

# Rechthoekige en vierkante ponsmatrijzen

geschikt voor meerpolige industriële multi-pins connectoren en icotek kabelinvoersystemen





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Rectangular and square punches and dies make it easy to punch holes into stainless steel (V2A versions), mild steel, aluminium or plastics with a max. sheet thickness of 2 mm. Available for cut-outs sizes of 10-, 16-, and 24- multi-pin heavy industrial connectors and also for numerous special cut-outs. Therefore, the punches are suitable for most icotek cable entry systems. Centre punches are integrated in the die for exact drilling of mounting holes.

The punches are for hydraulic operation only.

**Scope of delivery:**

- Punch, die and draw stud
- robust plastic storage case

**Note:** Punch 125 x 125 mm (order no. 80063) is only to be used with hydraulic foot pump (order no. 80002).

## Specificaties

|           |                            |
|-----------|----------------------------|
| Materiaal | Staal, gehard en gepolijst |
|-----------|----------------------------|

## Voordelen

- Centerponsen voor exact boren van montagegaten
- Robuuste kunststof opbergkoffer
- Geschikt voor handhydraulische ponsaandrijver van icotek en andere fabrikanten

## Producttypes en maten



|                |                                                                                                                                                                                                                            |                |                   |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|
| Art.nr.        | <b>80053</b>                                                                                                                                                                                                               | Ponsbaar       | <b>Kunststof,</b> |
| EAN            | <b>4251269316</b>                                                                                                                                                                                                          | materiaal      | <b>Mild steel</b> |
|                | <b>289</b>                                                                                                                                                                                                                 |                | <b>(St)</b>       |
| Aantal         | <b>1</b>                                                                                                                                                                                                                   | Max.           | <b>2 mm</b>       |
| Aantal         | <b>4</b>                                                                                                                                                                                                                   | wanddikte      |                   |
| centerponspun  |                                                                                                                                                                                                                            | Hydrauliekschr | <b>80209</b>      |
| ten            |                                                                                                                                                                                                                            | oef            |                   |
| Inbouwmaat     | <b>112 × 36 mm</b>                                                                                                                                                                                                         | Contramoer     | <b>80211</b>      |
| Geschikt voor: | <b>KEL-ER 24, KEL-<br/>U 24, KEL-FA<br/>24, KEL-FG<br/>A, KEL-FG-ER<br/>A, KEL-<br/>QUICK 24,<br/>KEL-QTA 24,<br/>KEL-BES 24,<br/>KEL-BES-S<br/>24, KEL-DPZ<br/>24, KEL-DPU<br/>24, KEL-DPU-<br/>HD 24, KEL-<br/>DP 24</b> | Centerponsen   | <b>80065</b>      |
| For cut-out of | <b>24-pin</b>                                                                                                                                                                                                              |                |                   |
| connector      |                                                                                                                                                                                                                            |                |                   |



|                          |                                                                                                                                                                            |                |                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|
| Art.nr.                  | <b>80153</b>                                                                                                                                                               | Ponsbaar       | <b>Roestvrij</b> |
| EAN                      | <b>4251269316</b>                                                                                                                                                          | materiaal      | <b>staal V2A</b> |
|                          | <b>456</b>                                                                                                                                                                 | Max.           | <b>2 mm</b>      |
| Aantal                   | <b>1</b>                                                                                                                                                                   | wanddikte      |                  |
| Aantal                   | <b>4</b>                                                                                                                                                                   | Hydrauliekschr | <b>80209</b>     |
| centerponspunten         |                                                                                                                                                                            | oef            |                  |
|                          |                                                                                                                                                                            | Contramoer     | <b>80211</b>     |
| Inbouwmaat               | <b>112 × 36 mm</b>                                                                                                                                                         | Centerponsen   | <b>80065</b>     |
| Geschikt voor:           | <b>KEL-ER 24, KEL 24, KEL-U 24, KEL-FA 24, KEL-FG A, KEL-FG-ER A, KEL-QUICK 24, KEL-QTA 24, KEL-BES 24, KEL-BES-S 24, KEL-DPZ 24, KEL-DPU 24, KEL-DPU-HD 24, KEL-DP 24</b> |                |                  |
| For cut-out of connector | <b>24-pin</b>                                                                                                                                                              |                |                  |



|                    |                                                                                                                                                     |                |              |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80054</b>                                                                                                                                        | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                                                                                                                   | wanddikte      |              |
|                    | <b>296</b>                                                                                                                                          | Hydrauliekschr | <b>80209</b> |
| Aantal             | <b>1</b>                                                                                                                                            | oef            |              |
| Aantal             | <b>4</b>                                                                                                                                            | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                                                                                                     | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>112 × 46 mm</b>                                                                                                                                  |                |              |
| Geschikt voor:     | <b>KEL-ER 24, KEL 24, KEL-U 24, KEL-FA 24, KEL-FG A, KEL-FG-ER A, KEL-QUICK 24, KEL-BES 24, KEL-BES-S 24, KEL-DPZ 24, KEL-DPU 24, KEL-DPU-HD 24</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b>                                                                                                                   |                |              |



|                    |                                                                                                                                              |                |              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80154</b>                                                                                                                                 | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                                                                                                            | wanddikte      |              |
|                    | <b>463</b>                                                                                                                                   | Hydrauliekschr | <b>80209</b> |
| Aantal             | <b>1</b>                                                                                                                                     | oef            |              |
| Aantal             | <b>4</b>                                                                                                                                     | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                                                                                              | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>112 × 46 mm</b>                                                                                                                           |                |              |
| Geschikt voor:     | <b>KEL-ER 24, KEL-ER 24, KEL-FA 24, KEL-FG A, KEL-FG-ER A, KEL-QUICK 24, KEL-BES 24, KEL-BES-S 24, KEL-DPZ 24, KEL-DPU 24, KEL-DPU-HD 24</b> |                |              |
| Ponsbaar materiaal | <b>Roestvrij staal V2A</b>                                                                                                                   |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80101</b>                      | Max.           | <b>2 mm</b>  |
| EAN                |                                   | wanddikte      |              |
| Aantal             | <b>1</b>                          | Hydrauliekschr | <b>80209</b> |
| Aantal             | <b>4</b>                          | oef            |              |
| centerponspunten   |                                   | Contramoer     | <b>80211</b> |
|                    |                                   | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>112 × 56 mm</b>                |                |              |
| Geschikt voor:     | <b>KEA 24 W90 S, KEA 24 W90 R</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80225</b>                      | Max.           | <b>2 mm</b>  |
| EAN                |                                   | wanddikte      |              |
| Aantal             | <b>1</b>                          | Hydrauliekschr | <b>80209</b> |
| Aantal             | <b>4</b>                          | oef            |              |
| centerponspunten   |                                   | Contramoer     | <b>80211</b> |
|                    |                                   | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>112 x 56 mm</b>                |                |              |
| Geschikt voor:     | <b>KEA 24 W90 S, KEA 24 W90 R</b> |                |              |
| Ponsbaar materiaal | <b>Roestvrij staal V2A</b>        |                |              |



|                          |                       |                |                        |
|--------------------------|-----------------------|----------------|------------------------|
| Art.nr.                  | <b>80061</b>          | Ponsbaar       | <b>Kunststof,</b>      |
| EAN                      | <b>4251269318 757</b> | materiaal      | <b>Mild steel (St)</b> |
| Aantal                   | <b>1</b>              | Max.           | <b>2 mm</b>            |
| Aantal                   | <b>-</b>              | wanddikte      |                        |
| centerponspunten         |                       | Hydrauliekschr | <b>80209</b>           |
|                          |                       | oef            |                        |
| Inbouwmaat               | <b>112 x 66 mm</b>    | Contramoer     | <b>80211</b>           |
| Geschikt voor:           | <b>KEL 24-E</b>       |                |                        |
| For cut-out of connector | <b>32-pin</b>         |                |                        |



|                          |                                                                                                              |                |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------|----------------|-------------------|
| Art.nr.                  | <b>80052</b>                                                                                                 | Ponsbaar       | <b>Kunststof,</b> |
| EAN                      | <b>4251269316</b>                                                                                            | materiaal      | <b>Mild steel</b> |
|                          | <b>272</b>                                                                                                   |                | <b>(St)</b>       |
| Aantal                   | <b>1</b>                                                                                                     | Max.           | <b>2 mm</b>       |
| Aantal                   | <b>4</b>                                                                                                     | wanddikte      |                   |
| centerponspunten         |                                                                                                              | Hydrauliekschr | <b>80209</b>      |
|                          |                                                                                                              | oef            |                   |
| Inbouwmaat               | <b>86 x 36 mm</b>                                                                                            | Contramoor     | <b>80211</b>      |
| Geschikt voor:           | <b>KEL-ER 16, KEL 16, KEL-U 16, KEL-FA 16, KEL-QUICK 16, KEL-BES 16, KEL-BES-S 16, KEL-DPZ 16, KEL-DP 16</b> | Centerponsen   | <b>80065</b>      |
| For cut-out of connector | <b>16-pin</b>                                                                                                |                |                   |



|                          |                                                                                                              |                |                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------|----------------|------------------|
| Art.nr.                  | <b>80152</b>                                                                                                 | Ponsbaar       | <b>Roestvrij</b> |
| EAN                      | <b>4251269316</b>                                                                                            | materiaal      | <b>staal V2A</b> |
|                          | <b>449</b>                                                                                                   | Max.           | <b>2 mm</b>      |
| Aantal                   | <b>1</b>                                                                                                     | wanddikte      |                  |
| Aantal                   | <b>4</b>                                                                                                     | Hydrauliekschr | <b>80209</b>     |
| centerponspunten         |                                                                                                              | oef            |                  |
| Inbouwmaat               | <b>86 x 36 mm</b>                                                                                            | Contramoor     | <b>80211</b>     |
| Geschikt voor:           | <b>KEL-ER 16, KEL 16, KEL-U 16, KEL-FA 16, KEL-QUICK 16, KEL-BES 16, KEL-BES-S 16, KEL-DPZ 16, KEL-DP 16</b> | Centerponsen   | <b>80065</b>     |
| For cut-out of connector | <b>16-pin</b>                                                                                                |                |                  |



|                          |                                                                                                                          |                |                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|------------------------|
| Art.nr.                  | <b>80051</b>                                                                                                             | Ponsbaar       | <b>Mild steel</b>      |
| EAN                      | <b>4251269316265</b>                                                                                                     | materiaal      | <b>(St), Kunststof</b> |
| Aantal                   | <b>1</b>                                                                                                                 | Max.           | <b>2 mm</b>            |
| Aantal                   | <b>4</b>                                                                                                                 | wanddikte      |                        |
| centerponspunten         |                                                                                                                          | Hydrauliekschr | <b>80209</b>           |
| Inbouwmaat               | <b>65 × 36 mm</b>                                                                                                        | oef            |                        |
| Geschikt voor:           | <b>KEL-ER 10, KEL 10, KEL-U 10, KEL-FA 10, KEL-QUICK 10, KEL-QTA 10, KEL-BES 10, KEL-BES-S 10, KEL-DPZ 10, KEL-DP 10</b> | Contramoer     | <b>80211</b>           |
| For cut-out of connector | <b>10-pin</b>                                                                                                            | Centerponsen   | <b>80065</b>           |



|                          |                                                                                                                          |                |                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|------------------|
| Art.nr.                  | <b>80151</b>                                                                                                             | Ponsbaar       | <b>Roestvrij</b> |
| EAN                      | <b>4251269316432</b>                                                                                                     | materiaal      | <b>staal V2A</b> |
| Aantal                   | <b>1</b>                                                                                                                 | Max.           | <b>2 mm</b>      |
| Aantal                   | <b>4</b>                                                                                                                 | wanddikte      |                  |
| centerponspunten         |                                                                                                                          | Hydrauliekschr | <b>80209</b>     |
| Inbouwmaat               | <b>65 × 36 mm</b>                                                                                                        | oef            |                  |
| Geschikt voor:           | <b>KEL-ER 10, KEL 10, KEL-U 10, KEL-FA 10, KEL-QUICK 10, KEL-QTA 10, KEL-BES 10, KEL-BES-S 10, KEL-DPZ 10, KEL-DP 10</b> | Contramoer     | <b>80211</b>     |
| For cut-out of connector | <b>10-pin</b>                                                                                                            | Centerponsen   | <b>80065</b>     |



|                          |                      |                |                   |
|--------------------------|----------------------|----------------|-------------------|
| Art.nr.                  | <b>80062</b>         | Ponsbaar       | <b>Kunststof,</b> |
| EAN                      | <b>4251269319013</b> | materiaal      | <b>Mild steel</b> |
|                          |                      |                | <b>(St)</b>       |
| Aantal                   | <b>1</b>             | Max.           | <b>2 mm</b>       |
| Aantal                   | <b>4</b>             | wanddikte      |                   |
| centerponspunten         |                      | Hydrauliekschr | <b>80209</b>      |
|                          |                      | oef            |                   |
| Inbouwmaat               | <b>52 x 36 mm</b>    | Contramoer     | <b>80211</b>      |
| Geschikt voor:           | <b>KEL-DPZ 6,</b>    | Centerponsen   | <b>80065</b>      |
|                          | <b>KEL-DP 6</b>      |                |                   |
| For cut-out of connector | <b>6-pin</b>         |                |                   |



|                          |                      |                |                  |
|--------------------------|----------------------|----------------|------------------|
| Art.nr.                  | <b>80149</b>         | Ponsbaar       | <b>Roestvrij</b> |
| EAN                      | <b>4251269321542</b> | materiaal      | <b>staal V2A</b> |
|                          |                      | Max.           | <b>2 mm</b>      |
| Aantal                   | <b>1</b>             | wanddikte      |                  |
| Aantal                   | <b>-</b>             | Hydrauliekschr | <b>80209</b>     |
| centerponspunten         |                      | oef            |                  |
|                          |                      | Contramoer     | <b>80211</b>     |
| Inbouwmaat               | <b>52 x 36 mm</b>    | Centerponsen   | <b>80065</b>     |
| Geschikt voor:           | <b>KEL-DPZ 6,</b>    |                |                  |
|                          | <b>KEL-DP 6</b>      |                |                  |
| For cut-out of connector | <b>6-pin</b>         |                |                  |



|                    |                                                                                           |                |              |
|--------------------|-------------------------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80049</b>                                                                              | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269331</b>                                                                         | wanddikte      |              |
|                    | <b>831</b>                                                                                | Hydrauliekschr | <b>80209</b> |
| Aantal             | <b>1</b>                                                                                  | oef            |              |
| Aantal             | <b>4</b>                                                                                  | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                                           | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>46 x 46 mm</b>                                                                         |                |              |
| Geschikt voor:     | <b>KEL-ER-B, KEL-B, KEL-U-B, KEL-FG-B, KEL-FG-ER-B, KEL-QUICK-B, KEL-QTA-B, KEL-DPZ-B</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b>                                                         |                |              |



|                    |                                                                                           |                |              |
|--------------------|-------------------------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80050</b>                                                                              | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                                                         | wanddikte      |              |
|                    | <b>258</b>                                                                                | Hydrauliekschr | <b>80209</b> |
| Aantal             | <b>1</b>                                                                                  | oef            |              |
| Aantal             | <b>-</b>                                                                                  | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                                           |                |              |
| Inbouwmaat         | <b>46 x 46 mm</b>                                                                         |                |              |
| Geschikt voor:     | <b>KEL-ER-B, KEL-B, KEL-U-B, KEL-FG-B, KEL-FG-ER-B, KEL-QUICK-B, KEL-QTA-B, KEL-DPZ-B</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b>                                                         |                |              |





|                    |                                                                                           |                |              |
|--------------------|-------------------------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80150</b>                                                                              | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                                                         | wanddikte      |              |
|                    | <b>425</b>                                                                                | Hydrauliekschr | <b>80209</b> |
| Aantal             | <b>1</b>                                                                                  | oef            |              |
| Aantal             | <b>-</b>                                                                                  | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                                           |                |              |
| Inbouwmaat         | <b>46 × 46 mm</b>                                                                         |                |              |
| Geschikt voor:     | <b>KEL-ER-B, KEL-B, KEL-U-B, KEL-FG-B, KEL-FG-ER-B, KEL-QUICK-B, KEL-QTA-B, KEL-DPZ-B</b> |                |              |
| Ponsbaar materiaal | <b>Roestvrij staal V2A</b>                                                                |                |              |



|                    |                                                                           |                |              |
|--------------------|---------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80058</b>                                                              | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                                         | wanddikte      |              |
|                    | <b>333</b>                                                                | Hydrauliekschr | <b>80226</b> |
| Aantal             | <b>1</b>                                                                  | oef            |              |
| Aantal             | <b>2</b>                                                                  | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                           | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>112 × 24 mm</b>                                                        |                |              |
| Geschikt voor:     | <b>KEL-ER-E5, KEL-E5, KEL-FG-E5, KEL-FG-ER-E5, KEL-QUICK-E5, KEL-FL 4</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b>                                         |                |              |



|                    |                                                  |                |              |
|--------------------|--------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80057</b>                                     | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                | wanddikte      |              |
|                    | <b>326</b>                                       | Hydrauliekschr | <b>80226</b> |
| Aantal             | <b>1</b>                                         | oef            |              |
| Aantal             | <b>2</b>                                         | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                  | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>86 x 24 mm</b>                                |                |              |
| Geschikt voor:     | <b>KEL-ER-E4, KEL-E4, KEL-QUICK-E4, KEL-FL 3</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b>                |                |              |



|                    |                                                                           |                |              |
|--------------------|---------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80056</b>                                                              | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                                         | wanddikte      |              |
|                    | <b>319</b>                                                                | Hydrauliekschr | <b>80226</b> |
| Aantal             | <b>1</b>                                                                  | oef            |              |
| Aantal             | <b>2</b>                                                                  | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                           | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>65 x 24 mm</b>                                                         |                |              |
| Geschikt voor:     | <b>KEL-ER-E3, KEL-E3, KEL-FG-E3, KEL-FG-ER-E3, KEL-QUICK-E3, KEL-FL 2</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b>                                         |                |              |

|                    |                                                                           |                |              |
|--------------------|---------------------------------------------------------------------------|----------------|--------------|
| Art.nr.            | <b>80055</b>                                                              | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269316</b>                                                         | wanddikte      |              |
|                    | <b>302</b>                                                                | Hydrauliekschr | <b>80226</b> |
| Aantal             | <b>1</b>                                                                  | oef            |              |
| Aantal             | <b>2</b>                                                                  | Contramoer     | <b>80211</b> |
| centerponspunten   |                                                                           | Centerponsen   | <b>80065</b> |
| Inbouwmaat         | <b>43 × 24 mm</b>                                                         |                |              |
| Geschikt voor:     | <b>KEL-ER-E2, KEL-E2, KEL-FG-E2, KEL-FG-ER-E2, KEL-QUICK-E2, KEL-FL 1</b> |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b>                                         |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80075</b>                      | Max.           | <b>2 mm</b>  |
| EAN                | <b>4251269332</b>                 | wanddikte      |              |
|                    | <b>517</b>                        | Hydrauliekschr | <b>80205</b> |
| Aantal             | <b>1</b>                          | oef            |              |
| Aantal             | <b>2</b>                          | Contramoer     | <b>80227</b> |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>21 × 27 mm</b>                 |                |              |
| Geschikt voor:     | <b>KEL-E1</b>                     |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |





|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80086</b>                      | Hydrauliekschr | <b>80213</b> |
| EAN                | <b>4251269336</b>                 | oef            |              |
|                    | <b>171</b>                        | Contramoer     | <b>80214</b> |
| Aantal             | <b>1</b>                          |                |              |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>138 x 138 mm</b>               |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80094</b>                      | Hydrauliekschr | <b>80213</b> |
| EAN                | <b>4251269336</b>                 | oef            |              |
|                    | <b>256</b>                        | Contramoer     | <b>80214</b> |
| Aantal             | <b>1</b>                          |                |              |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>68 x 138 mm</b>                |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |

|                    |                                   |            |              |
|--------------------|-----------------------------------|------------|--------------|
| Art.nr.            | <b>80063</b>                      | Contramoer | <b>80214</b> |
| EAN                | <b>4251269322</b>                 |            |              |
|                    | <b>709</b>                        |            |              |
| Aantal             | <b>1</b>                          |            |              |
| Aantal             | <b>-</b>                          |            |              |
| centerponspunten   |                                   |            |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |            |              |
| Max. wanddikte     | <b>2 mm</b>                       |            |              |
| Hydrauliekschr oef | <b>80213</b>                      |            |              |



|                    |                                   |                    |              |
|--------------------|-----------------------------------|--------------------|--------------|
| Art.nr.            | <b>80060</b>                      | Hydrauliekschr oef | <b>80209</b> |
| EAN                | <b>4251269318</b>                 |                    |              |
|                    | <b>252</b>                        | Contramoer         | <b>80211</b> |
| Aantal             | <b>1</b>                          |                    |              |
| Aantal             | <b>-</b>                          |                    |              |
| centerponspunten   |                                   |                    |              |
| Inbouwmaat         | <b>92 x 92 mm</b>                 |                    |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                    |              |
| Max. wanddikte     | <b>2 mm</b>                       |                    |              |





|               |                   |                |              |
|---------------|-------------------|----------------|--------------|
| Art.nr.       | <b>80093</b>      | Hydrauliekschr | <b>80209</b> |
| EAN           | <b>4251269336</b> | oef            |              |
|               | <b>249</b>        | Contramoer     | <b>80211</b> |
| Aantal        | <b>1</b>          |                |              |
| Aantal        | <b>-</b>          |                |              |
| centerponspun |                   |                |              |
| ten           |                   |                |              |
| Inbouwmaat    | <b>46 x 92 mm</b> |                |              |
| Ponsbaar      | <b>Kunststof,</b> |                |              |
| materiaal     | <b>Mild steel</b> |                |              |
|               | <b>(St)</b>       |                |              |
| Max.          | <b>2 mm</b>       |                |              |
| wanddikte     |                   |                |              |



|               |                   |                |              |
|---------------|-------------------|----------------|--------------|
| Art.nr.       | <b>80092</b>      | Hydrauliekschr | <b>80209</b> |
| EAN           | <b>4251269336</b> | oef            |              |
|               | <b>232</b>        | Contramoer     | <b>80211</b> |
| Aantal        | <b>1</b>          |                |              |
| Aantal        | <b>-</b>          |                |              |
| centerponspun |                   |                |              |
| ten           |                   |                |              |
| Inbouwmaat    | <b>45 x 92 mm</b> |                |              |
| Ponsbaar      | <b>Kunststof,</b> |                |              |
| materiaal     | <b>Mild steel</b> |                |              |
|               | <b>(St)</b>       |                |              |
| Max.          | <b>2 mm</b>       |                |              |
| wanddikte     |                   |                |              |

|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80066</b>                              | Hydrauliekschr | <b>80209</b> |
| EAN                            |                                           | oef            |              |
| Aantal                         | <b>1</b>                                  | Contramoer     | <b>80211</b> |
| Aantal<br>centerponspun<br>ten | -                                         |                |              |
| Inbouwmaat                     | <b>91 × 117 mm</b>                        |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |



|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80224</b>                              | Hydrauliekschr | <b>80226</b> |
| EAN                            |                                           | oef            |              |
| Aantal                         | <b>1</b>                                  | Contramoer     | <b>80211</b> |
| Aantal<br>centerponspun<br>ten | <b>4</b>                                  | Centerponsen   | <b>80065</b> |
| Inbouwmaat                     | <b>73 × 24 mm</b>                         |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |





|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80161</b>                      | Hydrauliekschr | <b>80226</b> |
| EAN                |                                   | oef            |              |
| Aantal             | <b>1</b>                          | Contramoer     | <b>80211</b> |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>71 x 29 mm</b>                 |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80064</b>                      | Hydrauliekschr | <b>80209</b> |
| EAN                |                                   | oef            |              |
| Aantal             | <b>1</b>                          | Contramoer     | <b>80211</b> |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>68 x 68 mm</b>                 |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |





|               |                    |                |              |
|---------------|--------------------|----------------|--------------|
| Art.nr.       | <b>80074</b>       | Hydrauliekschr | <b>80209</b> |
| EAN           |                    | oef            |              |
| Aantal        | <b>1</b>           | Contramoer     | <b>80211</b> |
| Aantal        | -                  |                |              |
| centerponspun |                    |                |              |
| ten           |                    |                |              |
| Inbouwmaat    | <b>65 × 113 mm</b> |                |              |
| Ponsbaar      | <b>Kunststof,</b>  |                |              |
| materiaal     | <b>Mild steel</b>  |                |              |
|               | <b>(St)</b>        |                |              |
| Max.          | <b>2 mm</b>        |                |              |
| wanddikte     |                    |                |              |



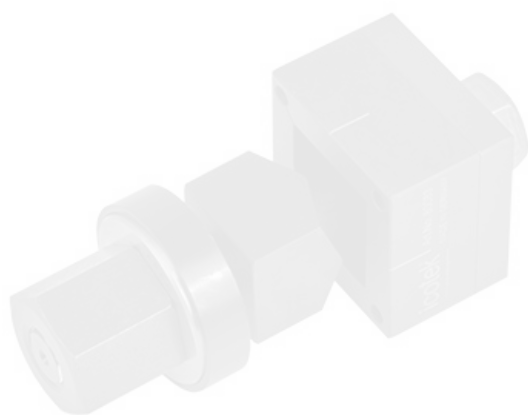
|               |                    |                |              |
|---------------|--------------------|----------------|--------------|
| Art.nr.       | <b>80085</b>       | Hydrauliekschr | <b>80209</b> |
| EAN           | <b>4251269336</b>  | oef            |              |
|               | <b>164</b>         | Contramoer     | <b>80211</b> |
| Aantal        | <b>1</b>           |                |              |
| Aantal        | -                  |                |              |
| centerponspun |                    |                |              |
| ten           |                    |                |              |
| Inbouwmaat    | <b>50.8 × 50.8</b> |                |              |
|               | <b>mm</b>          |                |              |
| Ponsbaar      | <b>Kunststof,</b>  |                |              |
| materiaal     | <b>Mild steel</b>  |                |              |
|               | <b>(St)</b>        |                |              |
| Max.          | <b>2 mm</b>        |                |              |
| wanddikte     |                    |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80091</b>                      | Hydrauliekschr | <b>80231</b> |
| EAN                | <b>4251269336</b>                 | oef            |              |
|                    | <b>225</b>                        | Contramoer     | <b>80227</b> |
| Aantal             | <b>1</b>                          |                |              |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>25 x 50 mm</b>                 |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80159</b>                      | Hydrauliekschr | <b>80226</b> |
| EAN                |                                   | oef            |              |
| Aantal             | <b>1</b>                          | Contramoer     | <b>80211</b> |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>32 x 90 mm</b>                 |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80084</b>                      | Hydrauliekschr | <b>80205</b> |
| EAN                | <b>4251269336</b>                 | oef            |              |
|                    | <b>157</b>                        | Contramoer     | <b>80227</b> |
| Aantal             | <b>1</b>                          |                |              |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>25.4 × 25.4 mm</b>             |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80223</b>                      | Hydrauliekschr | <b>80226</b> |
| EAN                |                                   | oef            |              |
| Aantal             | <b>1</b>                          | Contramoer     | <b>80211</b> |
| Aantal             | <b>4</b>                          | Centerponsen   | <b>80065</b> |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>24 × 57 mm</b>                 |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



|                         |                                   |                |              |
|-------------------------|-----------------------------------|----------------|--------------|
| Art.nr.                 | <b>80083</b>                      | Hydrauliekschr | <b>80205</b> |
| EAN                     | <b>4251269336</b>                 | oef            |              |
| Aantal                  | <b>1</b>                          | Contramoor     | <b>80227</b> |
| Aantal centerponspunten | <b>-</b>                          |                |              |
| Inbouwmaat              | <b>24 x 24 mm</b>                 |                |              |
| Ponsbaar materiaal      | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte          | <b>2 mm</b>                       |                |              |



|                          |                                   |                |              |
|--------------------------|-----------------------------------|----------------|--------------|
| Art.nr.                  | <b>80067</b>                      | Max. wanddikte | <b>2 mm</b>  |
| EAN                      |                                   | Hydrauliekschr | <b>80205</b> |
| Aantal                   | <b>1</b>                          | oef            |              |
| Aantal centerponspunten  | <b>2</b>                          | Contramoor     | <b>80227</b> |
| Inbouwmaat               | <b>22.2 x 22.2 mm</b>             | Centerponsen   | <b>80232</b> |
| For cut-out of connector | <b>HAN 3A</b>                     |                |              |
| Ponsbaar materiaal       | <b>Kunststof, Mild steel (St)</b> |                |              |



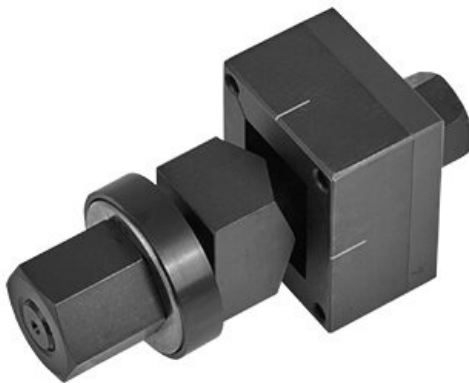
|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80073</b>                              | Hydrauliekschr | <b>80228</b> |
| EAN                            |                                           | oef            |              |
| Aantal                         | <b>1</b>                                  | Contramoer     | <b>80229</b> |
| Aantal<br>centerponspun<br>ten | -                                         |                |              |
| For cut-out of<br>connector    | <b>SUB-D9</b>                             |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |



|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80059</b>                              | Hydrauliekschr | <b>80205</b> |
| EAN                            | <b>4251269319</b>                         | oef            |              |
| Aantal                         | <b>174</b>                                | Contramoer     | <b>80227</b> |
| Aantal<br>centerponspun<br>ten | -                                         |                |              |
| Inbouwmaat                     | <b>22 x 45 mm</b>                         |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |



|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80089</b>                      | Hydrauliekschr | <b>80205</b> |
| EAN                | <b>4251269336</b>                 | oef            |              |
|                    | <b>201</b>                        | Contramoer     | <b>80227</b> |
| Aantal             | <b>1</b>                          |                |              |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>22 x 42 mm</b>                 |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



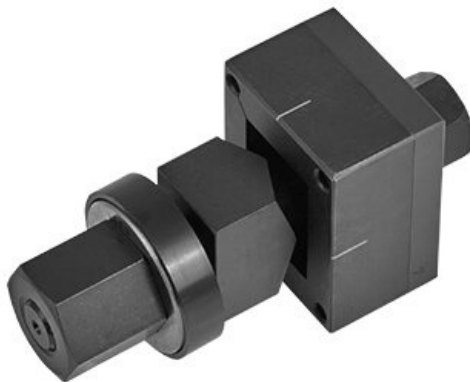
|                    |                                   |                |              |
|--------------------|-----------------------------------|----------------|--------------|
| Art.nr.            | <b>80088</b>                      | Hydrauliekschr | <b>80205</b> |
| EAN                | <b>4251269336</b>                 | oef            |              |
|                    | <b>195</b>                        | Contramoer     | <b>80227</b> |
| Aantal             | <b>1</b>                          |                |              |
| Aantal             | <b>-</b>                          |                |              |
| centerponspunten   |                                   |                |              |
| Inbouwmaat         | <b>22 x 30 mm</b>                 |                |              |
| Ponsbaar materiaal | <b>Kunststof, Mild steel (St)</b> |                |              |
| Max. wanddikte     | <b>2 mm</b>                       |                |              |



|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80082</b>                              | Hydrauliekschr | <b>80205</b> |
| EAN                            | <b>4251269336</b>                         | oef            |              |
|                                | <b>133</b>                                | Contramoer     | <b>80227</b> |
| Aantal                         | <b>1</b>                                  |                |              |
| Aantal<br>centerponspun<br>ten | -                                         |                |              |
| Inbouwmaat                     | <b>21.3 × 21.3<br/>mm</b>                 |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |



|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80081</b>                              | Hydrauliekschr | <b>80205</b> |
| EAN                            | <b>4251269336</b>                         | oef            |              |
|                                | <b>126</b>                                | Contramoer     | <b>80227</b> |
| Aantal                         | <b>1</b>                                  |                |              |
| Aantal<br>centerponspun<br>ten | -                                         |                |              |
| Inbouwmaat                     | <b>19.1 × 19.1<br/>mm</b>                 |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |



|               |                   |                |              |
|---------------|-------------------|----------------|--------------|
| Art.nr.       | <b>80087</b>      | Hydrauliekschr | <b>80228</b> |
| EAN           | <b>4251269336</b> | oef            |              |
| Aantal        | <b>1</b>          | Contramoer     | <b>80229</b> |
| Aantal        | -                 |                |              |
| centerponspun |                   |                |              |
| ten           |                   |                |              |
| Inbouwmaat    | <b>17 x 19 mm</b> |                |              |
| Ponsbaar      | <b>Kunststof,</b> |                |              |
| materiaal     | <b>Mild steel</b> |                |              |
|               | <b>(St)</b>       |                |              |
| Max.          | <b>2 mm</b>       |                |              |
| wanddikte     |                   |                |              |



|               |                    |                |              |
|---------------|--------------------|----------------|--------------|
| Art.nr.       | <b>80222</b>       | Hydrauliekschr | <b>80228</b> |
| EAN           |                    | oef            |              |
| Aantal        | <b>1</b>           | Contramoer     | <b>80229</b> |
| Aantal        | -                  |                |              |
| centerponspun |                    |                |              |
| ten           |                    |                |              |
| Inbouwmaat    | <b>16.4 x 15.3</b> |                |              |
|               | <b>mm</b>          |                |              |
| Ponsbaar      | <b>Kunststof,</b>  |                |              |
| materiaal     | <b>Mild steel</b>  |                |              |
|               | <b>(St)</b>        |                |              |
| Max.          | <b>2 mm</b>        |                |              |
| wanddikte     |                    |                |              |





|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80080</b>                              | Hydrauliekschr | <b>80228</b> |
| EAN                            | <b>4251269336</b>                         | oef            |              |
|                                | <b>119</b>                                | Contramoer     | <b>80229</b> |
| Aantal                         | <b>1</b>                                  |                |              |
| Aantal<br>centerponspun<br>ten | <b>-</b>                                  |                |              |
| Inbouwmaat                     | <b>15.8 × 15.8<br/>mm</b>                 |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |



|                                |                                           |                |              |
|--------------------------------|-------------------------------------------|----------------|--------------|
| Art.nr.                        | <b>80220</b>                              | Hydrauliekschr | <b>80228</b> |
| EAN                            |                                           | oef            |              |
| Aantal                         | <b>1</b>                                  | Contramoer     | <b>80229</b> |
| Aantal<br>centerponspun<br>ten | <b>-</b>                                  |                |              |
| Inbouwmaat                     | <b>15.4 × 14.5<br/>mm</b>                 |                |              |
| Ponsbaar<br>materiaal          | <b>Kunststof,<br/>Mild steel<br/>(St)</b> |                |              |
| Max.<br>wanddikte              | <b>2 mm</b>                               |                |              |



|               |                    |                |              |
|---------------|--------------------|----------------|--------------|
| Art.nr.       | <b>80079</b>       | Hydrauliekschr | <b>80228</b> |
| EAN           | <b>4251269336</b>  | oef            |              |
|               | <b>102</b>         | Contramoer     | <b>80229</b> |
| Aantal        | <b>1</b>           |                |              |
| Aantal        | <b>-</b>           |                |              |
| centerponspun |                    |                |              |
| ten           |                    |                |              |
| Inbouwmaat    | <b>12.7 x 12.7</b> |                |              |
|               | <b>mm</b>          |                |              |
| Ponsbaar      | <b>Kunststof,</b>  |                |              |
| materiaal     | <b>Mild steel</b>  |                |              |
|               | <b>(St)</b>        |                |              |
| Max.          | <b>2 mm</b>        |                |              |
| wanddikte     |                    |                |              |

#### Hydraulieschroef 80205



|             |               |
|-------------|---------------|
| Art.nr.     | <b>80205</b>  |
| EAN         |               |
| Aantal      | <b>1</b>      |
| Diameter D1 | <b>13 mm</b>  |
| Diameter D2 | <b>11 mm</b>  |
| Lengte      | <b>105 mm</b> |

Hydrauliekschroef 80209



|             |               |
|-------------|---------------|
| Art.nr.     | <b>80209</b>  |
| EAN         |               |
| Aantal      | <b>1</b>      |
| Diameter D1 | <b>19 mm</b>  |
| Lengte      | <b>135 mm</b> |

Hydrauliekschroef 80213



|             |                |
|-------------|----------------|
| Art.nr.     | <b>80213</b>   |
| EAN         |                |
| Aantal      | <b>1</b>       |
| Diameter D1 | <b>28,3 mm</b> |
| Diameter D2 | <b>25 mm</b>   |
| Lengte      | <b>155 mm</b>  |

Hydrauliekschroef 80226



|             |                   |
|-------------|-------------------|
| Art.nr.     | <b>80226</b>      |
| EAN         | <b>4251269336</b> |
|             | <b>263</b>        |
| Aantal      | <b>1</b>          |
| Diameter D1 | <b>19 mm</b>      |
| Diameter D2 | <b>14 mm</b>      |
| Lengte      | <b>130 mm</b>     |

Hydraulieschroef 80228



|             |                      |
|-------------|----------------------|
| Art.nr.     | <b>80228</b>         |
| EAN         | <b>4251269336287</b> |
| Aantal      | <b>1</b>             |
| Diameter D1 | <b>9,5 mm</b>        |
| Diameter D2 | <b>8,25 mm</b>       |
| Lengte      | <b>105 mm</b>        |

Hydraulieschroef 80231



|             |                      |
|-------------|----------------------|
| Art.nr.     | <b>80231</b>         |
| EAN         | <b>4251269336317</b> |
| Aantal      | <b>1</b>             |
| Diameter D1 | <b>16 mm</b>         |
| Diameter D2 | <b>14,5 mm</b>       |
| Lengte      | <b>110 mm</b>        |

Contramoer 80206



|              |                |
|--------------|----------------|
| Art.nr.      | <b>80206</b>   |
| EAN          |                |
| Aantal       | <b>1</b>       |
| Schroefdraad | <b>1/2 UNF</b> |

Contramoer 80211

Art.nr. **80211**  
EAN  
Aantal **1**  
Schroefdraad **3/4 UNF**



Contramoer 80229

Art.nr. **80229**  
EAN **4251269336294**  
Aantal **1**  
Schroefdraad **3/8 UNF**



Contramoer 80214

Art.nr. **80214**  
EAN  
Aantal **1**



