

ISO 3785:2023-05 (E)

Metallic materials - Designation of test specimen axes in relation to product texture

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Designation system	1
4.1	General	1
4.2	Exception -- not aligned	1
4.3	Exception -- no grain flow	2
5	Designation of unnotched specimens	2
5.1	General	2
5.2	Sheet, plate, bar (flat rolled products)	2
5.2.1	Aligned, grain flow different in all three orthogonal directions	2
5.2.2	Not aligned, grain flow different in all three orthogonal directions	2
5.2.3	Aligned, equal cross-sectional grain flow	2
5.2.4	Not aligned, equal cross-sectional grain flow	2
5.3	Cylinders and thick-walled tubes	3
5.4	Thin-walled tubes, helical grain flow	3
5.5	Castings	3
6	Designation of notched (or precracked) specimens	3
6.1	General	3
6.2	Aligned	3
6.3	Not aligned	3
6.4	No grain flow	3
6.5	Welds	3
6.6	Additive manufacturing	4
7	Application of designation system in material specification	4
7.1	General	4
7.2	Non-uniform grain flow	4
7.3	Specifications	4
7.4	Comparisons	4
Annex A (informative)	Influence of mechanical working on material structure and properties	8
Bibliography		9