

ISO 128-3:2022-08 (E)

Technical product documentation (TPD) - General principles of representation - Part 3: Views, sections and cuts

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Basic conventions for views	2
4.1 General information on views	2
4.2 Choice of views	3
4.3 Partial views	3
4.4 Simplified view of symmetrical parts	4
4.5 First-angle projection method	4
4.6 First-angle projection method views	4
4.7 First-angle projection graphical symbol	5
4.8 Third-angle projection method	5
4.9 Third-angle projection method views	5
4.10 Third-angle projection graphical symbol	6
4.11 Other projection methods	6
4.12 Enlarged features	6
5 Reference indication for views and enlarged features	7
5.1 General	7
5.2 Details of the reference indication	7
5.3 Examples of indication	8
6 General information on cuts and sections	9
6.1 General	9
6.2 Indication of cuts and sections	9
6.2.1 Cutting plane	9
6.2.2 Identification of the cutting plane	9
6.2.3 Identification of the cuts and sections	9
6.2.4 Reference indication for cuts and sections	10
6.3 Sections revolved in the relevant view	11
6.4 Cuts/sections of symmetrical parts	12
6.5 Local cuts/sections	12
7 Basic conventions for representing areas on cuts and sections	13
7.1 General information on cuts and sections	13
7.2 Hatching	13
7.3 Shading or toning	14
7.4 Extra-wide continuous outlines	15
7.5 Thin sections	15
7.6 Thin adjacent sections	15
7.7 Specific materials	16
Annex A (normative) Graphical symbols	17

Annex B (informative) Former practices	20
Annex C (normative) Views on mechanical engineering technical drawings	22
Annex D (normative) Sections on mechanical engineering technical drawings	34
Annex E (normative) Projection methods in building technical drawings	39
Annex F (normative) Representation of views, sections and cuts on construction drawings	41
Bibliography	48