



RODOLID[®]



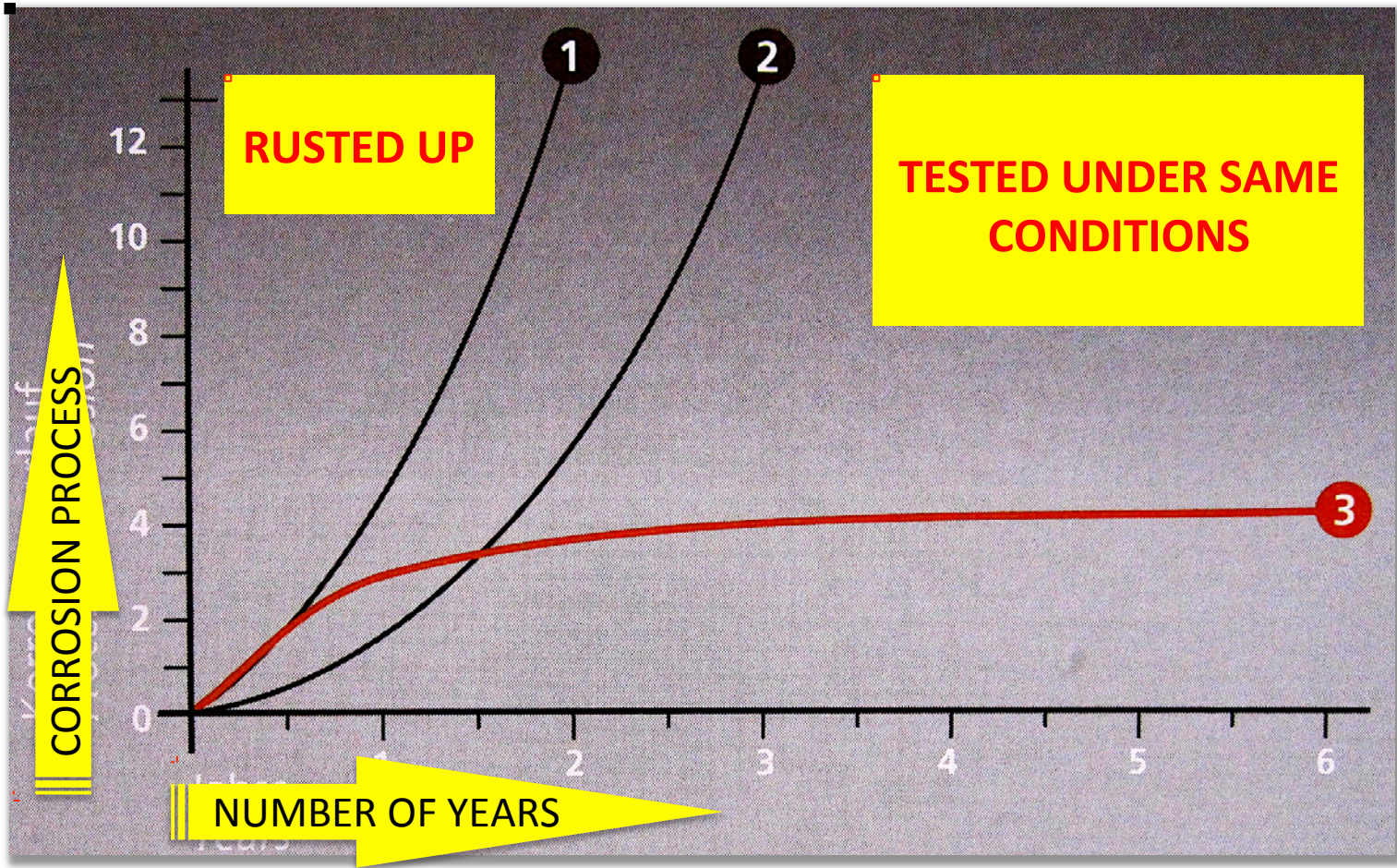
Protective Caps that feature a captive, soft sealing lip made from elastic, flexible material that adapts to suit the base of the nut, providing an excellent seal and guaranteeing a stable hold. These caps are especially suited for use on nuts and bolts in damp and off-shore environments, enhancing lifespan and running times of Plant and Machinery.

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RODOLID®

Technische Daten
Technical Data





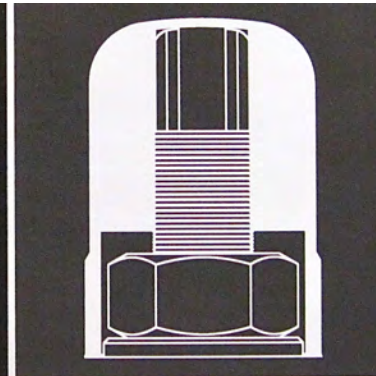
- 1 unprotected
- 2 with plating
- 3 with RADOLID caps







TYPE SERIES B AND M
Robust, heavy-duty, protective caps
for extreme requirements



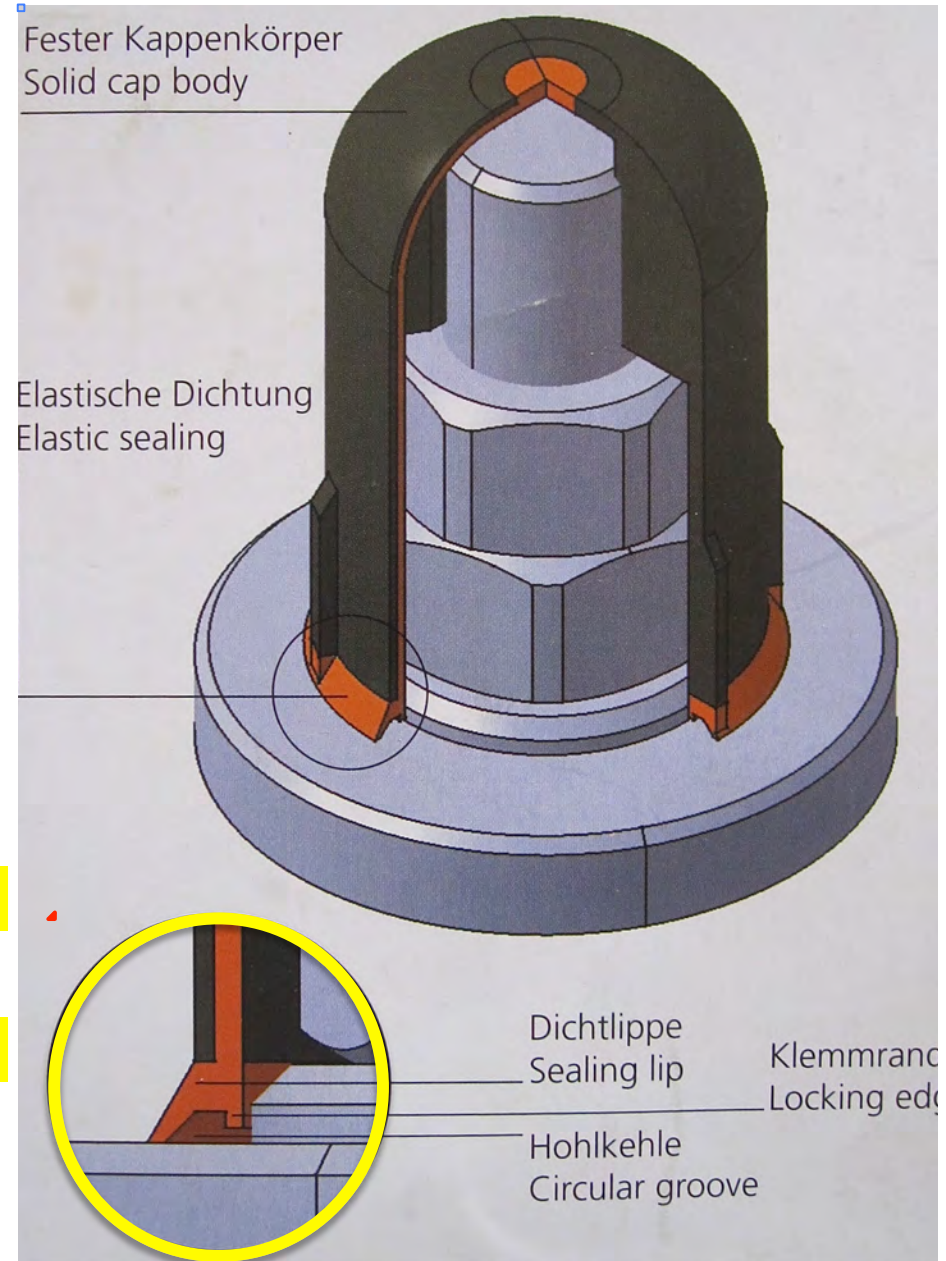
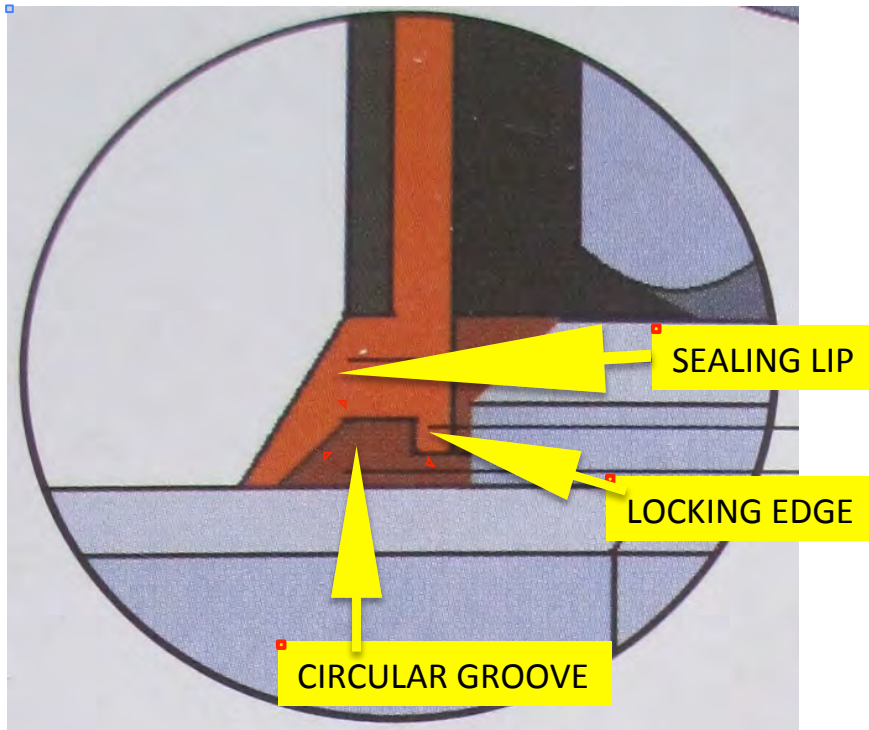
We develop lasting solutions for extreme conditions. Even large and heavy-duty screws are reliably protected.

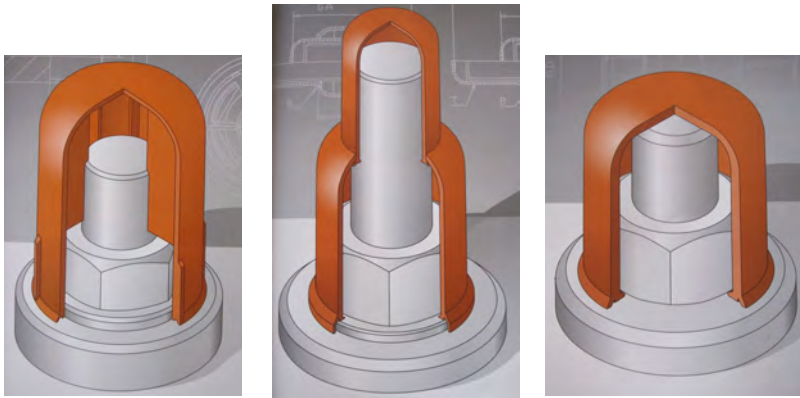
ESW/ESM CAPS



ESW/ESM CAPS

These protective caps are produced by 2K process. The New caps feature a captive, soft sealing lip made from An elastic, flexible material that can be adapted to suit The base, hence providing an excellent seal. The cap Body is from a more solid material, guaranteeing a reliable and stable hold. These caps are therefore highly suited for use in damp and salty conditions and off-shore technology. *Bolted connections protected against corrosion by RADOLID ESW/EBM caps increase The lifespan & running times of plant and machinery. Maintenance costs are cut!* ESW/ESM caps come in a number of different designs and can therefore also be supplied in for locknuts and threaded ends.





LOCKING CAPS for different applications

- ▣
 1. STANDARD – for bolted joints without washers
 2. With lengthened lip to protect washer
 3. For 2 or thicker washers
 4. For large diameter washer
 5. Locking edge catches below the facet, or jams because of tension
 6. The circular groove forms a protective chamber between sealing lip and locking edge
 7. The circular x-section reduces capillary action, compensates hexagon tolerances
 8. Different heights for longer bolt lengths above the nut
 9. Easy assembly by hand or hammer
 10. Threaded ridges – bolt threads cut themselves into the cap thread ridges regardless of profile or pitch
 11. The sealing Lip seals around hex or round nuts or two nuts
 12. For various bolt lengths

new
elastic

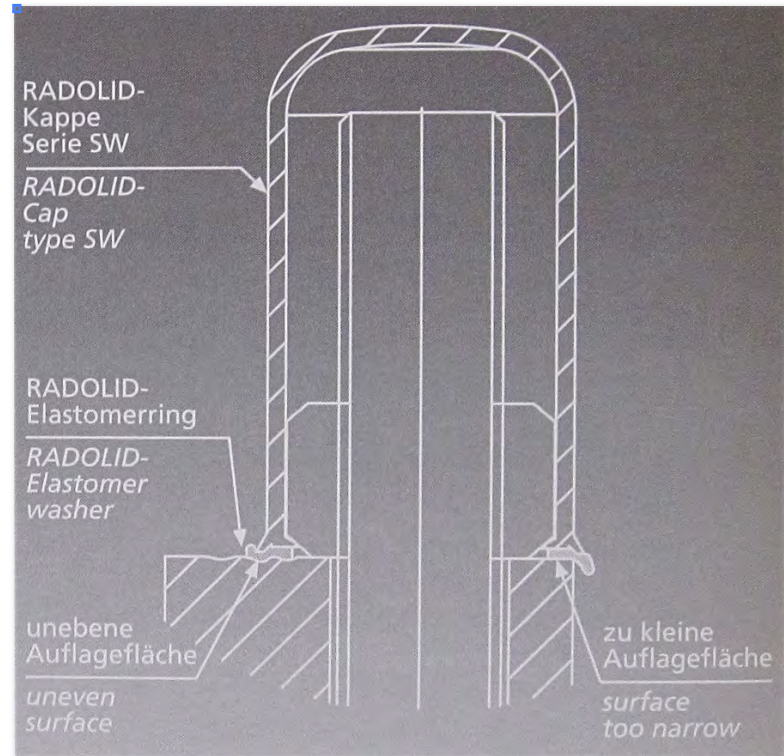


ADDITIONALS

ELASTOMER WASHERS

Elastomer washers for RADOLID Protective caps
even out any uneven and narrow contact surfaces. They will be put over the already tightened up joint before assembling the RADOLID cap.

RADOLID-Elastomer washers are deliverable for all RADOLID-caps.



Technical Data

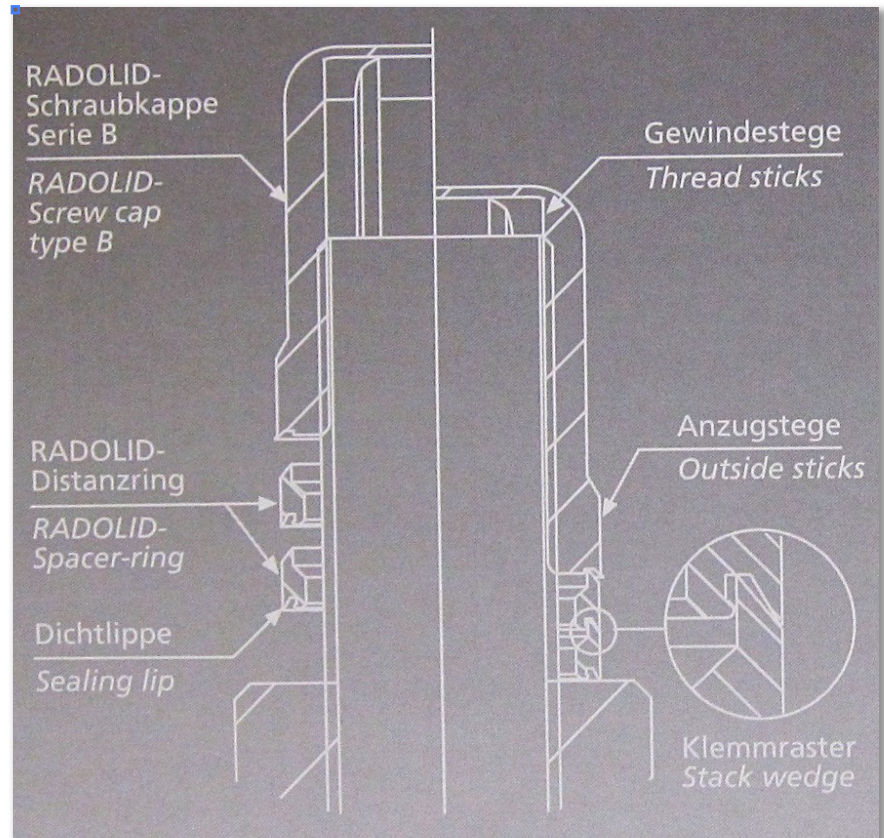
Material	Chloroprene rubber (compact cellular)
Hardness / Shore A	35 - 90
Resistance against weather cond.	very good
Resistance against ozone	very good
Resistance against oil	good
Temperature resistance	short term apr. ca. -30° C to +150° C long term apr. -20° C to +120° C

SPACER RINGS

Spacer-rings for screw caps type B

are the solution for screw joints where the necessary bolt length is longer than the available RADOLID screw cap and the manufacturing of a special cap is in term of low quantities not adequate.

RADOLID spacer-rings are equipped with a circular sealing lip and by a raster atmosphere sealed stackable. They will be put underneath the protection cap and pressed on by the cap. Different bolt lengths above the nut can be variable protected for optimum protection of the important screw joints.



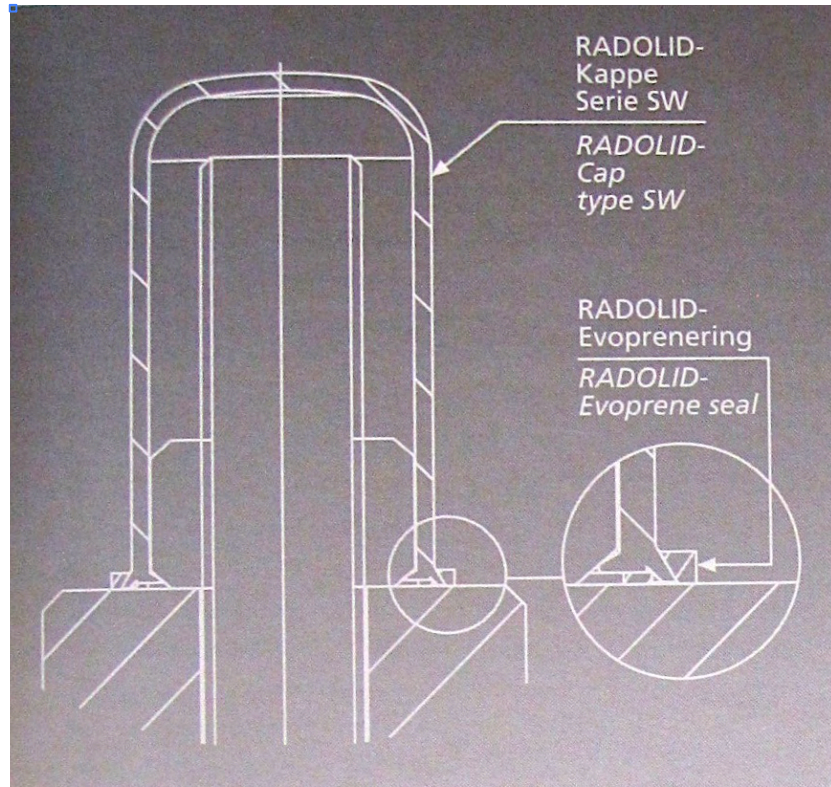
Distance rings for screw caps type B*

für Schraubenmaß/for screw dimensions	Ringhöhe/Height of ring
M30 - M90	12,5 mm
ab/from M100	25,0 mm

EVOPRENE SEALS

Evoprene seals

These rings are an additional seal made of Evoprene. This seal prevents humidity from penetrating, and adapts to any unevenness of the contact surface. Because of the special construction the seal can be attached to the cap before assembly. This guarantees fast assembly and a strong bond.



Technical Data

Material	Evoprene
Hardness / Shore A	40
Resistance against weather cond.	very good
Resistance against ozone	very good
Resistance against oil	very good
Temperature resistance	short term apr. ca. -30° C to +120° C long term apr.. -20° C to +100° C

KORREX GREASE

Korrex special grease MOS is a water-resistant multi-purpose grease for reducing corrosion. (MIL M-7966A ASG specification)

Shortened designation for ordering:

KORREX-GREASE

Possible temperature range:

ca. -50° to +140° C

Dropping point acc. to DIN 51801:

ca. + 190° C

Consistency acc. to DIN 51818:

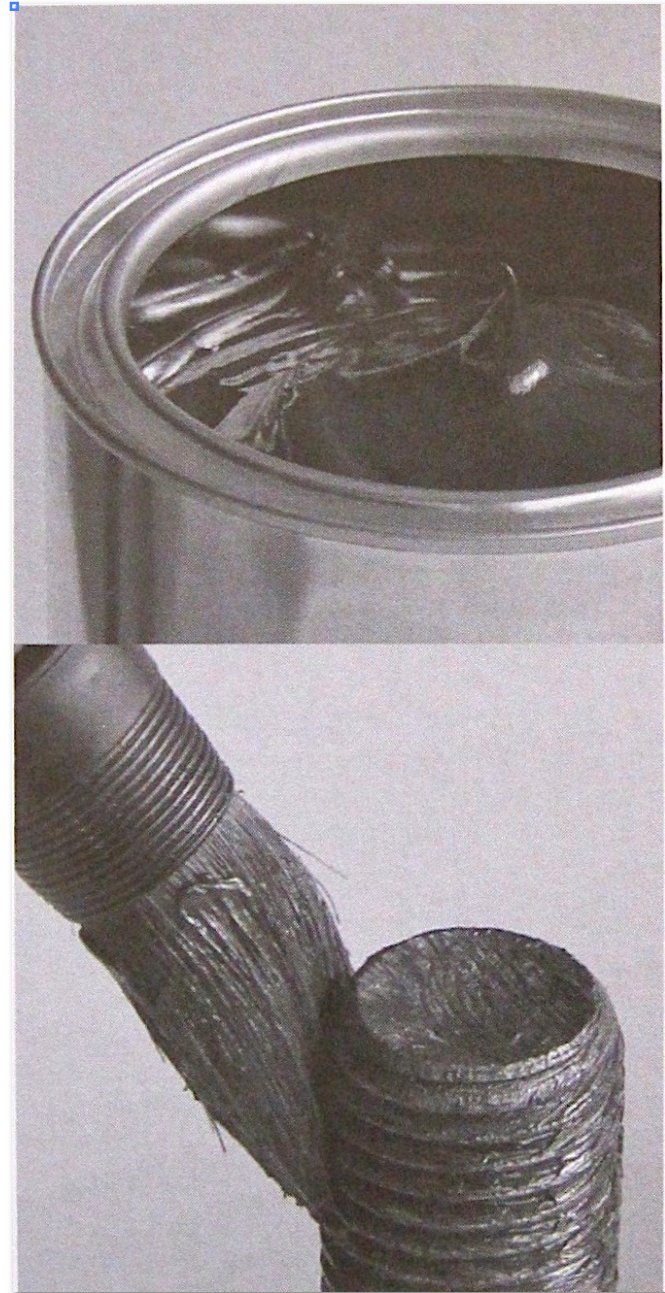
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Walkpenetration acc. to DIN 51805:

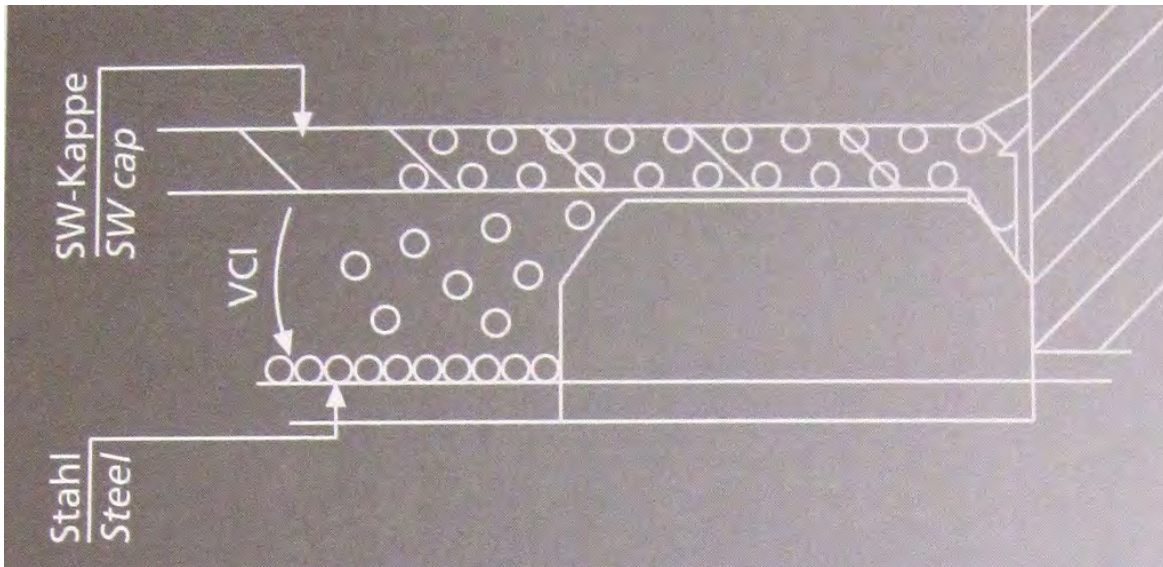
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Designation acc. to DIN 51802:

KL 2 K



VCI



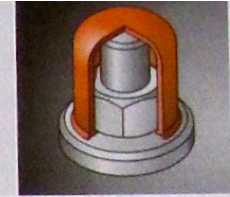
VCI

contains proprietary chemical formulations that release an invisible vapor, which is dispensed from the material of the protective cap.

The VCI molecules condense as a microscopic protective layer on all exposed metal surfaces inside the cap, and thereby preventing corrosion. The VCI inhibiting layer is maintained as long as there is no exchange of air within the cap.

Seite 4

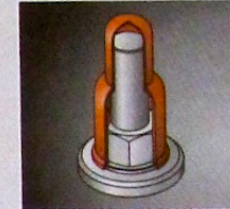
KLEMMKAPPEN SW für Sechskantschrauben und Sechskantmuttern
LOCKING CAPS SW for hexagon bolts and hexagon nuts



SW

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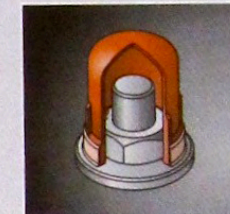
TELESKOPKAPPEN TSW für Sechskantschrauben und Sechskantmuttern
TELESCOPIC CAPS TSW for hexagon bolts and hexagon nuts



TSW

Seite 27

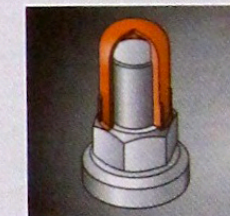
BAJONETTKAPPEN ASW für Sechskantschrauben und Sechskantmuttern
BAYONET CAPS ASW for hexagon bolts and hexagon nuts



ASW

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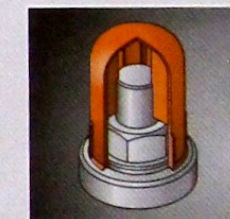
SCHRAUBKAPPEN B für Gewindeüberstände (Bolzen)
SCREW CAPS B for bolt threads



B

Seite 39

SCHRAUBKAPPEN BM für Bolzen und Muttern
SCREW CAPS BM for bolts and nuts



BM

Thermostatic Synthetic Materials & General Characteristics for RADOLID-Caps

□

Thermostatic Synthetic Materials

Standard material : Polyäthylen LD-PE

Special Materials:

- Polypropylen PP
- Polyesterelastomer
- Polyamid PA 66
- Äthylentetrafluoräthylencopolymer ETFE

□

General Characteristics

Depending on the type of material selected,
RADOLID Caps are resistant
against grease, oils, fuels, detergent;
water & sea water;
water solutions such as salts, acids and lyes;
aliphatic and aromatic compounds,
and 50% sulphuric acid.

*The ETFE types are even resistant against chlorine,
fluorine hydrocarbon, nitric acid, and hydrochloric acid.*