

ORIGINAL SCHNORR® Safety Washers Malaysia.

ORIGINAL SCHNORR®

SAFETY WASHERS

The original SCHNORR® safety washers were developed as a reliable and economic bolt locking device with the basic principle of a disc spring. This ingenious form combines the advantage of security through friction and mechanical locking.

Original SCHNORR® safety washers are now used world wide where secure fastening connections to counter the effect of vibration are required.

Functional Principle

SCHNORR® safety washers are in the form of a disc spring but with a trapezoidal cross-section and serrations on both sides. The outer diameter is matched to the head diameter of the pan head and socket head cap screws.

SCHNORR® safety washers are available in two versions: the standard safety washer type "S" is available for screws of sizes M1.6 to M36 and of the property classes up to 8.8. For screws of property classes 8.8 and 10.9, higher pretension forces might be necessary. These are covered by our reinforced washers type "VS".

Due to the conical form, optimal traction is achieved at highest positive locking due to the helical gearing.

FUNCTIONALITY AND THE CORRECT USE

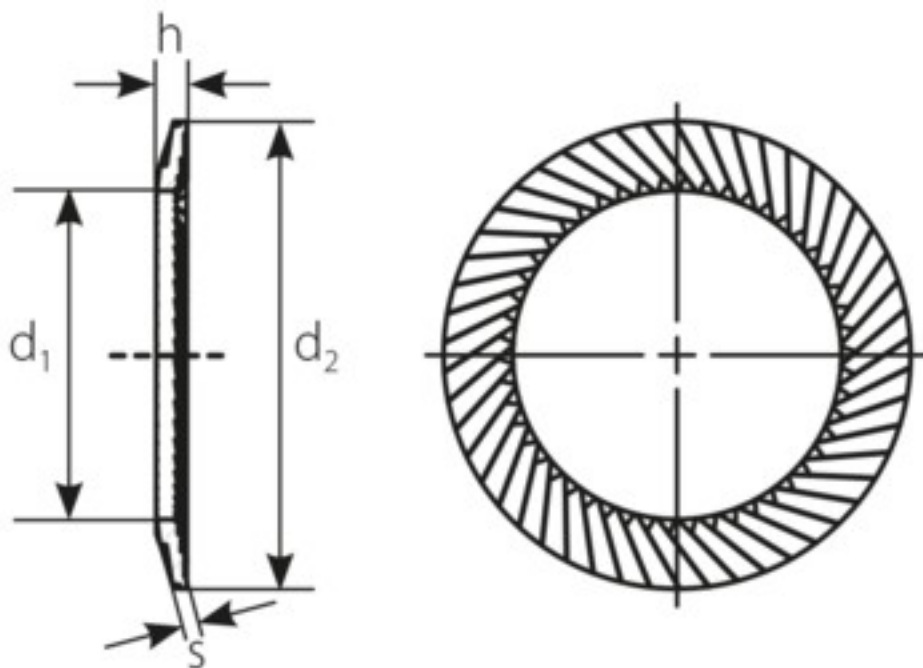
of the original SCHNORR safety washers are briefly explained within the following video



THE ORIGINAL SCHNORR®

SAFETY WASHER TYPE „S“

The Original SCHNORR® safety washer „S“ is suitable for normal requirements and available for bolt sizes from M 1,6 to M 36 in grades up to 8.8.



**Designation of an original
SCHNORR® Safety Washer „S“:**

d_1 = Inner diameter

d_2 = Outer diameter

s = Thickness

h_{max} = Maximum dimension as delivered

h_{min} = Minimum dimension after load test

Within the following product finder you will find disc springs manufactured of the following materials:

- **Standard materials (C60S (1.1211))**
- **Corrosion-resistant materials (X5 CrNi 18-10 (1.4301))**

Further versions:

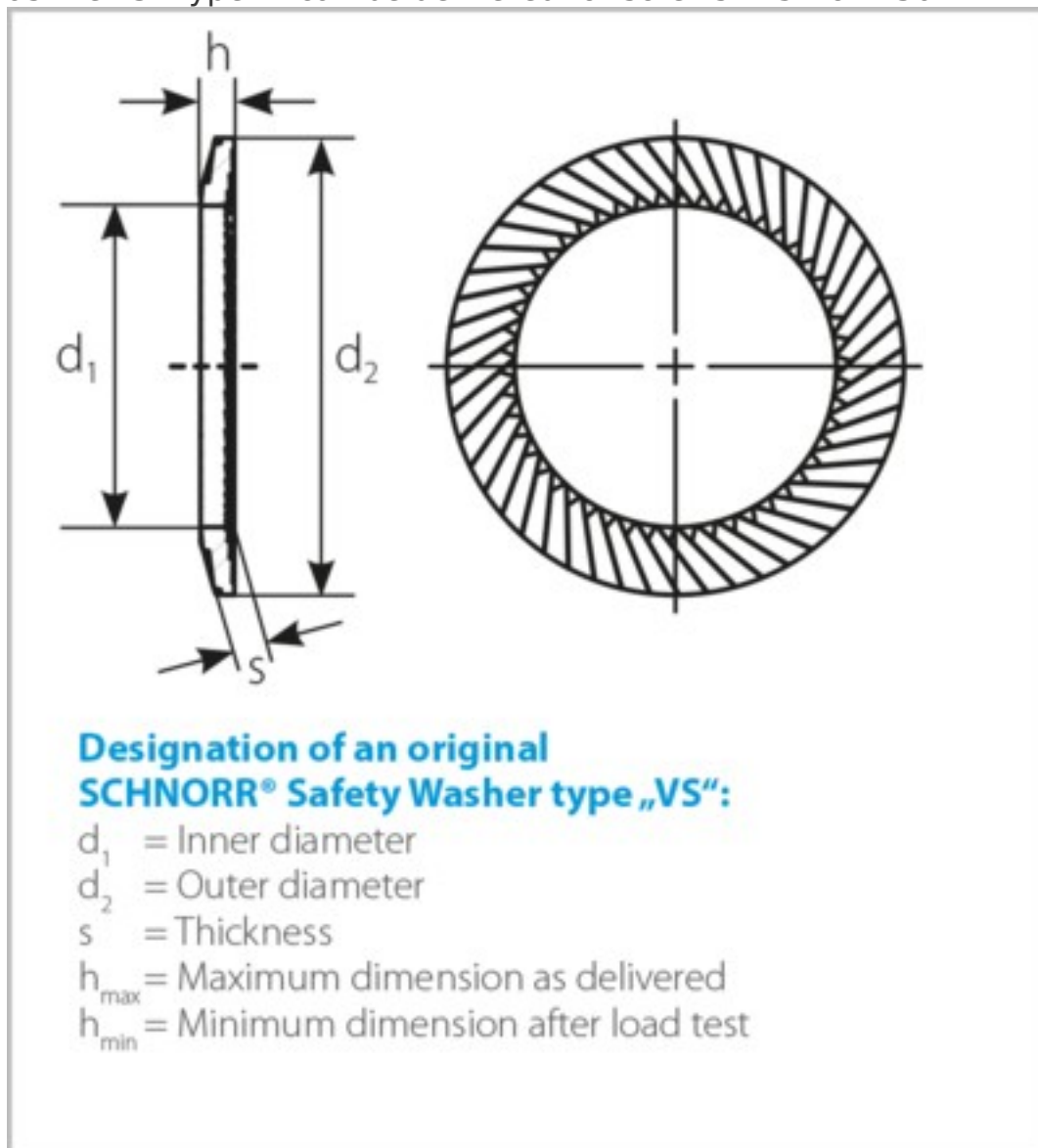
Furthermore, we also manufacture from special materials.

ORIGINAL SCHNORR®

SAFETY WASHERS TYPE „VS“

The Original SCHNORR® Safety Washer “VS” can be used with high-strength bolts of the grade 8.8 -10.9 without any restrictions. This extra strong safety washer has a greater thickness for higher pre-tensioning

loads. The outside inside diameter as well and the serrations are the same as the "S" type. It can be delivered for screws M 5 t o M 30.



Within the following product finder you will find disc springs manufactured of the following materials:

- **Standard materials (C60S (1.1211))**
- **Corrosion-resistant materials (X5 CrNi 18-10 (1.4301))**

Further versions:

Furthermore, we also manufacture from special materials.

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SAFETY WASHERS „UV“ CAPTIVE FITTING ON BOLTS

For screws with captive safety washers.

These safety washers are dimensioned so they can be fitted to bolts or screws from M2.5 to M10. This is done prior to thread rolling so the safety washers are captive.





Request a Technical Consultation

Looking for a reliable solution to reduce bolt loosening and improve joint integrity?

Our engineering team can help you select the right **ORIGINAL SCHNORR® Safety Washer** for your application and provide practical recommendations for long-term reliability.

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Serving customers across Malaysia and Southeast Asia with German-engineered bolted joint solutions.