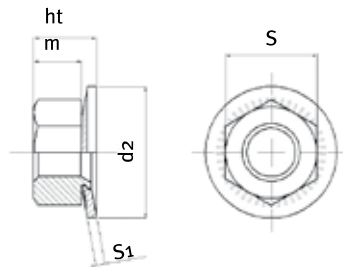
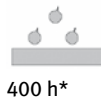


# Twolok contact CS



| English                           | Français                               | Deutsch                          | Italiano                            | Español                               |
|-----------------------------------|--|----------------------------------|-------------------------------------|---------------------------------------|
| Washer: Steel XC60 to XC68        | Rondelle: Acier XC60 à XC68            | Scheibe: Stahl XC60 bis XC68     | Rondella: Acciaio XC60 a XC68       | Arandela: Acero XC60 a XC68           |
| Hardness: 420 to 510 HV           | Dureté: 420 à 510 HV                   | Härte: 420 bis 510 HV            | Durezza: 420 a 510 HV               | Dureza: 420 a 510 HV                  |
| Nut: Low carbon steel Class 8     | Écrou: Acier bas carbone Classe 8      | Mutter: Stahl Klasse 8           | Dado: Acciaio Classe 8              | Tuerca: Acero clase 8                 |
| Zinc plated                       | Zingué                                 | Verzinkt                         | Zincato                             | Zincado                               |
| Clear passivated                  | Passivé clair                          | Transparent chromatiert          | Bianco                              | Pasivado claro                        |
| Friction coefficient: 0.12 - 0.18 | Coefficient de frottement: 0.12 - 0.18 | Reibungskoeffizient: 0.12 - 0.18 | Coefficiente d'attrito: 0.12 - 0.18 | Coefficiente de fricción: 0.12 - 0.18 |

\*: to red rust / à la rouille rouge / bis Rotrost / alla ruggine rossa / al óxido rojo



| Nut / Écrou / Mutter / Dado / Tuerca<br><br>ø | S    | ø d2<br>h14   | S <sub>1</sub> | ht    | m     | Part No/ref |
|---|------|---------------|----------------|-------|-------|-------------|
|   |      |               |                | max.  | min.  |             |
| M4 x 0.7                                      | 7.0  | 10.20 0/-0.40 | 0.8 ±0.03      | 4.60  | 2.90  | 45 04 02    |
|   |      | 14.20 0/-0.43 | 0.8 ±0.03      | 4.70  |       | 45 04 04    |
| M5 x 0.8                                      | 8.0  | 12.20 0/-0.43 | 1.0 ±0.04      | 6.30  | 4.40  | 45 05 02    |
|   |      | 14.20 0/-0.43 | 1.0 ±0.04      | 6.50  |       | 45 05 04    |
| M6 x 1.0                                      | 10.0 | 14.20 0/-0.43 | 1.1 ±0.04      | 7.10  | 4.90  | 45 06 02    |
|   |      | 18.20 0/-0.43 | 1.1 ±0.04      | 7.30  |       | 45 06 03    |
| M8 x 1.25                                     | 13.0 | 18.20 0/-0.43 | 1.4 ±0.04      | 9.10  | 6.44  | 45 08 02    |
|   |      | 22.25 0/-0.52 | 1.4 ±0.04      | 9.30  |       | 45 08 03    |
| M10 x 1.5                                     | 16.0 | 22.25 0/-0.52 | 1.6 ±0.05      | 11.10 | 8.04  | 45 10 52    |
|   |      | 27.00 0/-0.52 | 1.6 ±0.05      | 11.30 |       | 45 10 53    |
| M12 x 1.75                                    | 18.0 | 27.25 0/-0.52 | 1.8 ±0.05      | 13.80 | 10.80 | 45 12 52    |
| M14 x 1.5                                     | 21.0 | 27.25 0/-0.52 | 2.4 ±0.06      | 15.90 | 12.10 | 45 14 61    |

all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros

Quality level / Niveau qualité / Qualitätsniveau / Livello di qualità / Nivel de calidad: 150 ppm

Optional heat treatment : Class 10

Traitement thermique optionnel: Classe 10


Optionale Wärmebehandlung: Klasse 10

Trattamento termico opzionale: Classe 10

Tratamiento térmico opcional: Clase 10

# Twolok contact CS

## Finishes / finition / Oberflächen / superficie / superficie

| Type     | Description / description / Beschreibung / descrizione / descripción   | <del>Cr6</del> |  1) | Code <sup>2)</sup> |
|----------|--|----------------|--|--------------------|
| Standard | Zinc 8 µm mini clear passivation, friction coefficient 0.12 - 0.18 / Zinc alcalin 8µm mini incolore, coefficient de friction 0.12 - 0.18 / Zink alkalisch 8µm min. transparent, Reibungskoeffizient 0.12 - 0.18 / Zinco alcalino 8µm min. incolore, coefficiente d'attrito 0.12 - 0.18 / Zincado y pasivado claro min. 8 µm, coeficiente de fricción 0.12 - 0.18                         | ✓              | 400 h  | 78                 |
| Optional | Zinc-nickel 12 - 15 % 8 µm clear, friction coefficient 0.12 - 0.18 / Zinc-nickel 12 - 15 % 8µm incolore, coefficient de friction 0.12 - 0.18 / Zink-Nickel 12 -15 % 8µm min. transparent, Reibungskoeffizient 0.12 - 0.18 / Zinco Nichel 12 - 15 % 8µm incolore, coefficiente d'attrito 0.12 - 0.18 / Zincado y niquelado claro 12 - 15 % min. 8 µm, coeficiente de fricción 0.12 - 0.18 | ✓              | 720 h  | 07                 |
| Optional | Zinc-nickel 12 - 15 % 8 µm black, friction coefficient 0.12 - 0.18 / Zinc-nickel 12 - 15 % 8µm noir, coefficient de friction 0.12 - 0.18 / Zink-Nickel 12 -15 % 8µm min. schwarz, Reibungskoeffizient 0.12 - 0.18 / Zinco Nichel 12 - 15 % 8µm nero, coefficiente d'attrito 0.12 - 0.18 / Zincado y niquelado negro 12 - 15 % min. 8 µm, coeficiente de fricción 0.12 - 0.18             | ✓              | 720 h  | 04                 |
| Optional | Dacromet <sup>®</sup> 500 A, friction coefficient 0.12 - 0.18 / Dacromet <sup>®</sup> 500 A, coefficient de friction 0.12 - 0.18 / Dacromet <sup>®</sup> 500 A, Reibungskoeffizient 0.12 - 0.18 / Dacromet <sup>®</sup> 500 A, coefficiente d'attrito 0.12 - 0.18 / Dacromet <sup>®</sup> 500 A, coeficiente de fricción 0.12 - 0.18   | -              | 600 h  | 37                 |

1) to red rust / à la rouille rouge / bis Rotrost / alla ruggine rossa / al óxido rojo

2) add code to the part number / ajoutez le code à la référence / fügen Sie den Code zur Artikel-Nummer hinzu / aggiungere il codice al numero di codice / añadir numeración a la referencia