

ISO 8458-2:2026-01 (E)

Steel wire for mechanical springs - Part 2: Patented cold-drawn non-alloy steel wire

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Classification and designation	1
5	Dimensions and supply conditions	2
5.1	Dimensional tolerances	2
5.2	Welds	2
5.3	Cast of the wire	2
5.4	Straightness of cut lengths	2
6	Requirements	3
6.1	Material	3
6.1.1	General	3
6.1.2	Chemical composition	3
6.2	Coating and surface finish	3
6.3	Surface quality	4
6.4	Mechanical properties	4
6.5	Technological properties	7
6.5.1	Wrapping test	7
6.5.2	Torsion test	7
6.5.3	Bend test	8
6.5.4	Coiling test	8
7	Inspection and testing	8
7.1	Test methods and other requirements	8
7.2	Extent of testing	8
Bibliography		10