

DIN EN 853:2026-08 (E)

Rubber hoses and hose assemblies - Wire braid reinforced hydraulic type - Specification

Contents

Page

European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Types of hoses	5
5 Materials and construction	5
5.1 Hoses	5
5.2 Hose assemblies	5
6 Dimensions	5
6.1 Diameters and concentricity	5
6.2 Length	7
6.2.1 Hoses	7
6.2.2 Hose assemblies	7
7 Requirements	8
7.1 Hydrostatic requirements	8
7.2 Minimum bend radius	9
7.3 Impulse test requirements	10
7.4 Leakage of hose assemblies	10
7.5 Low temperature flexibility	10
7.6 Adhesion between components	11
7.7 Vacuum resistance	11
7.8 Abrasion resistance	11
7.9 Fluid resistance	12
7.9.1 Test pieces	12
7.9.2 Oil resistance	12
7.9.3 Water based fluid resistance	12
7.9.4 Water resistance	12
7.10 Ozone resistance	12
8 Designation	12
9 Frequency of testing	12
10 Marking	13
10.1 Hoses	13
10.2 Hose assemblies	13
Annex A (normative) Test frequency for type tests and routine tests	14
Bibliography	16