

DIN EN ISO 7519:2025-01 (E)

Technical product documentation (TPD) - Construction documentation - General principles of presentation for general arrangement and assembly drawings (ISO 7519:2024)

Contents		Page
European foreword		4
Foreword		5
Introduction		6
1 Scope		7
2 Normative references		7
3 Terms and definitions		7
4 Construction drawings		8
4.1 General principles		8
4.1.1 Standardized and documented approach to communication		8
4.1.2 Conveyance of purposes		8
4.1.3 Dimensional accuracy		8
4.1.4 Use of content from scanned sources		9
4.1.5 Provision and robustness of external references		9
4.2 Types of drawings		9
4.3 Organization of drawing sets		9
4.3.1 Supplementary information of drawings		9
4.3.2 Hierarchy and grouping of drawings		10
4.4 Site plan		10
4.5 Site layout drawing		11
4.6 General arrangement drawings		12
4.7 Assembly drawings		12
4.8 Component drawings		13
4.9 Detail drawings		13
5 General techniques		13
5.1 General		13
5.2 General representation techniques		13
5.2.1 Simplification		13
5.2.2 Representation types		13
5.3 Simplified representation		14
5.3.1 General		14
5.3.2 Simplified low level representation		14
5.3.3 Simplified medium level representation		14
5.3.4 Simplified high-level representation		14
5.3.5 Simplified detailed representation		15
5.4 Graphical symbols		15
5.4.1 General		15
5.4.2 Graphical symbol types		16
5.4.3 Presentation		16
5.4.4 Consistent understanding		16
5.4.5 Readability		16
5.5 Lines		16
5.5.1 Line types		16
5.5.2 Line width		17
5.5.3 Line use for parts in the cutting plane		17
5.5.4 Line use for parts in front of the cutting plane		17
5.5.5 Line use for parts beyond the cutting plane		17

5.5.6	Line use for indicating function within a simplified representation	18
5.5.7	Line use for indicating function within a graphical symbol.....	18
5.5.8	Other line uses.....	18
5.6	Hatching, shading and colour	19
5.6.1	Purpose.....	19
5.6.2	Hatching and scale.....	19
5.6.3	Hatching of large area.....	19
5.7	Alphanumerical information	20
5.7.1	General.....	20
5.7.2	Text styles and height	20
5.7.3	Designations.....	20
5.7.4	General text.....	20
5.7.5	Reference keynotes.....	20
5.7.6	Schedules and lists.....	21
6	Application of representation.....	21
6.1	Stairs and ramps	21
6.2	Doors	22
6.2.1	Simplified representation	22
6.2.2	Door swings	23
6.3	Windows.....	23
6.4	Suspended ceilings.....	24
6.5	Openings, holes and recesses	24
6.5.1	Openings and holes	24
6.5.2	Recesses	25
6.6	Arrow symbols.....	25
6.7	Referencing and cross referencing.....	25
	Annex A (informative) Examples of door and window representation.....	27
	Annex B (informative) Materials in plan or section.....	30
	Bibliography.....	32