

ISO 3862:2020-02 (E)

Rubber hoses and hose assemblies - Rubber-covered spiral-wire-reinforced hydraulic types for oil-based or water-based fluids - Specification

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification	2
5	Materials and construction	2
5.1	Hoses	2
5.2	Hose assemblies	2
6	Dimensions	2
6.1	Hose diameters and hose concentricity	2
6.2	Length	5
7	Performance requirements	5
7.1	General	5
7.2	Hydrostatic requirements	5
7.3	Minimum bend radius	6
7.4	Resistance to impulse	6
7.4.1	Oil-based fluid impulse test	6
7.4.2	Water-based fluid impulse test	7
7.5	Leakage of hose assemblies	7
7.6	Low temperature flexibility	7
7.7	Adhesion between components	7
7.8	Abrasion resistance	8
7.9	Fluid resistance	8
7.9.1	General	8
7.9.2	Oil resistance	8
7.9.3	Water resistance	8
7.10	Ozone resistance	8
7.11	Visual examination	8
8	Frequency of testing	8
9	Marking	9
9.1	Hoses	9
9.2	Hose assemblies	9
Annex A (normative) Test frequency for type tests and routine tests		10
Annex B (informative) Production acceptance tests		11
Annex C (informative) Recommendations for lengths of supplied hoses and tolerances on length of hose assemblies		12
Bibliography		13