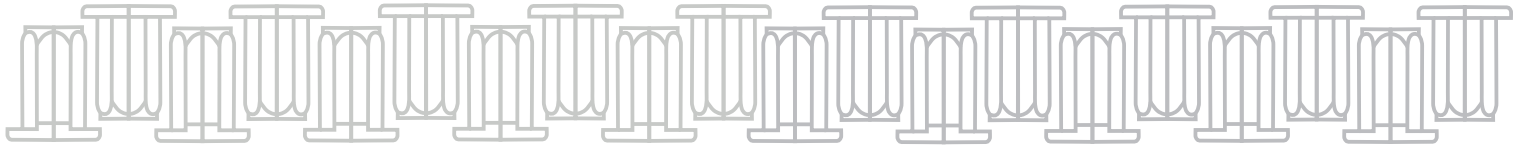


 **RIVETING CZ**

KATALOG NÝTOVACÍCH MATIC



Company

Riveting CZ s.r.o. is a rapidly evolve company with extensive experience in riveting and fastening. We are a member of the international trading and manufacturing group with Pop&Avdel representation for a Czech Republic. We provide warranty and post-warranty repairs of riveting tools, consultancy in the area of riveting and the training.

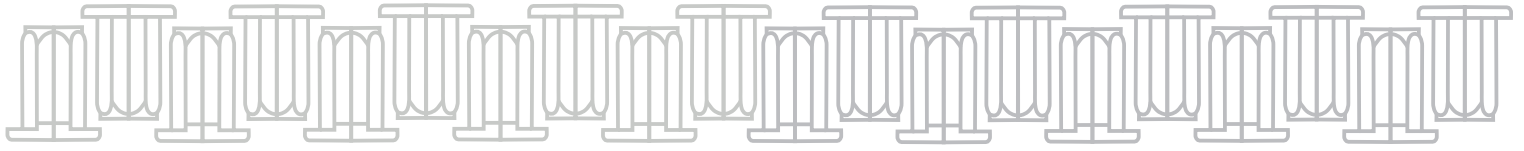
We offer professional riveting tools and service brands:

- Pop&Avdel
- Huck
- Honsel
- Gesipa
- DSU
- Rivet Factory and more.

We supply a wide assortment of fasteners:

- Special and standard blind rivets
- Blind nut and stud rivets
- Weld and clinching fasteners
- Retaining rings
- Other standard of fasteners

Our business activities are focused on customers in Czech Republic, EU and eastern areas.



Blind rivet nuts

The Mastergrip blind rivet nuts and Masterbolt range is a highly specialized range of blind rivet nuts and bolts.

We offer in our standard stock program a wide variety of

Sizes : M3 up to M12

Alloys : aluminium, steel, stainless steel A2 and A4, EPDM

Head types : cylindrical, countersunk, reduced countersunk

Body types : round, Hex-T, open and closed end.

The Mastergrip Blind rivet nuts are equipped with knurled bodies, thus providing better grip and higher resistance to torque after setting in soft material.

The diameters of the Mastergrip Blind rivet nuts are adapted to the use of standard drill diameters.

The Masterbolt is a blind riveting bolt providing an external thread-connection and is available in 4 different thread sizes of each 4 different lengths. All Masterbolts serve an 8.8 strength class.

Advantages

Can be easily set in thin material

The time consuming tapping of a thread or welding of a blind rivet nut will now no longer be required

Blind rivet nuts have the same properties as a tapped thread in full material, because of the strong “flush flange” after deformation of the rivet nuts

Can be set from one side, where the rear of the material and the inside of the object are inaccessible

The material will not be damaged

Will not deform or cause discolouration of the material

Applications

Automotive industry

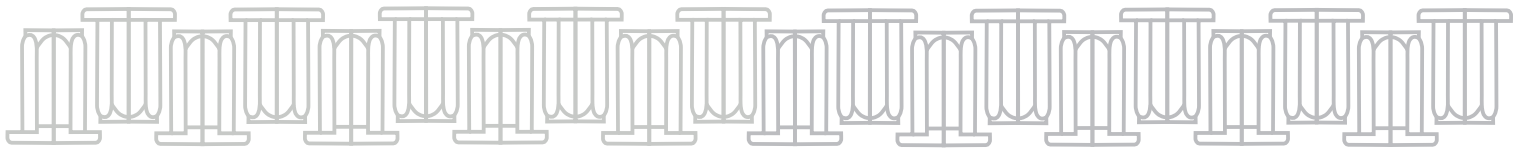
Hinges

HVAC applications

Furniture

Shipbuilding industry

Window frames



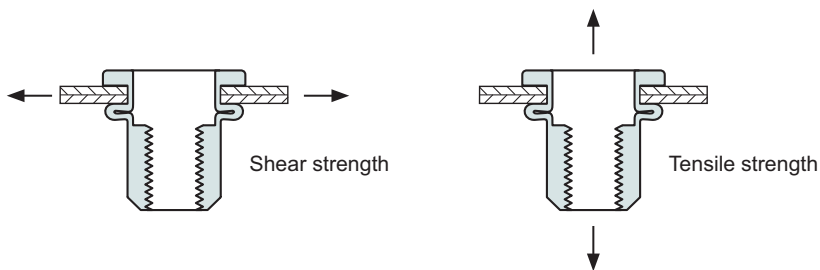
Technical details

Tensile and shear strength

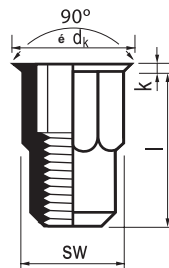
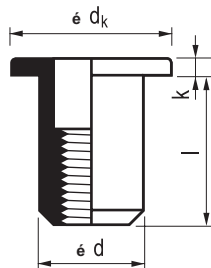
The tensile strength is the maximum force the rivet nut or rivet bolt can bear lengthways (see arrows) before it gives out. The tensile strength is obtained through tests and is always the smallest average value.

The shear strength is the maximum force the rivet nut or rivet bolt can bear vertical to its length (see arrows) before it gives out. The shear strength is obtained through tests and is always the smallest average value.

Both tensile and shear strength are expressed in Newton (1 kg = 10 N).



Dimensioning rivet nuts



Standard rivet nut (all sizes in mm)

$\acute{e} d!!$ = Rivet nut body diameter

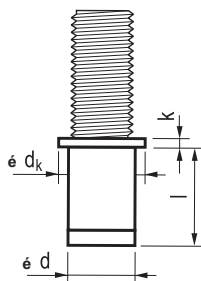
$\acute{e} d_k$ = Head diameter

$k!!$ = Head height

$!!!$ = Rivet nut body length

$sw!!$ = Key size

Dimensioning rivet bolts



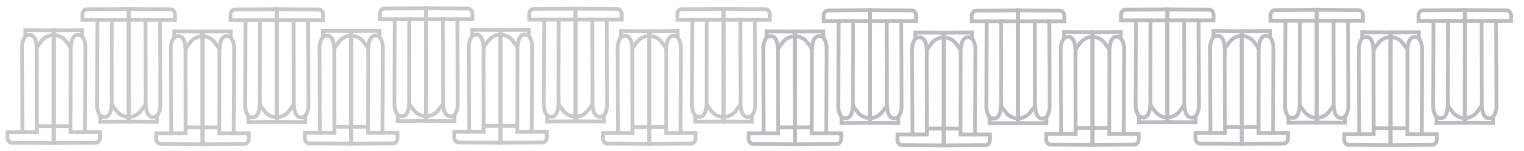
Standard rivet bolt (all sizes in mm)

$\acute{e} d!!$ = Rivet nut body diameter

$\acute{e} d_k$ = Head diameter

$k!!$ = Head height

$!!!$ = Rivet nut body length



Material features

Aluminium alloys AlMg

Solid and strong - easy to polish

If the degree of Mg increases, the strength of the rivet increases and the deformability decreases

Steel

Suitable for heavy constructions

Easy to deform

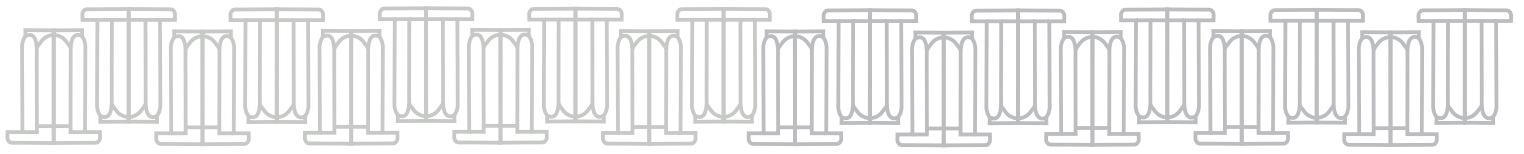
Easy to coat (e.g. with anti-corrosion coating)

Stainless steel

Highly resistant to corrosion

Suitable for heavy constructions

A4 has a higher resistance to acids than A2



Material features

Contact corrosion

When different metals come in contact with each other, contact corrosion will arise. The table below shows how the different materials combine.

| Material rivet nut body | Material to be connected | | | |
|----------------------------|--------------------------|--------|-------|--------------|
| | Aluminium | Copper | Steel | Stainl.steel |
| Aluminium | ++ | -- | - | - |
| Steel | + | -- | ++ | -- |
| Stainl. steel | ++ | ++ | ++ | ++ |

++ very good | + good | - bad | -- avoid

Coatings

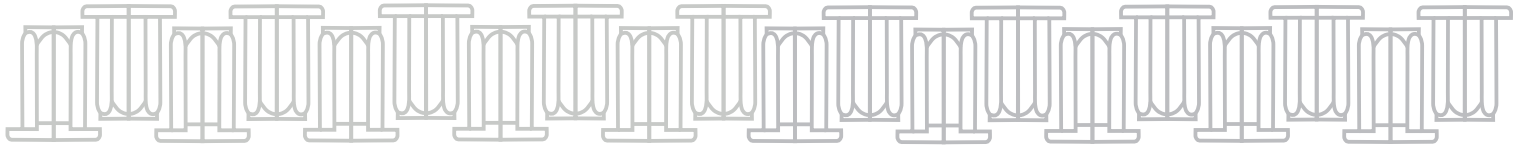
Corrosion can never be reduced to 0%. However, coatings can help to reduce the chance of corrosion or delay corrosion:

Painting

2-Components painting is possible in many colors. All RAL-colours can be delivered on request.

Zinc plating

This is a coating obtained through electrolysis and consists of a Zinc-iron alloy. This coating is characterized by a high resistance to wear and tear.



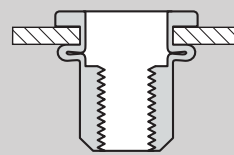
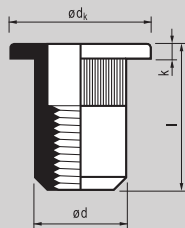
Contents

| Blind rivet nuts | | | | | |
|-----------------------|-------------|------------------|----------------|------------|----|
| Steel | MFX 23-CO | Open end | CH | Steel | 9 |
| | MFX 23-CG | Closed end | CH | Steel | 10 |
| | MFX 23-VO | Open end | CSH | Steel | 11 |
| | MFX 23-VG | Closed end | CSH | Steel | 12 |
| | MFX 23-KVO | Open end | RCSH | Steel | 13 |
| | MFX 26-KVO | Open end | RCSH | Steel | 14 |
| | MFX 23-HCO | Hexatop open end | CH | Steel | 15 |
| | MFX 23-HKVO | Hexatop open end | RCSH | Steel | 16 |
| Stainless steel A2 | MFX 24-CO | Open end | CH | Stainl. A2 | 17 |
| | MFX 24-VO | Open end | CSH | Stainl. A2 | 18 |
| | MFX 24-KVO | Open end | RCSH | Stainl. A2 | 19 |
| | MFX 24-HCO | Hexatop open end | CH | Stainl. A2 | 20 |
| | MFX 24-HKVO | Hexatop open end | RCSH | Stainl. A2 | 21 |
| Stainless steel A4 | MFX 28-CO | Open end | CH | Stainl. A4 | 22 |
| | MFX 28-VO | Open end | CSH | Stainl. A4 | 23 |
| Aluminium | MFX 20-CO | Open end | CH | Aluminium | 24 |
| | MFX 20-CG | Closed end | CH | Aluminium | 25 |
| | MFX 20-VO | Open end | CSH | Aluminium | 26 |
| | MFX 20-KVO | Open end | RCSH | Aluminium | 27 |
| MFX 29 | MASTERBOLT | CH | Steel | 28 | |
| MFX 25-CO | RUBNUT | CH | E.P.D.M./Brass | 30 | |

- CH cylindrical head
 CSH countersunk head
 RCSH reduced countersunk head

MFX 23-CO

Steel
Zinc plated



MASTERGRIP | open end | cylindrical head

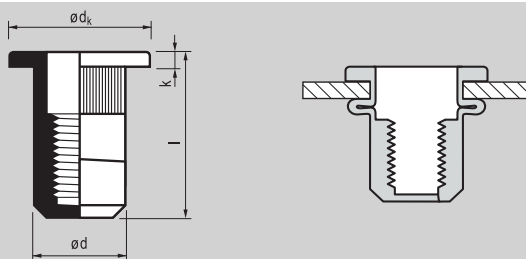
| Ø d | | l [+0,5/-0] | | Item nr. | Ø dk [+0/-0,5] | k ≤ | Ø d [+0/-0,2] | | | |
|------------|---|----------------|----------|-----------|-------------------|--------|------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | ! | 10,5 | 0,5-2,5 | 23M03CO1 | 7,0 | 0,9 | 4,9 | 3,0 | 4.900 | 990 |
| | * | 11,5 | 2,5-4,0 | CO2 | | | | | | |
| Ø 5,0 | | | | | | | | | | |
| M4 | = | 11,0 | 0,5-3,0 | 23M04CO1* | 9,0 | 1,1 | 5,9 | 4,5 | 7.840 | 1.660 |
| | ! | 14,0 | 3,0-5,5 | CO2 | | | | | | |
| Ø 6,0 | | | | | | | | | | |
| M5 | = | 13,0 | 0,5-3,0 | 23M05CO1* | 10,0 | 1,1 | 6,9 | 7,8 | 11.070 | 2.760 |
| | ! | 16,0 | 3,0-5,5 | CO2 | | | | | | |
| Ø 7,0 | * | 19,0 | 5,5-8,0 | CO3 | | | | | | |
| M6 | = | 16,0 | 0,5-3,0 | 23M06CO1* | 12,0 | 1,6 | 8,9 | 20,0 | 17.640 | 3.430 |
| | ! | 18,5 | 3,0-5,5 | CO2 | | | | | | |
| Ø 9,0 | * | 21,0 | 5,5-8,0 | CO3 | | | | | | |
| M8 | = | 17,5 | 0,5-3,0 | 23M08CO1* | 15,0 | 1,6 | 10,9 | 29,0 | 27.440 | 4.410 |
| | = | 20,0 | 3,0-5,5 | CO2 | | | | | | |
| Ø 11,0 | * | 22,5 | 5,5-8,0 | CO3 | | | | | | |
| | * | 25,0 | 8,0-10,5 | CO4 | | | | | | |
| M10 | = | 19,0 | 0,5-3,0 | 23M10CO1* | 16,0 | 2,1 | 11,9 | 32,0 | 29.400 | 4.900 |
| | = | 24,0 | 3,0-6,0 | CO2 | | | | | | |
| Ø 12,0 | * | 27,0 | 6,0-9,0 | CO3 | | | | | | |
| | * | 30,0 | 9,0-12,0 | CO4 | | | | | | |
| M12 | = | 25,0 | 1,0-4,0 | 23M12CO1 | 22,0 | 2,1 | 15,9 | 43,7 | 48.020 | 6.860 |
| | * | 28,0 | 4,0-7,0 | CO2 | | | | | | |
| Ø 16,0 | * | 31,0 | 7,0-10,0 | CO3 | | | | | | |

* these rivets of range 23-CO are also available in blister pack.

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 23-CG

Steel
Zinc plated



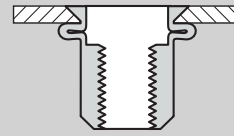
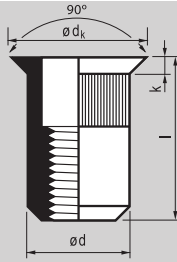
MASTERGRIP | closed end | cylindrical head

| $\varnothing d$ | | l [+0,5/-0] | | Item nr. | $\varnothing d_k$ [+0/-0,5] | k \leq | $\varnothing d$ [+0/-0,2] | | | |
|--------------------|---|------------------|----------|----------|--------------------------------|---------------|------------------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 15,0 | 0,5-2,5 | 23M03CG1 | 7,0 | 0,9 | 4,9 | 3,0 | 4.900 | 900 |
| | * | 16,0 | 2,5-4,0 | CG2 | | | | | | |
| $\varnothing 5,0$ | | | | | | | | | | |
| M4 | = | 16,0 | 0,5-3,0 | 23M04CG1 | 9,0 | 1,1 | 5,9 | 4,5 | 7.840 | 1.660 |
| | * | 19,0 | 3,0-5,5 | CG2 | | | | | | |
| $\varnothing 6,0$ | | | | | | | | | | |
| M5 | = | 18,5 | 0,5-3,0 | 23M05CG1 | 10,0 | 1,1 | 6,9 | 7,8 | 11.070 | 2.760 |
| | * | 21,5 | 3,0-5,5 | CG2 | | | | | | |
| $\varnothing 7,0$ | * | 24,5 | 5,5-8,0 | CG3 | | | | | | |
| M6 | = | 21,5 | 0,5-3,0 | 23M06CG1 | 12,0 | 1,6 | 8,9 | 20,0 | 17.640 | 3.430 |
| | * | 24,0 | 3,0-5,5 | CG2 | | | | | | |
| $\varnothing 9,0$ | * | 26,5 | 5,5-8,0 | CG3 | | | | | | |
| M8 | = | 26,0 | 0,5-3,0 | 23M08CG1 | 15,0 | 1,6 | 10,9 | 29,0 | 27.440 | 4.410 |
| | * | 28,5 | 3,0-5,5 | CG2 | | | | | | |
| $\varnothing 11,0$ | * | 31,0 | 5,5-8,0 | CG3 | | | | | | |
| | * | 33,5 | 8,0-10,5 | CG4 | | | | | | |
| M10 | * | 28,0 | 0,5-3,0 | 23M10CG1 | 16,0 | 2,1 | 11,9 | 32,0 | 29.400 | 4.900 |
| | * | 33,0 | 3,0-6,0 | CG2 | | | | | | |
| $\varnothing 12,0$ | * | 36,0 | 6,0-9,0 | CG3 | | | | | | |
| | * | 39,0 | 9,0-12,0 | CG4 | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 23-VO

Steel
Zinc plated



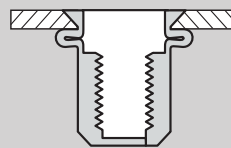
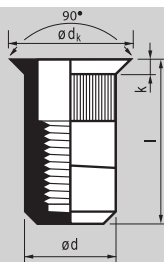
MASTERGRIP | open end | countersunk head

| Ø d | | l [+0,5/-0] | | Item nr. | Ø dk [+0,2/-0,5] | k ≤ | Ø d [+0/-0,2] | | | |
|------------|---|----------------|----------|----------|---------------------|--------|------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 11,5 | 1,5-3,5 | 23M03VO1 | 7,5 | 1,5 | 4,9 | 3,0 | 4.900 | 900 |
| | * | 12,5 | 3,5-5,0 | VO2 | | | | | | |
| Ø 5,0 | | | | | | | | | | |
| M4 | ! | 12,5 | 1,5-4,0 | 23M04VO1 | 8,5 | 1,5 | 5,9 | 4,0 | 7.860 | 2.210 |
| | * | 15,0 | 4,0-6,5 | VO2 | | | | | | |
| Ø 6,0 | | | | | | | | | | |
| M5 | ! | 13,5 | 1,5-4,0 | 23M05VO1 | 9,5 | 1,5 | 6,9 | 5,0 | 10.780 | 2.320 |
| | * | 16,0 | 4,0-6,5 | VO2 | | | | | | |
| Ø 7,0 | * | 18,5 | 6,5-9,0 | VO3 | | | | | | |
| M6 | ! | 15,5 | 1,5-4,0 | 23M06VO1 | 11,5 | 1,5 | 8,9 | 16,0 | 16.660 | 3.660 |
| | * | 18,0 | 4,0-6,5 | VO2 | | | | | | |
| Ø 9,0 | * | 20,5 | 6,5-9,0 | VO3 | | | | | | |
| M8 | ! | 18,5 | 1,5-4,0 | 23M08VO1 | 13,5 | 1,5 | 10,9 | 20,0 | 30.840 | 4.720 |
| | * | 21,0 | 4,0-6,5 | VO2 | | | | | | |
| Ø 11,0 | * | 23,5 | 6,5-9,0 | VO3 | | | | | | |
| M10 | = | 21,0 | 2,0-4,5 | 23M10VO1 | 14,5 | 1,7 | 11,9 | 28,0 | 34.300 | 5.050 |
| | * | 24,0 | 4,5-7,5 | VO2 | | | | | | |
| Ø 12,0 | * | 27,0 | 7,5-10,5 | VO3 | | | | | | |
| M12 | * | 24,5 | 2,0-4,5 | 23M12VO1 | 19,0 | 1,9 | 15,9 | 43,7 | 48.000 | 6.800 |
| | * | 27,5 | 4,5-7,5 | VO2 | | | | | | |
| Ø 16,0 | * | 31,0 | 7,5-10,5 | VO3 | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 23-VG

Steel
Zinc plated



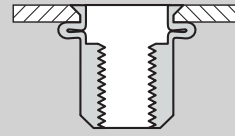
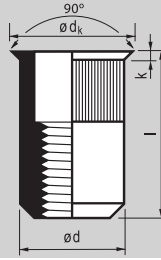
MASTERGRIP | closed end | countersunk head

| Ø d | | l [+0,5/-0] | | Item nr. | Ø dk [+0,2/-0,5] | k [mm] | Ø d [+0/-0,2] | | | |
|------------|---|----------------|----------|----------|---------------------|-----------|------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 16,0 | 1,5-3,5 | 23M03VG1 | 7,5 | 1,5 | 4,9 | 3,0 | 4.900 | 900 |
| | * | 17,0 | 3,5-5,0 | VG2 | | | | | | |
| Ø 5,0 | | | | | | | | | | |
| M4 | ! | 17,5 | 1,5-4,0 | 23M04VG1 | 8,5 | 1,5 | 5,9 | 4,0 | 7.860 | 2.210 |
| | * | 20,0 | 4,0-6,5 | VG2 | | | | | | |
| Ø 6,0 | | | | | | | | | | |
| M5 | ! | 20,0 | 1,5-4,0 | 23M05VG1 | 9,5 | 1,5 | 6,9 | 5,0 | 10.780 | 2.320 |
| | * | 22,5 | 4,0-6,5 | VG2 | | | | | | |
| Ø 7,0 | * | 25,0 | 6,5-9,0 | VG3 | | | | | | |
| M6 | ! | 23,0 | 1,5-4,0 | 23M06VG1 | 11,5 | 1,5 | 8,9 | 16,0 | 16.660 | 3.660 |
| | * | 25,5 | 4,0-6,5 | VG2 | | | | | | |
| Ø 9,0 | * | 28,0 | 6,5-9,0 | VG3 | | | | | | |
| M8 | ! | 27,0 | 1,5-4,0 | 23M08VG1 | 13,5 | 1,5 | 10,9 | 20,0 | 30.840 | 4.720 |
| | * | 29,5 | 4,0-6,5 | VG2 | | | | | | |
| Ø 11,0 | * | 32,0 | 6,5-9,0 | VG3 | | | | | | |
| M10 | * | 30,0 | 2,0-4,5 | 23M10VG1 | 14,5 | 1,7 | 11,9 | 28,0 | 30.840 | 4.900 |
| | * | 33,0 | 4,5-7,5 | VG2 | | | | | | |
| Ø 12,0 | * | 36,0 | 7,5-10,5 | VG3 | | | | | | |
| M12 | * | 34,5 | 2,0-4,5 | 23M12VG1 | 19,0 | 1,9 | 15,9 | 43,7 | 48.000 | 6.800 |
| | * | 37,5 | 4,5-7,5 | VG2 | | | | | | |
| Ø 16,0 | * | 40,5 | 7,5-10,5 | VG3 | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 23-KVO

Steel
Zinc plated



MASTERGRIP | open end | reduced countersunk head

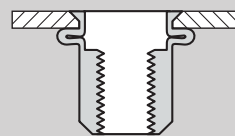
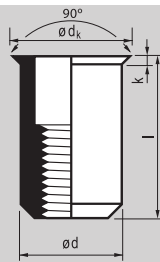
| $\varnothing d$ | | l [+0,5/-0] | | Item nr. | $\varnothing d_k$ [+0/-0,5] | k [mm] | $\varnothing d$ [+0/-0,2] | | | |
|--------------------|---|------------------|---------|-----------|--------------------------------|-------------|------------------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 9,5 | 0,5-2,5 | 23M03KVO1 | 6,0 | 0,7 | 4,9 | 3,0 | 3.900 | 900 |
| | | | | | | | | | | |
| $\varnothing 5,0$ | | | | | | | | | | |
| M4 | * | 10,0 | 0,5-3,0 | 23M04KVO1 | 7,0 | 0,7 | 5,9 | 4,0 | 6.470 | 1.620 |
| | | | | | | | | | | |
| $\varnothing 6,0$ | | | | | | | | | | |
| M5 | * | 11,5 | 0,5-3,0 | 23M05KVO1 | 8,0 | 0,7 | 6,9 | 5,0 | 9.090 | 2.190 |
| | | | | | | | | | | |
| $\varnothing 7,0$ | | | | | | | | | | |
| M6 | * | 14,0 | 0,5-3,0 | 23M06KVO1 | 10,0 | 0,7 | 8,9 | 15,0 | 16.660 | 2.350 |
| | | | | | | | | | | |
| $\varnothing 9,0$ | | | | | | | | | | |
| M8 | * | 15,5 | 0,5-3,0 | 23M08KVO1 | 12,0 | 0,7 | 10,9 | 18,0 | 21.610 | 2.840 |
| | | | | | | | | | | |
| $\varnothing 11,0$ | | | | | | | | | | |
| M10 | * | 19,5 | 0,8-3,5 | 23M10KVO1 | 13,5 | 0,9 | 11,9 | 30,0 | 31.750 | 4.260 |
| | | | | | | | | | | |
| $\varnothing 12,0$ | | | | | | | | | | |

Replacement for previous MFX 27-VO program

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 26-KVO

Steel
Zinc plated

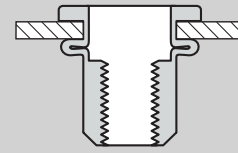
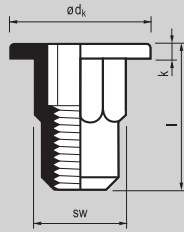


MASTERGRIP | open end | reduced countersunk head

| Ø d | l [+0/-0,5] | | Item nr. | Ø d _k [+0/-0,3] | k [mm] | Ø d [+0,03/-0,10] | | | |
|--------------------------|----------------|---------|------------|-------------------------------|-----------|----------------------|------|--------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 Ø 4,8 | 9,0 | 0,5-1,5 | 26M03KVO15 | 5,4 | 0,6 | 4,7 | 1,5 | 2.690 | 980 |
| M4 Ø 6,4 | 10,4 | 0,5-2,0 | 26M04KVO20 | 6,9 | 0,6 | 6,3 | 5,0 | 6.800 | 1.080 |
| M5 Ø 7,2 | 11,8 | 0,5-3,0 | 26M05KVO30 | 7,7 | 0,6 | 7,1 | 8,0 | 8.000 | 1.470 |
| M6 Ø 9,6 | 14,6 | 0,7-3,3 | 26M06KVO33 | 10,5 | 0,8 | 9,5 | 12,5 | 11.400 | 1.960 |
| M8 Ø 10,6 | 16,0 | 0,9-3,7 | 26M08KVO37 | 11,5 | 0,8 | 10,6 | 16,5 | 15.700 | 2.940 |
| M10 Ø 14,2 | 18,5 | 1,0-3,6 | 26M10KVO36 | 15,3 | 0,8 | 14,2 | 34,0 | 18.700 | 3.920 |

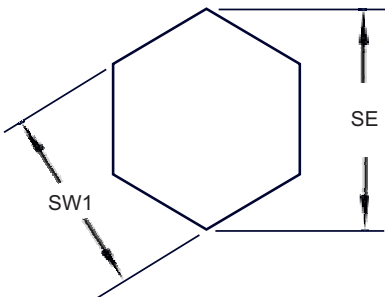
MFX 23-HCO

Steel
Zinc plated



MASTERGRIP | Hex-T open end | cylindrical head

| $\emptyset d$ | | l [+/- 0,2] | | Item nr. | $\emptyset dk$ [+0,3/-0,5] | k \leq | SW [+0/-0,2] | | | |
|---------------|---|------------------|---------|----------|-------------------------------|---------------|-----------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M4 | * | 13,0 | 0,5-3,0 | 23H04CO1 | 9,5 | 1,1 | 6,0 | 5,0 | 4.900 | 1.400 |
| | | | | | | | | | | |
| SW1 6,1 | | | | | | | | | | |
| M5 | * | 14,5 | 0,5-3,0 | 23H05CO1 | 10,5 | 1,1 | 7,0 | 7,0 | 8.800 | 1.900 |
| | | | | | | | | | | |
| SW1 7,1 | | | | | | | | | | |
| M6 | * | 17,0 | 0,5-3,0 | 23H06CO1 | 12,5 | 1,6 | 9,0 | 14,0 | 16.600 | 2.900 |
| | | | | | | | | | | |
| SW1 9,1 | | | | | | | | | | |
| M8 | * | 19,0 | 0,5-3,0 | 23H08CO1 | 14,5 | 1,6 | 11,0 | 22,0 | 21.500 | 3.000 |
| | | | | | | | | | | |
| SW1 11,1 | | | | | | | | | | |
| M10 | * | 24,0 | 0,8-4,0 | 23H10CO1 | 16,5 | 2,1 | 13,0 | 35,0 | 29.400 | 3.400 |
| | | | | | | | | | | |
| SW1 13,1 | | | | | | | | | | |

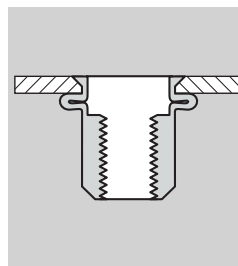
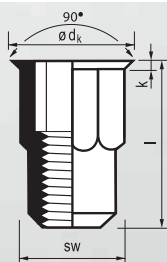


SW: Rivet nut exterior measurement flat side to flat side.
SW1: Hole interior measurement flat side to flat side.
SE: Hole interior measurement corner to corner.(not listed)

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

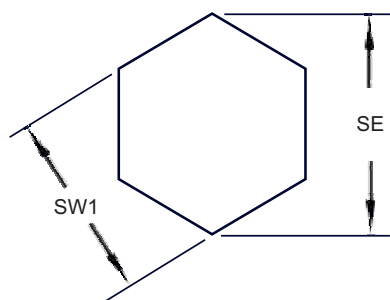
MFX 23-HKVO

Steel
Zinc plated



MASTERGRIP | Hex-T open end | reduced countersunk head

| $\emptyset d$ | | l [+0,5/-0] | | Item nr. | $\emptyset d_k$ [+0/-0,6] | k \leq | SW [+0/-0,2] | | | |
|---------------|---|------------------|---------|-----------|------------------------------|---------------|-----------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 10,5 | 0,5-2,5 | 23H03KVO1 | 6,5 | 0,8 | 5,0 | 3,0 | 2.900 | 900 |
| | | | | | | | | | | |
| SW1 5,1 | | | | | | | | | | |
| M4 | ! | 12,5 | 0,5-3,0 | 23H04KVO1 | 7,0 | 0,8 | 6,0 | 5,0 | 3.530 | 1.470 |
| | | | | | | | | | | |
| SW1 6,1 | | | | | | | | | | |
| M5 | ! | 14,0 | 0,5-3,0 | 23H05KVO1 | 8,0 | 0,8 | 7,0 | 7,0 | 4.900 | 1.760 |
| | | | | | | | | | | |
| SW1 7,1 | | | | | | | | | | |
| M6 | ! | 16,0 | 0,5-3,0 | 23H06KVO1 | 10,0 | 0,8 | 9,0 | 14,0 | 14.700 | 2.940 |
| | | | | | | | | | | |
| SW1 9,1 | | | | | | | | | | |
| M8 | ! | 17,0 | 0,5-3,0 | 23H08KVO1 | 12,0 | 0,8 | 11,0 | 21,0 | 21.560 | 3.020 |
| | | | | | | | | | | |
| SW1 11,1 | | | | | | | | | | |
| M10 | ! | 20,5 | 0,8-4,0 | 23H10KVO1 | 14,5 | 0,8 | 13,0 | 35,0 | 29.400 | 3.430 |
| | | | | | | | | | | |
| SW1 13,1 | | | | | | | | | | |

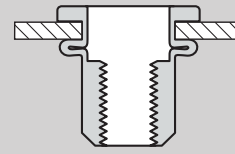
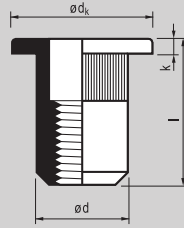


SW: Rivet nut exterior measurement flat side to flat side.
SW1: Hole interior measurement flat side to flat side.
SE: Hole interior measurement corner to corner.(not listed)

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 24-CO

Stainless steel [A2]
Polished



MASTERGRIP | open end | cylindrical head

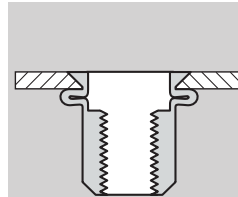
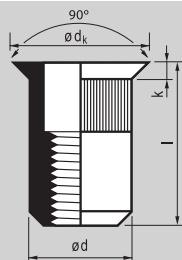
| $\varnothing d$ | | l [+0,5/-0] | | Item nr. | $\varnothing d_k$ [+0/-0,5] | k [mm] | $\varnothing d$ [+0/-0,2] | | | |
|--------------------|---|------------------|---------|-----------|--------------------------------|-------------|------------------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M4 | ! | 11,0 | 0,5-3,0 | 24M04CO1* | 9,0 | 1,1 | 5,9 | 7,0 | 7.800 | 2.600 |
| | ! | 14,0 | 3,0-4,5 | CO2 | | | | | | |
| $\varnothing 6,0$ | | | | | | | | | | |
| M5 | ! | 13,0 | 0,5-3,0 | 24M05CO1* | 10,0 | 1,1 | 6,9 | 12,0 | 11.760 | 3.920 |
| | ! | 16,0 | 3,0-5,5 | CO2 | | | | | | |
| $\varnothing 7,0$ | * | 19,0 | 5,5-8,0 | CO3 | | | | | | |
| M6 | ! | 16,0 | 0,5-3,0 | 24M06CO1* | 12,0 | 1,6 | 8,9 | 22,2 | 20.580 | 5.630 |
| | ! | 18,5 | 3,0-5,5 | CO2 | | | | | | |
| $\varnothing 9,0$ | | | | | | | | | | |
| M8 | ! | 17,5 | 0,5-3,0 | 24M08CO1* | 15,0 | 1,6 | 10,9 | 30,5 | 26.460 | 7.800 |
| | ! | 20,0 | 3,0-5,5 | CO2 | | | | | | |
| $\varnothing 11,0$ | | | | | | | | | | |
| M10 | ! | 19,0 | 0,5-3,0 | 24M10CO1 | 16,0 | 2,1 | 12,9 | 39,0 | 35.280 | 8.800 |
| | ! | 24,0 | 3,0-6,0 | CO2 | | | | | | |
| $\varnothing 13,0$ | | | | | | | | | | |

* these rivets of range 24-CO are also available in blister pack.

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 24-VO

Stainless steel [A2]
Polished



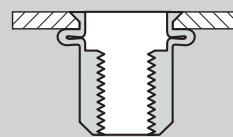
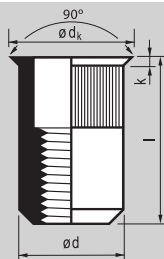
MASTERGRIP | open end | countersunk head

| $\varnothing d$ | | l [+0,5/-0] | | Item nr. | $\varnothing dk$ [+0,2/-0,5] | k \leq | $\varnothing d$ [+0/-0,2] | | | |
|------------------------|---|------------------|---------|----------|---------------------------------|---------------|------------------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 11,5 | 1,5-3,5 | 24M03VO1 | 7,5 | 1,5 | 4,9 | 3,5 | 5.800 | 1.400 |
| $\varnothing 5,0$ | * | 12,5 | 3,5-4,5 | VO2 | | | | | | |
| M4 | ! | 12,5 | 1,5-4,0 | 24M04VO1 | 8,5 | 1,5 | 5,9 | 9,0 | 10.130 | 3.720 |
| $\varnothing 6,0$ | | | | | | | | | | |
| M5 | ! | 13,5 | 1,5-4,0 | 24M05VO1 | 9,5 | 1,5 | 6,9 | 10,5 | 12.250 | 4.020 |
| $\varnothing 7,0$ | * | 16,0 | 4,0-6,5 | VO2 | | | | | | |
| M6 | ! | 15,5 | 1,5-4,0 | 24M06VO1 | 11,5 | 1,5 | 8,9 | 21,0 | 20.580 | 5.560 |
| $\varnothing 9,0$ | * | 18,0 | 4,0-6,5 | VO2 | | | | | | |
| M8 | ! | 18,5 | 1,5-4,0 | 24M08VO1 | 13,5 | 1,5 | 10,9 | 31,0 | 30.840 | 7.640 |
| $\varnothing 11,0$ | * | 21,0 | 4,0-6,5 | VO2 | | | | | | |
| M10 | ! | 21,0 | 2,0-4,5 | 24M10VO1 | 15,5 | 1,8 | 12,9 | 33,0 | 34.300 | 8.110 |
| $\varnothing 13,0$ | * | 24,0 | 4,5-7,5 | VO2 | | | | | | |
| M12 | * | 24,5 | 2,0-4,5 | 24M12VO1 | 19,0 | 2,0 | 15,9 | 50,0 | 53.900 | 9.800 |
| $\varnothing 16,0$ | * | 27,5 | 4,5-7,5 | VO2 | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 24-KVO

Stainless steel [A2]
Polished



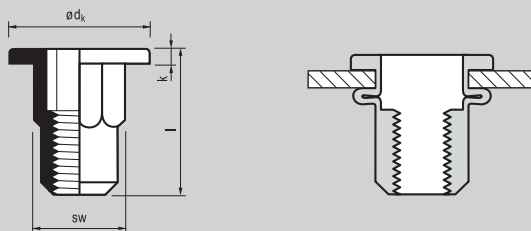
MASTERGRIP | open end | reduced countersunk head

| Ø d | | l [+0,5/-0] | | Item nr. | Ø d _k [+0/-0,5] | k [mm] | Ø d [+0/-0,2] | | | |
|------------|---|----------------|---------|-----------|-------------------------------|-----------|------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M4 | ! | 10,0 | 0,5-3,0 | 24M04KVO1 | 7,0 | 0,9 | 5,9 | 9,0 | 6.860 | 2.940 |
| | | | | | | | | | | |
| Ø 6,0 | | | | | | | | | | |
| M5 | ! | 11,5 | 0,5-3,0 | 24M05KVO1 | 8,0 | 0,9 | 6,9 | 10,5 | 11.760 | 4.030 |
| | | | | | | | | | | |
| Ø 7,0 | | | | | | | | | | |
| M6 | ! | 14,0 | 0,5-3,0 | 24M06KVO1 | 10,0 | 0,9 | 8,9 | 21,0 | 18.620 | 5.230 |
| | | | | | | | | | | |
| Ø 9,0 | | | | | | | | | | |
| M8 | ! | 15,5 | 0,5-3,0 | 24M08KVO1 | 12,0 | 0,9 | 10,9 | 31,0 | 25.480 | 5.400 |
| | | | | | | | | | | |
| Ø 11,0 | | | | | | | | | | |
| M10 | ! | 19,5 | 0,8-3,5 | 24M10KVO1 | 14,5 | 1,1 | 12,9 | 32,0 | 33.320 | 5.880 |
| | | | | | | | | | | |
| Ø 13,0 | | | | | | | | | | |










| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

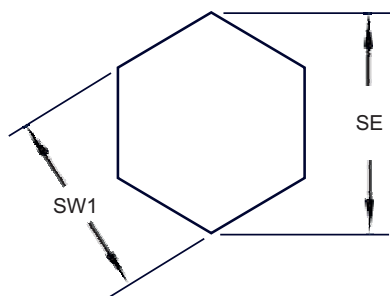
MFX 24-HCO

Stainless steel [A2]
Polished



MASTERGRIP | Hex-T open type | cylindrical head

| $\varnothing d$ | | l [+0/-0,2] |  | Item nr. | $\varnothing dk$ [+0,3/-0,5] | k $\sqrt{6}$ | SW [+0/-0,2] |  |  |  |
|---|---|------------------|---|----------|---------------------------------|-------------------|-----------------|---|---|---|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M4 | ! | 13,0 | 0,5,-3,0 | 24H04CO1 | 9,5 | 1,1 | 6,0 | 12,0 | 10.190 | 2.950 |
|  | | | | | | | | | | |
| SW1 6,1 | | | | | | | | | | |
| M5 | ! | 14,5 | 0,5,-3,0 | 24H05CO1 | 10,5 | 1,1 | 7,0 | 14,0 | 12.740 | 3.430 |
|  | | | | | | | | | | |
| SW1 7,1 | | | | | | | | | | |
| M6 | ! | 17,0 | 0,5,-3,0 | 24H06CO1 | 12,5 | 1,6 | 9,0 | 26,0 | 21.560 | 4.700 |
|  | | | | | | | | | | |
| SW1 9,1 | | | | | | | | | | |
| M8 | ! | 19,0 | 0,5,-3,0 | 24H08CO1 | 14,5 | 1,6 | 11,0 | 39,0 | 37.420 | 6.860 |
|  | | | | | | | | | | |
| SW1 11,1 | | | | | | | | | | |
| M10 | ! | 24,0 | 0,8-4,0 | 24H10CO1 | 16,5 | 2,1 | 13,0 | 45,0 | 63.700 | 7.840 |
|  | | | | | | | | | | |
| SW1 13,1 | | | | | | | | | | |

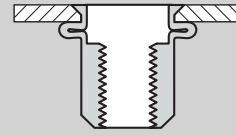
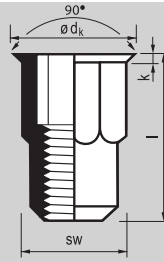


SW: Rivet nut exterior measurement flat side to flat side.
SW1: Hole interior measurement flat side to flat side.
SE: Hole interior measurement corner to corner.(not listed)

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

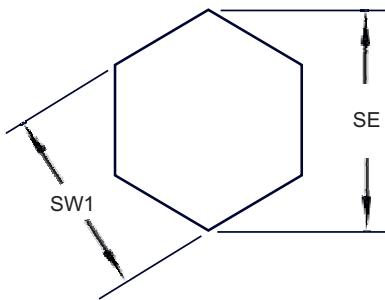
MFX 24-HKVO

Stainless steel [A2]
Polished



MASTERGRIP | Hex-T open end | reduced countersunk head

| $\emptyset d$ | | l [+0,5/-0] | | Item nr. | $\emptyset dk$ [+0/-0,6] | k \leq | SW [+0/-0,2] | | | |
|---------------|---|------------------|---------|-----------|-----------------------------|---------------|-----------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M4 | ! | 12,5 | 0,5-3,0 | 24H04KVO1 | 7,0 | 0,9 | 6,0 | 12,0 | 8.240 | 2.950 |
| | | | | | | | | | | |
| SW1 6,1 | | | | | | | | | | |
| M5 | = | 14,0 | 0,5-3,0 | 24H05KVO1 | 8,0 | 0,9 | 7,0 | 12,0 | 11.760 | 2.950 |
| | | | | | | | | | | |
| SW1 7,1 | | | | | | | | | | |
| M6 | = | 16,0 | 0,5-3,0 | 24H06KVO1 | 10,0 | 0,9 | 9,0 | 21,0 | 21.560 | 3.820 |
| | | | | | | | | | | |
| SW1 9,1 | | | | | | | | | | |
| M8 | = | 17,0 | 0,5-3,0 | 24H08KVO1 | 12,0 | 0,9 | 11,0 | 30,0 | 24.500 | 3.920 |
| | | | | | | | | | | |
| SW1 11,1 | | | | | | | | | | |
| M10 | = | 20,5 | 0,8-4,0 | 24H10KVO1 | 14,5 | 1,1 | 13,0 | 40,0 | 47.040 | 5.010 |
| | | | | | | | | | | |
| SW1 13,1 | | | | | | | | | | |

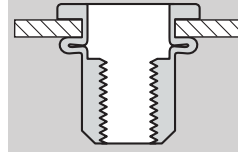
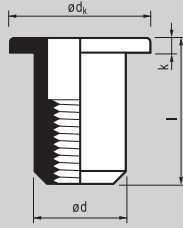


SW: Rivet nut exterior measurement flat side to flat side.
SW1: Hole interior measurement flat side to flat side.
SE: Hole interior measurement corner to corner.(not listed)

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 28-CO

Stainless steel[A4]
AISI 316 Polished



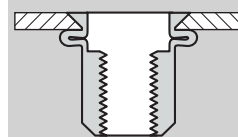
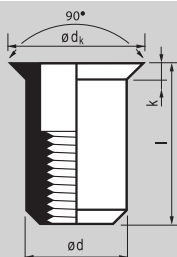
MASTERGRIP | open end | cylindrical head

| $\varnothing d$ | | l [+0,5/-0] | | Item nr. | $\varnothing dk$ [+0/-0,5] | k [mm] | $\varnothing d$ [+0/-0,2] | | | |
|------------------------|---|------------------|---------|----------|-------------------------------|-------------|------------------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M5 | * | 13,0 | 0,5-3,0 | 28M05CO1 | 10,0 | 1,1 | 6,9 | 12,0 | 11.760 | 3.920 |
| $\varnothing 7,0$ | | | | | | | | | | |
| M6 | * | 16,0 | 0,5-3,0 | 28M06CO1 | 12,0 | 1,6 | 8,9 | 22,2 | 20.580 | 5.630 |
| $\varnothing 9,0$ | | | | | | | | | | |
| M8 | * | 17,5 | 0,5-3,0 | 28M08CO1 | 15,0 | 1,6 | 10,9 | 30,5 | 26.460 | 7.800 |
| $\varnothing 11,0$ | | | | | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 28-VO

Stainless steel[A4]
AISI 316 Polished



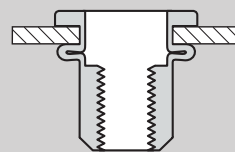
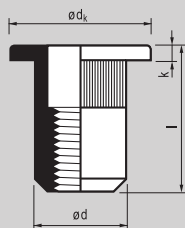
MASTERGRIP | open end | countersunk head

| Ø d | | l [+0,5/-0] | | Item nr. | Ø dk [+0,2/-0,5] | k ≤ | Ø d [+0/-0,12] | | | |
|-----------|---|----------------|---------|----------|---------------------|--------|-------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M5 | * | 13,5 | 1,5-4,0 | 28M05VO1 | 9,5 | 1,5 | 6,9 | 10,5 | 12.250 | 4.020 |
| | | | | | | | | | | |
| Ø 7,0 | | | | | | | | | | |
| M6 | * | 15,5 | 1,5-4,0 | 28M06VO1 | 11,5 | 1,5 | 8,9 | 21,0 | 20.580 | 5.560 |
| | | | | | | | | | | |
| Ø 9,0 | | | | | | | | | | |
| M8 | * | 18,5 | 1,5-4,0 | 28M08VO1 | 13,5 | 1,5 | 10,9 | 31,0 | 30.840 | 7.640 |
| | | | | | | | | | | |
| Ø 11,0 | | | | | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 20-CO

Aluminium [AlMg 5]
Polished



MASTERGRIP | open end | cylindrical head

| $\varnothing d$ | | l [+0,5/-0] | | Item nr. | $\varnothing dk$ [+0/-0,5] | k \leq | $\varnothing d$ [+0/-0,2] | | | |
|--------------------|---|------------------|----------|-----------|-------------------------------|---------------|------------------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 10,5 | 0,5-2,5 | 20M03CO1 | 7,0 | 0,9 | 4,9 | 2,0 | 2.000 | 700 |
| | * | 11,5 | 2,5-3,5 | CO2 | | | | | | |
| $\varnothing 5,0$ | | | | | | | | | | |
| M4 | ! | 11,0 | 0,5-3,0 | 20M04CO1* | 9,0 | 1,1 | 5,9 | 4,0 | 2.840 | 1.070 |
| | ! | 14,0 | 3,0-4,5 | CO2 | | | | | | |
| $\varnothing 6,0$ | | | | | | | | | | |
| M5 | ! | 13,0 | 0,5-3,0 | 20M05CO1* | 10,0 | 1,1 | 6,9 | 5,0 | 4.900 | 1.170 |
| | ! | 16,0 | 3,0-5,5 | CO2 | | | | | | |
| $\varnothing 7,0$ | * | 19,0 | 5,5-8,0 | CO3 | | | | | | |
| M6 | ! | 16,0 | 0,5-3,0 | 20M06CO1* | 12,0 | 1,6 | 8,9 | 11,3 | 9.300 | 2.280 |
| | ! | 18,5 | 3,0-5,5 | CO2 | | | | | | |
| $\varnothing 9,0$ | * | 21,0 | 5,5-8,0 | CO3 | | | | | | |
| M8 | ! | 17,5 | 0,5-3,0 | 20M08CO1* | 15,0 | 1,6 | 10,9 | 14,6 | 14.700 | 2.450 |
| | ! | 20,0 | 3,0-5,5 | CO2 | | | | | | |
| $\varnothing 11,0$ | * | 22,5 | 5,5-8,0 | CO3 | | | | | | |
| | * | 25,0 | 8,0-10,5 | CO4 | | | | | | |
| M10 | ! | 19,0 | 0,5-3,0 | 20M10CO1* | 16,0 | 2,1 | 11,9 | 20,0 | 21.500 | 3.820 |
| | ! | 24,0 | 3,0-6,0 | CO2 | | | | | | |
| $\varnothing 12,0$ | * | 27,0 | 6,0-9,0 | CO3 | | | | | | |
| | * | 30,0 | 9,0-12,0 | CO4 | | | | | | |
| M12 | * | 25,0 | 1,0-4,0 | 20M12CO1 | 22,0 | 2,1 | 15,9 | 23,0 | 27.400 | 4.400 |
| | * | 28,0 | 4,0-7,0 | CO2 | | | | | | |
| $\varnothing 16,0$ | * | 31,0 | 7,0-10,0 | CO3 | | | | | | |

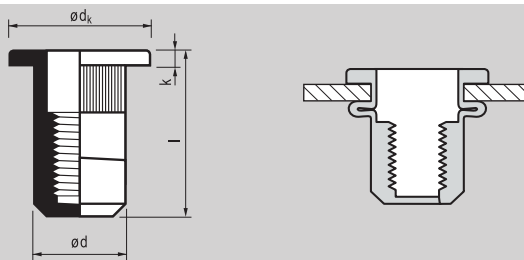
Replacement for previous MFX 22-CO program

* these rivets of range 20-CO are also available in blister pack.

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 20-CG

Aluminium [AlMg 5]
Polished



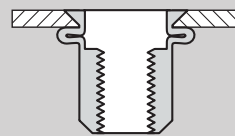
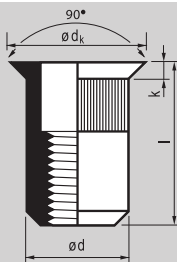
MASTERGRIP | closed end | cylindrical head

| $\varnothing d$ | | l [+0,5/-0] | | Item nr. | $\varnothing dk$ [+0/-0,5] | k \leq | $\varnothing d$ [+0/-0,2] | | | |
|--------------------|---|------------------|----------|----------|-------------------------------|---------------|------------------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 15,0 | 0,5-2,5 | 20M03CG1 | 7,0 | 0,9 | 4,9 | 2,0 | 2.000 | 700 |
| | * | 16,0 | 2,5-3,5 | CG2 | | | | | | |
| $\varnothing 5,0$ | | | | | | | | | | |
| M4 | * | 16,0 | 0,5-3,0 | 20M04CG1 | 9,0 | 1,1 | 5,9 | 4,0 | 2.800 | 1.000 |
| | * | 19,0 | 3,0-4,5 | CG2 | | | | | | |
| $\varnothing 6,0$ | | | | | | | | | | |
| M5 | * | 18,5 | 0,5-3,0 | 20M05CG1 | 10,0 | 1,1 | 6,9 | 5,0 | 4.900 | 1.100 |
| | * | 21,5 | 3,0-5,5 | CG2 | | | | | | |
| $\varnothing 7,0$ | * | 24,5 | 5,5-8,0 | CG3 | | | | | | |
| M6 | * | 21,5 | 0,5-3,0 | 20M06CG1 | 12,0 | 1,6 | 8,9 | 11,0 | 9.300 | 2.200 |
| | * | 24,0 | 3,0-5,5 | CG2 | | | | | | |
| $\varnothing 9,0$ | * | 26,5 | 5,5-8,0 | CG3 | | | | | | |
| M8 | * | 26,0 | 0,5-3,0 | 20M08CG1 | 15,0 | 1,6 | 10,9 | 14,6 | 14.700 | 2.400 |
| | * | 28,5 | 3,0-5,5 | CG2 | | | | | | |
| $\varnothing 11,0$ | * | 31,0 | 5,5-8,0 | CG3 | | | | | | |
| | * | 33,5 | 8,0-10,5 | CG4 | | | | | | |
| M10 | * | 28,0 | 0,5-3,0 | 20M10CG1 | 16,0 | 2,1 | 11,9 | 19,9 | 21.500 | 3.800 |
| | * | 33,0 | 3,0-6,0 | CG2 | | | | | | |
| $\varnothing 12,0$ | * | 36,0 | 6,0-9,0 | CG3 | | | | | | |
| | * | 39,0 | 9,0-12,0 | CG4 | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 20-VO

Aluminium [AlMg 5]
Polished



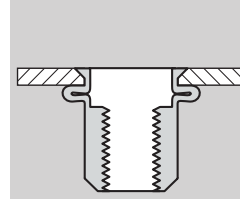
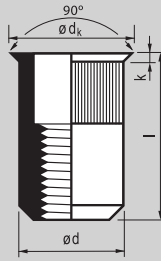
MASTERGRIP | open end | countersunk head

| Ø d | | l [+0,5/-0] | | Item nr. | Ø dk [+0,2/-0,5] | k [mm] | Ø d [+0/-0,2] | | | |
|------------|---|----------------|----------|----------|---------------------|-----------|------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 11,5 | 1,5-3,5 | 20M03VO1 | 7,5 | 1,5 | 4,9 | 2,0 | 2.000 | 700 |
| | * | 12,5 | 3,5-4,5 | VO2 | | | | | | |
| Ø 5,0 | | | | | | | | | | |
| M4 | * | 12,5 | 1,5-4,0 | 20M04VO1 | 8,5 | 1,5 | 5,9 | 4,0 | 2.840 | 1.070 |
| | * | 15,0 | 4,0-5,5 | VO2 | | | | | | |
| Ø 6,0 | | | | | | | | | | |
| M5 | * | 13,5 | 1,5-4,0 | 20M05VO1 | 9,5 | 1,5 | 6,9 | 5,0 | 4.900 | 1.170 |
| | * | 16,0 | 4,0-6,5 | VO2 | | | | | | |
| Ø 7,0 | * | 18,5 | 6,5-9,0 | VO3 | | | | | | |
| M6 | * | 15,5 | 1,5-4,0 | 20M06VO1 | 11,5 | 1,5 | 8,9 | 11,3 | 9.300 | 2.280 |
| | * | 18,0 | 4,0-6,5 | VO2 | | | | | | |
| Ø 9,0 | * | 20,5 | 6,5-9,0 | VO3 | | | | | | |
| M8 | * | 18,5 | 1,5-4,0 | 20M08VO1 | 13,5 | 1,5 | 10,9 | 14,6 | 14.700 | 2.400 |
| | * | 21,0 | 4,0-6,5 | VO2 | | | | | | |
| Ø 11,0 | * | 23,5 | 6,5-9,0 | VO3 | | | | | | |
| M10 | * | 21,0 | 2,0-4,5 | 20M10VO1 | 14,5 | 1,7 | 11,9 | 20,0 | 21.500 | 3.820 |
| | * | 24,0 | 4,5-7,5 | VO2 | | | | | | |
| Ø 12,0 | * | 27,0 | 7,5-10,5 | VO3 | | | | | | |
| M12 | * | 24,5 | 2,0-4,5 | 20M12VO1 | 19,0 | 1,9 | 15,9 | 23,0 | 27.400 | 4.400 |
| | * | 27,5 | 4,5-7,5 | VO2 | | | | | | |
| Ø 16,0 | * | 31,0 | 7,5-10,5 | VO3 | | | | | | |

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 20-KVO

Aluminium [AlMg 5]
Polished



MASTERGRIP | open end | reduced countersunk head

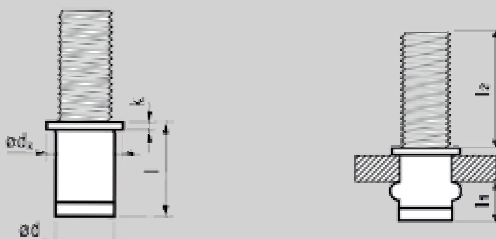
| Ø d | | l [+0,5/-0] | | Item nr. | Ø dk [+0/-0,5] | k | Ø d [+0/-0,2] | | | |
|-----------|---|----------------|---------|-----------|-------------------|------|------------------|------|--------|-------|
| [mm] | | [mm] | [mm] | | [mm] | [mm] | [mm] | [Nm] | [N] | [N] |
| M3 | * | 9,5 | 0,5-2,5 | 20M03KVO1 | 6,0 | 0,7 | 4,9 | 2,0 | 1.700 | 700 |
| | | | | | | | | | | |
| Ø 5,0 | | | | | | | | | | |
| M4 | * | 10,0 | 0,5-3,0 | 20M04KVO1 | 7,0 | 0,7 | 5,9 | 4,0 | 2.840 | 1.080 |
| | | | | | | | | | | |
| Ø 6,0 | | | | | | | | | | |
| M5 | * | 11,5 | 0,5-3,0 | 20M05KVO1 | 8,0 | 0,7 | 6,9 | 4,5 | 5.250 | 1.180 |
| | | | | | | | | | | |
| Ø 7,0 | | | | | | | | | | |
| M6 | * | 14,0 | 0,5-3,0 | 20M06KVO1 | 10,0 | 0,7 | 8,9 | 9,6 | 9.680 | 1.960 |
| | | | | | | | | | | |
| Ø 9,0 | | | | | | | | | | |
| M8 | * | 15,5 | 0,5-3,0 | 20M08KVO1 | 12,0 | 0,7 | 10,9 | 14,0 | 15.680 | 2.060 |
| | | | | | | | | | | |
| Ø 11,0 | | | | | | | | | | |

Replacement for previous MFX 21-VO program

| | |
|---|--------------------------|
| = | identical to old program |
| ! | improved technical data |
| * | addition |

MFX 29

Steel
Zinc plated



MASTERBOLT | cylindrical head

| Ø d | l | | Item nr. | Ø d _k | k | Ø d | l ₁ | l ₂ |
|-----------|---------------------|---------|-----------|------------------|------|------|----------------|----------------|
| [mm] | [+1,0/-0,5] [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [mm] |
| M4 | 8,0 | 0,5-2,0 | 29M042010 | 8,0 | 0,5 | 5,4 | 3,5 | 10 |
| | 8,0 | 0,5-2,0 | 2015 | 8,0 | 0,5 | 5,4 | 3,5 | 15 |
| Ø 5,5 | 8,0 | 2,0-3,0 | 3010 | 8,0 | 0,5 | 5,4 | 4,0 | 10 |
| | 8,0 | 2,0-3,0 | 3015 | 8,0 | 0,5 | 5,4 | 4,0 | 15 |
| M5 | 9,0 | 0,5-2,0 | 29M052010 | 9,0 | 0,8 | 6,5 | 4,5 | 10 |
| | 9,0 | 0,5-2,0 | 2015 | 9,0 | 0,8 | 6,5 | 4,5 | 15 |
| Ø 6,6 | 10,5 | 2,0-3,5 | 3510 | 9,0 | 0,8 | 6,5 | 4,5 | 10 |
| | 10,5 | 2,0-3,5 | 3515 | 9,0 | 0,8 | 6,5 | 4,5 | 15 |
| M6 | 10,0 | 0,5-2,5 | 29M062510 | 10,0 | 1,0 | 7,7 | 5,0 | 10 |
| | 10,0 | 0,5-2,5 | 2515 | 10,0 | 1,0 | 7,7 | 5,0 | 15 |
| Ø 7,8 | 11,5 | 2,5-4,0 | 4010 | 10,0 | 1,0 | 7,7 | 5,0 | 10 |
| | 11,5 | 2,5-4,0 | 4015 | 10,0 | 1,0 | 7,7 | 5,0 | 15 |
| M8 | 12,5 | 1,0-3,0 | 29M083015 | 12,0 | 1,5 | 9,8 | 7,0 | 15 |
| | 12,5 | 1,0-3,0 | 3020 | 12,0 | 1,5 | 9,8 | 7,0 | 20 |
| Ø 9,9 | 15,0 | 3,0-5,0 | 5015 | 12,0 | 1,5 | 9,8 | 7,0 | 15 |
| | 15,0 | 3,0-5,0 | 5020 | 12,0 | 1,5 | 9,8 | 7,0 | 20 |

Rivet bolts are comparable to DIN bolts - Class 8.8

Masterfix RUBNUT

The elastic Masterfix RUBNUT blind rivet nut is available in various lengths and sizes with grip ranges from 0.4 up to 56.0 mm.

Advantages

From one side applicable, using common tools

Absorb vibration due to high elasticity

Suitable for thin, thick and brittle materials

Watertight seal

No electric conduction

Can very easily be dismantled

Applications

Housing of ventilators and fans, dish washers, refrigerators, etc.

Fixing for print covers

Head lights for cars

Sirens and horns

Electronic sensors

Pipes, glass and plywood

Etc.

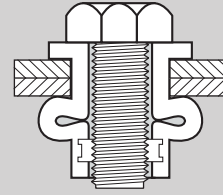
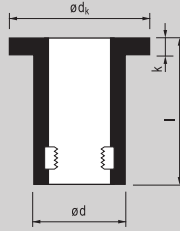
Note:

- Prevent contact with oil and/or solvents

- RUBNUTS should not be used in surroundings with temperatures below -30°C and above +30°C

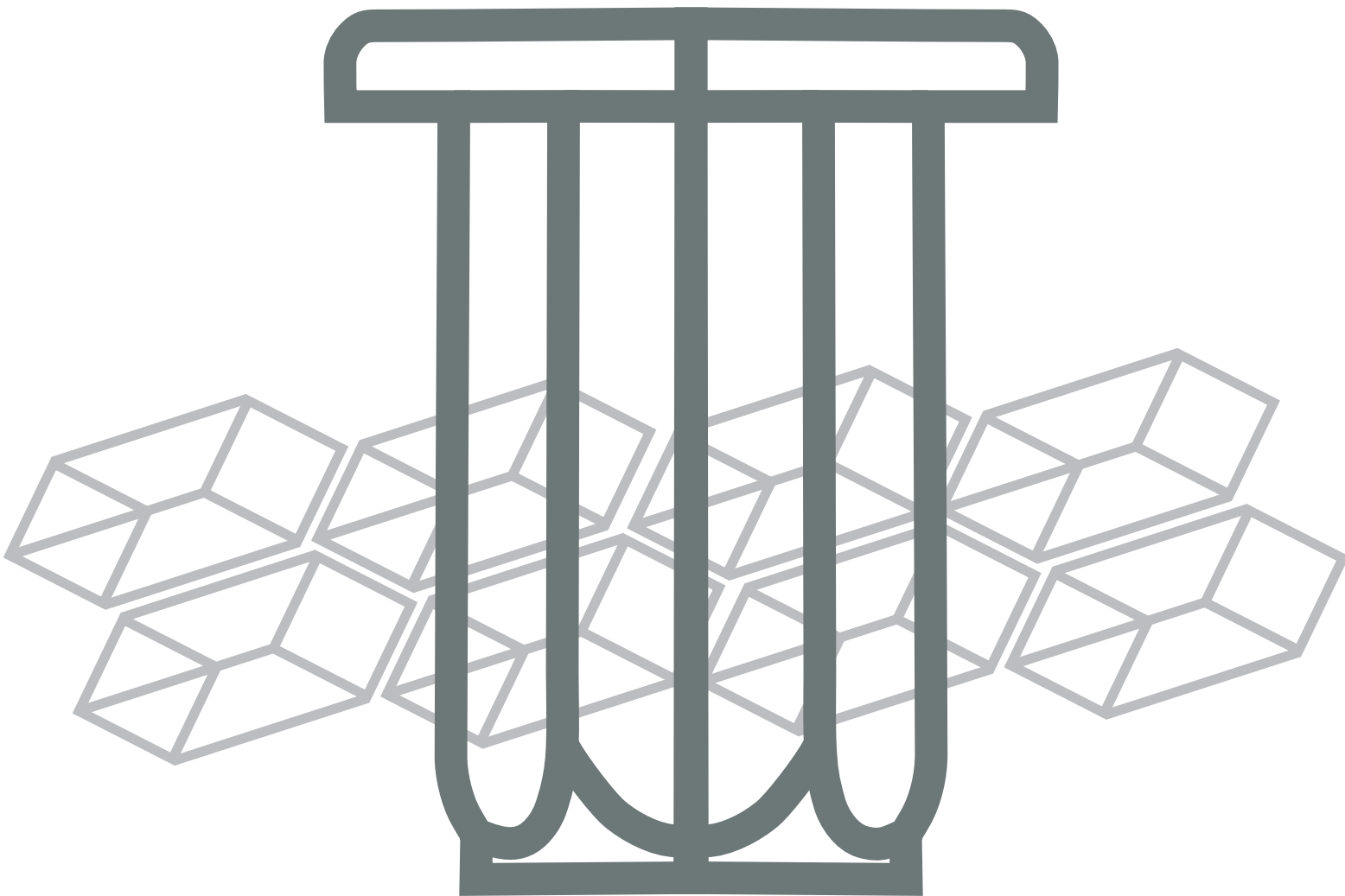
MFX 25-CO

E.P.D.M. body
Brass nut insert



RUBNUT | open end | cylindrical head

| Ø d | l | | Item nr. | Ø d _k [+0,5/-0,8] | k [+/-0,3] | Ø d | tightening torque [Nm] | Hardness |
|--------------|------|-----------|------------|---------------------------------|---------------|------|---------------------------|----------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | | Shore A |
| M3 | 12,6 | 0,4-4,0 | 25M03CO040 | 11,0 | 1,2 | 7,9 | 0,25-0,50 | 60 |
| | | | | | | | | |
| Ø [8,3 max] | | | | | | | | |
| M4 | 12,6 | 0,4-4,0 | 25M04CO040 | 11,0 | 1,2 | 7,9 | 0,25-0,40 | 70 |
| | | | | | | | | |
| Ø [8,3 max] | | | | | | | | |
| M5 | 14,1 | 0,4-4,9 | 25M05CO049 | 12,7 | 0,9 | 9,6 | 0,35-0,50 | 60 |
| | 21,5 | 4,0-10,0 | CO116 | 14,0 | 0,9 | 9,6 | 0,30-0,90 | 60 |
| Ø [9,9 max] | 26,5 | 7,9-15,0 | CO163 | 14,0 | 1,3 | 9,6 | 0,30-0,70 | 60 |
| | 39,0 | 20,5-30,0 | CO300 | 14,0 | 1,3 | 9,6 | 0,60-1,00 | 60 |
| M6 | 16,0 | 0,4-4,0 | 25M06CO028 | 16,0 | 1,3 | 12,7 | 0,60-1,00 | 60 |
| | 21,1 | 0,8-4,7 | CO047 | 19,1 | 4,8 | 12,7 | 0,80-1,00 | 70 |
| Ø [13,0 max] | 26,7 | 6,4-11,5 | CO110 | 16,3 | 2,0 | 12,7 | 0,80-1,00 | 70 |
| M8 | 18,3 | 0,4-4,0 | 25M08CO040 | 21,5 | 3,2 | 15,9 | 1,00-1,50 | 60 |
| | 27,9 | 3,9-9,5 | CO095 | 21,5 | 5,7 | 15,9 | 1,00-1,60 | 60 |
| Ø [16,2 max] | | | | | | | | |
| M8 | 50,0 | 15,0-35,0 | 25M08CO390 | 20,0 | 1,6 | 18,0 | 3,00-4,00 | 60 |
| | | | | | | | | |
| Ø [18,3 max] | | | | | | | | |
| M10 | 55,0 | 19,0-38,0 | 25M10CO400 | 22,5 | 1,3 | 20,0 | 4,50-5,50 | 60 |
| | | | | | | | | |
| Ø [20,3 max] | | | | | | | | |
| M12 | 79,0 | 38,0-56,0 | 25M12CO640 | 27,0 | 1,3 | 24,0 | 6,00-7,00 | 60 |
| | | | | | | | | |
| Ø [24,3 max] | | | | | | | | |



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