i>	181
	<i>Figure C.11 – Situation features for prismatic surface</i>	182
	<i>Figure C.12 – Primary datum based on a prismatic surface</i>	183
C.4.11	Complex surface	183
	<i>Figure C.13 – Primary datum based on a complex surface</i>	184
<b>Annex D</b>	<b>(normative) Document security – Enhanced</b>	<b>185</b>
D.1	Enhanced security	185
D.2	Identification of security classification	185
D.3	Marking for enhanced security	185
<b>Annex E</b>	<b>(informative) Implementation in CAD</b>	<b>186</b>
E.1	General	186

E.2	Implementation according to BS 8888 and BS EN ISO 5459	186
	<i>Figure E.1 – Implementation according to BS 8888 and BS EN ISO 5459</i>	186
E.3	Implementation according to most CAD software	187
	<i>Figure E.2 – Implementation according to most CAD software</i>	187
<b>Annex F</b>	<b>(informative) Tolerancing system: Former practice</b>	<b>188</b>
	<i>Figure F.1 – BS 8888 independency system symbol</i>	188
	<i>Figure F.2 – BS 8888 dependency system symbol</i>	188
<b>Annex G</b>	<b>(informative) Selected ISO fits: Hole and shaft basis</b>	<b>189</b>
	<i>Table G.1 – Selected ISO fits: Hole basis</i>	190
	<i>Figure G.2 – Selected ISO fits: Shaft basis</i>	192
<b>Annex H</b>	<b>(informative) Filtration</b>	<b>194</b>
H.1	Introduction	194
H.2	Filter types	194
H.3	Filters and nesting indices	195
H.4	Default filters	195
H.5	Examples	195
<b>Annex I</b>	<b>(informative) Dimensioning of slots</b>	<b>196</b>
I.1	Defining the size of the slot	196
	<i>Figure I.1 – Dimensioning slots with rounded ends</i>	196
	<i>Figure I.2 – Profile tolerance</i>	197
I.2	Defining the location of the slot	197
	<i>Figure I.3 – Defining the location of a slot</i>	197

### Summary of pages

This document comprises a front cover, an inside front cover, pages i to xiv, pages 1 to 197, and a back cover.

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# Foreword

## Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 January 2020. It was prepared by Technical Committee TDW/4/8, *BS 8888 Technical product specification*, under the authority of Technical Committee TDW/4, *Technical product realization*. A list of organizations represented on these committees can be obtained on request to their secretary.

## Supersession

This British Standard supersedes BS 8888:2017, which is withdrawn.

## Information about this document

This edition of the standard is a full revision. It introduces relevant international standards published since the 2017 edition. It also incorporates more fully than previous editions some of the fundamental requirements of the key international standards relevant to the preparation of technical product specifications, such as [BS EN ISO 1101](#) and [BS EN ISO 5459](#). It is hoped that UK industry will find this edition of BS 8888 more user-friendly than previous editions. It aims to help organizations better understand and implement the full complement of international standards developed by ISO/TC 213, *Geometrical product specifications and verification*, and ISO/TC 10, *Technical product documentation*.

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at [bsigroup.com/standards](http://bsigroup.com/standards), or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

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## Relationship with other publications

The function of BS 8888 is to draw together, in an easily accessible manner, the full complement of international standards relevant to the preparation of technical product specifications. However, it is not the intention for BS 8888 to be a “stand-alone” standard. TDW/4 is responsible for a suite of related national standards, including the various parts of [BS 8887](#), [BS 8889](#) and [PD 68888](#), a new training document.

BS 8888 was taken up by the Ministry of Defence in 2006 as part of its DEF-STAN for defence project specification.

## Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

*Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.*

In addition, information boxes provide additional informative material that might otherwise have appeared in informative annexes but was felt to be best placed in the main body of text.

All dimensions shown in the figures in this British Standard are in millimetres.

### **Contractual and legal considerations**

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

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# Section 1 Scope

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## 1.1 Scope

This British Standard specifies requirements for technical product documentation and specification, principally for manufacturing industries and organizations associated with engineering disciplines, such as mechanical, electrical, nuclear, automotive, aerospace and medical devices.

The needs of building, architectural, civil, and structural engineering and construction services industries continue to be covered by the [BS 1192](#) series of standards.

Most of this British Standard consists of an implementation of the ISO system for technical product documentation and specification. The ISO system is defined in a large number of interlinked and related international standards which are referenced in this British Standard.

The purpose of this British Standard is to facilitate the use of the ISO system by providing:

- an index to the international standards which make up the ISO system, referencing them according to their area of application;
- key elements of the ISO standards to facilitate their application;
- references to additional British and European standards where they provide information or guidance over and above that provided by ISO standards; and
- commentary and recommendations on the application of the standards where this is deemed useful.

The requirements refer to international and European standards which have been implemented as British Standards, either in the BS EN, BS EN ISO, BS ISO series or as international standards renumbered as British Standards.

[Annex A \(normative\)](#) contains a list of normative references, indispensable for the application of this British Standard.

[Annex B \(informative\)](#) contains a list of informative references.

[Annex C \(informative\)](#) gives information about association.

[Annex D \(normative\)](#) contains requirements for enhanced document security.

[Annex E \(informative\)](#) gives information about the implementation of datums and datum features in CAD.

[Annex F \(informative\)](#) demonstrates former practice for tolerancing.

[Annex G \(informative\)](#) gives selected ISO fits for holes and shafts.

[Annex H \(informative\)](#) explains how data representing a manufactured surface are filtered by the measurement process.

[Annex I \(informative\)](#) gives further information about the dimensioning of slots.

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## 1.2 Normative references

The documents listed in [Annex A](#) are referred to in the text in such a way that some or all of their content constitutes provisions of this document<sup>1)</sup>. For dated references, only the edition cited applies.

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<sup>1)</sup> Documents that are referred to solely in an informative manner are listed in the Bibliography ([Annex B](#)).