

# ISO 1436:2020 (E)

## Rubber hoses and hose assemblies — Wire-braid-reinforced hydraulic types for oil-based or water-based fluids — Specification

---

### Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Classification
5	Materials and construction
5.1	Hoses
5.2	Hose assemblies
6	Dimensions
6.1	Hose diameters and hose concentricity
6.2	Length
7	Performance requirements
7.1	General
7.2	Hydrostatic requirements
7.3	Minimum bend radius
7.4	Resistance to impulse
7.4.1	Oil-based fluid impulse test
7.4.2	Water-based fluid impulse test
7.5	Leakage of hose assemblies
7.6	Low temperature flexibility
7.7	Adhesion between components
7.8	Vacuum resistance
7.9	Abrasion resistance
7.10	Fluid resistance
7.10.1	General
7.10.2	Oil resistance
7.10.3	Water resistance
7.11	Ozone resistance
7.12	Visual examination
8	Frequency of testing
9	Marking
9.1	Hoses
9.2	Hose assemblies
Annex A	(normative) Test frequency for type tests and routine tests
Annex B	(informative) Production acceptance tests
Annex C	(informative) Recommendations for lengths of supplied hoses and tolerances on length of hose assemblies
C.1	Hoses
C.2	Hose assemblies