

DIN EN 856:2020-08 (E)

Ruber hoses and hose assemblies - Rubber-covered spiral wire reinforced hydraulic type - Specification

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Types of hose	5
4	Materials and construction	5
4.1	Hoses	5
4.2	Hose assemblies	5
5	Dimensions	5
5.1	Diameters and concentricity	5
5.2	Length	7
5.2.1	Hoses	7
5.2.2	Hose assemblies	7
6	Requirements	8
6.1	Hydrostatic requirements	8
6.2	Minimum bend radius	8
6.3	Impulse test requirements	9
6.4	Leakage of hose assemblies	9
6.5	Cold flexibility	9
6.6	Adhesion between components	9
6.7	Abrasion resistance	10
6.8	Fluid resistance	10
6.8.1	Test pieces	10
6.8.2	Oil resistance	10
6.8.3	Water based fluid resistance	10
6.8.4	Water resistance	10
6.9	Ozone resistance	10
7	Designation	10
8	Marking	11
8.1	Hoses	11
8.2	Hose assemblies	11
Annex A (normative) Procedure for the measurement of abrasion		12
A.1	Apparatus	12
A.2	Method	13
A.3	Test pieces	13
A.4	Condition of test pieces	14
A.5	Procedure	14
A.6	Expression of results	14
A.7	Test report	15
Annex B (normative) Type and routine testing of production hoses		16
Annex C (informative) Production acceptance testing		17