

DIN EN 856



ICS 23.100.40

Supersedes  
DIN EN 856:2016-09

**Ruber hoses and hose assemblies –  
Rubber-covered spiral wire reinforced hydraulic type –  
Specification;  
English version EN 856:2015+AC:2019,  
English translation of DIN EN 856:2020-08**

Gummischläuche und -schlauchleitungen –  
Hydraulikschläuche mit Drahtspiraleinlage –  
Spezifikation;  
Englische Fassung EN 856:2015+AC:2019,  
Englische Übersetzung von DIN EN 856:2020-08

Tuyaux et flexibles en caoutchouc –  
Type hydraulique avec armature hélicoïdale de fils métalliques –  
Spécification;  
Version anglaise EN 856:2015+AC:2019,  
Traduction anglaise de DIN EN 856:2020-08

Document comprises 21 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

*A comma is used as the decimal marker.*

## National foreword

This document (EN 856:2015+AC:2019) has been prepared by Technical Committee CEN/TC 218 “Rubber and plastics hoses and hose assemblies” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was *DIN-Normenausschuss Elastomer-Technik* (DIN Standards Committee Elastomer Technology), Working Committee NA 045-02-12 AA “Rubber and plastics hoses and hose assemblies (national mirror committee for CEN/TC 218, ISO/TC 45/SC 1)”.

NOTE The requirements for hydraulic hoses for underground mining are dealt with in separate standards.

The DIN documents corresponding to the international documents referred to in this document are as follows:

ISO 1817	DIN ISO 1817
ISO 23529	DIN ISO 23529

For current information on this document, please go to DIN’s website ([www.din.de](http://www.din.de)) and search for the document number in question.

## Amendments

This standard differs from DIN EN 856:1997-02 as follows:

- a) the standard has been technically and editorially revised;
- b) Clause 2 has been updated;
- c) in 5.1, Table 1, the tolerances for inside diameters have been adapted;
- d) in 6.7, details of abrasion resistance testing have been modified due to the withdrawal of ISO 6945;
- e) a new normative Annex A has been added;
- f) a new normative Annex B has been added;
- g) a new informative Annex C has been added.

Compared with DIN EN 856:2016-09, the following corrections have been made:

- a) in Clause 1 “Scope”, the first sentence has been complemented by including “Types 4SP, 4SH, R12 and R13” according to the reference version (applies to the German version only);
- b) in 6.1.2, “+2% and –4%” has been changed to “+2% to –4%” (applies to the German version only);
- c) in Clause A.5, the last sentence is now normative (applies to the German version only);
- d) in 4.1, A.1, A.2, A.3 and A.5, the translation has been adapted to the reference version (applies to the German version only);
- e) the standard has been editorially revised.

**Previous editions**

DIN 20023: 1978-11

DIN 20023-1: 1987-03

DIN 20023-2: 1987-03

DIN EN 856: 1997-02, 2016-09

**National Annex NA**  
(informative)

**Bibliography**

DIN ISO 1817, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

DIN ISO 23529, *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*