

ISO 11237:2025-05 (E)

Rubber hoses and hose assemblies - Compact wire-braid-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	2
6.2	Concentricity	4
6.3	Hose cover thickness	4
7	Performance requirements	4
7.1	General	4
7.2	Change in length requirements	4
7.3	Hydrostatic requirements	5
7.4	Minimum bend radius	6
7.5	Resistance to impulse	7
7.6	Leakage of hose assemblies	7
7.7	Low temperature flexibility	7
7.8	Adhesion between components	7
7.9	Vacuum resistance	7
7.10	Fluid resistance	8
7.10.1	General	8
7.10.2	Oil resistance	8
7.10.3	Water-based fluid resistance	8
7.10.4	Water resistance	8
7.11	Ozone resistance	8
7.12	Visual examination	9
8	Frequency of testing	9
9	Marking	9
9.1	Hoses	9
9.2	Hose assemblies	9
10	Length of supplied hoses and hose assemblies	10
Annex A (normative) Test frequency for type tests and routine tests		11
Annex B (informative) Lengths of supplied hoses and length tolerances for hose assemblies		12
Bibliography		13