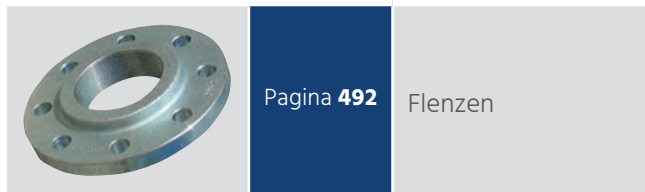
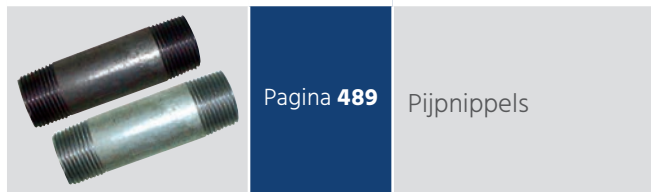
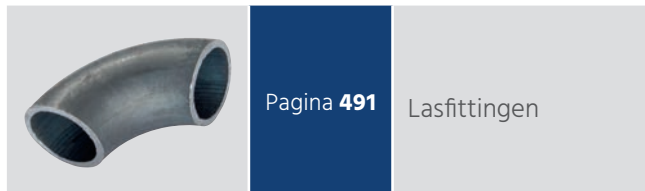
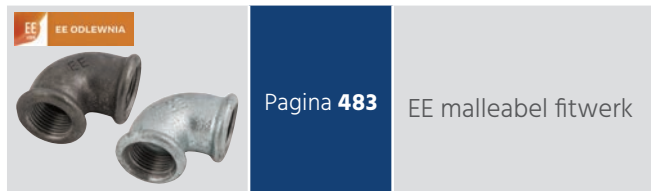




# Malleabele fittingen

8





# EE ODLEWNIA

GRUPA  
ZAWIERCIE

## WHITEHEART MALLEABEL FITWERK

- Duurzaam geproduceerd van recycled ijzer
- Topkwaliteit voor een scherpe prijs
- Compleet en uitgebreid assortiment

### TOEPASSINGEN:

Persluchtsystemen, ringleidingssystemen, hydraulische systemen, sprinklerinstallaties, olie- en benzinesystemen, waterleidingen, gasleidingen, stoomleidingen, CV-systemen, gritstraalinstallaties & smeersystemen

### TECHNISCHE SPECIFICATIES MATERIAAL:

Whiteheart malleabel EN-GJM-400-5 smeedbaar gietijzer, volgens EN 1562, equivalent tot W 40-05, volgens ISO 5922

### VERVAARDIGING:

Volgens EN 10242 en ISO 49

### SCHROEFDRAAD:

BSPT volgens ISO 7/1 en BSP volgens ISO 228/1

### OPPERVLAKTEBEHANDELING:

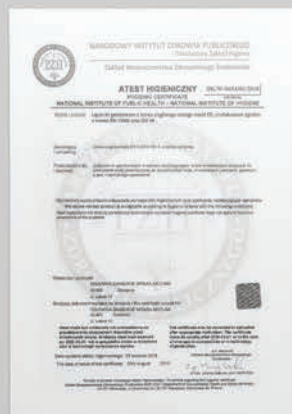
Zwart of gegalvaniseerd volgens EN 10242

### WERKDruk:

20°C tot 120°C : 2.5 MPa (25 bar)  
300°C : 2.0 MPa (20 bar)

### LEKTEST:

Volgens EN 10242 is elke EE fitting is onderworpen aan een lektest bij een werkdruk van minimaal 0.5 MPa (5 bar), equivalent aan een minimale hydrostatische druk van 2.0 MPa (20 bar)



## WHITEHEART MALLEABEL FITWERK EE BRAND

[www.eeodlewnia.pl](http://www.eeodlewnia.pl)

TECH DATA  
20528

## 1-Bocht 90° male/female



Zwart - BSPT male/BSP female

| 6700      |        | €     |
|-----------|--------|-------|
| 46101313Z | 1/4"   | 2.30  |
| 46101717Z | 3/8"   | 2.75  |
| 46102121Z | 1/2"   | 2.50  |
| 46102727Z | 3/4"   | 4.30  |
| 46103232Z | 1"     | 6.00  |
| 46104242Z | 1 1/4" | 10.40 |
| 46104848Z | 1 1/2" | 13.75 |
| 46106060Z | 2"     | 22.40 |
| 46107676Z | 2 1/2" | 48.85 |
| 46108989Z | 3"     | 63.25 |

Verzinkt - BSPT male/BSP female

| 6700     |        | €      |
|----------|--------|--------|
| 46101313 | 1/4"   | 2.85   |
| 46101717 | 3/8"   | 3.55   |
| 46102121 | 1/2"   | 3.10   |
| 46102727 | 3/4"   | 5.45   |
| 46103232 | 1"     | 7.50   |
| 46104242 | 1 1/4" | 12.75  |
| 46104848 | 1 1/2" | 17.10  |
| 46106060 | 2"     | 27.60  |
| 46107676 | 2 1/2" | 60.70  |
| 46108989 | 3"     | 78.55  |
| 46100114 | 4"     | 142.30 |

## 2-Bocht 90° female



Zwart - BSP female

| 6700      |        | €     |
|-----------|--------|-------|
| 46092121Z | 1/2"   | 2.75  |
| 46092727Z | 3/4"   | 4.40  |
| 46093232Z | 1"     | 6.05  |
| 46094242Z | 1 1/4" | 10.40 |
| 46094848Z | 1 1/2" | 12.85 |
| 46096060Z | 2"     | 17.85 |

Verzinkt - BSP female

| 6700     |        | €      |
|----------|--------|--------|
| 46092121 | 1/2"   | 3.55   |
| 46092727 | 3/4"   | 5.50   |
| 46093232 | 1"     | 7.50   |
| 46094242 | 1 1/4" | 12.85  |
| 46094848 | 1 1/2" | 15.95  |
| 46096060 | 2"     | 22.15  |
| 46097676 | 2 1/2" | 61.60  |
| 46098989 | 3"     | 77.35  |
| 46090114 | 4"     | 146.85 |

## 3-Bocht 90° male



Verzinkt - BSPT male

| 6700     |      | €    |
|----------|------|------|
| 45032121 | 1/2" | 5.10 |
| 45032727 | 3/4" | 5.65 |
| 45033232 | 1"   | 8.05 |

## 40-Bocht 45° male/female



Verzinkt - BSPT male/BSP female

| 6700     |        | €      |
|----------|--------|--------|
| 48101313 | 1/4"   | 4.15   |
| 48101717 | 3/8"   | 3.80   |
| 48102121 | 1/2"   | 3.55   |
| 48102727 | 3/4"   | 4.75   |
| 48103232 | 1"     | 6.75   |
| 48104242 | 1 1/4" | 12.00  |
| 48104848 | 1 1/2" | 14.20  |
| 48106060 | 2"     | 22.40  |
| 48107676 | 2 1/2" | 48.75  |
| 48108989 | 3"     | 53.40  |
| 48100114 | 4"     | 120.80 |

## 41-Bocht 45° female



Zwart - BSP female

| 6700      |        | €     |
|-----------|--------|-------|
| 48094242Z | 1 1/4" | 9.80  |
| 48094848Z | 1 1/2" | 13.05 |
| 48096060Z | 2"     | 18.40 |

Verzinkt - BSP female

| 6700     |        | €     |
|----------|--------|-------|
| 48092121 | 1/2"   | 4.15  |
| 48092727 | 3/4"   | 5.30  |
| 48093232 | 1"     | 6.75  |
| 48094242 | 1 1/4" | 12.15 |
| 48094848 | 1 1/2" | 16.05 |
| 48096060 | 2"     | 22.55 |
| 48097676 | 2 1/2" | 44.85 |
| 48098989 | 3"     | 57.15 |

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## 90-Knie 90° female



## Zwart - BSP female

| 6700      |  | €     |
|-----------|-----------------------------------------------------------------------------------|-------|
| 45091313Z | 1/4"                                                                              | 1.55  |
| 45091717Z | 3/8"                                                                              | 1.25  |
| 45092121Z | 1/2"                                                                              | 0.95  |
| 45092727Z | 3/4"                                                                              | 1.55  |
| 45093232Z | 1"                                                                                | 2.15  |
| 45094242Z | 1.1/4"                                                                            | 4.05  |
| 45094848Z | 1.1/2"                                                                            | 6.75  |
| 45096060Z | 2"                                                                                | 7.80  |
| 45097676Z | 2.1/2"                                                                            | 22.40 |
| 45098989Z | 3"                                                                                | 30.75 |
| 45090114Z | 4"                                                                                | 49.05 |

## Verzinkt - BSP female

| 6700     |  | €     |
|----------|-----------------------------------------------------------------------------------|-------|
| 45091313 | 1/4"                                                                              | 1.90  |
| 45091717 | 3/8"                                                                              | 1.55  |
| 45092121 | 1/2"                                                                              | 1.45  |
| 45092727 | 3/4"                                                                              | 1.85  |
| 45093232 | 1"                                                                                | 2.60  |
| 45094242 | 1.1/4"                                                                            | 5.00  |
| 45094848 | 1.1/2"                                                                            | 8.40  |
| 45096060 | 2"                                                                                | 9.70  |
| 45097676 | 2.1/2"                                                                            | 27.85 |
| 45098989 | 3"                                                                                | 38.20 |
| 45090114 | 4"                                                                                | 67.15 |

## 92-Knie 90° male/female



## Zwart - BSPT male/BSP female

| 6700      |  | €     |
|-----------|-----------------------------------------------------------------------------------|-------|
| 45101313Z | 1/4"                                                                              | 1.60  |
| 45101717Z | 3/8"                                                                              | 1.45  |
| 45102121Z | 1/2"                                                                              | 1.20  |
| 45102727Z | 3/4"                                                                              | 1.75  |
| 45103232Z | 1"                                                                                | 2.75  |
| 45104242Z | 1.1/4"                                                                            | 4.75  |
| 45104848Z | 1.1/2"                                                                            | 7.20  |
| 45106060Z | 2"                                                                                | 9.45  |
| 45107676Z | 2.1/2"                                                                            | 23.20 |
| 45108989Z | 3"                                                                                | 30.45 |

## Verzinkt - BSPT male/BSP female

| 6700     |  | €     |
|----------|-----------------------------------------------------------------------------------|-------|
| 45101313 | 1/4"                                                                              | 2.05  |
| 45101717 | 3/8"                                                                              | 1.85  |
| 45102121 | 1/2"                                                                              | 1.45  |
| 45102727 | 3/4"                                                                              | 2.15  |
| 45103232 | 1"                                                                                | 3.55  |
| 45104242 | 1.1/4"                                                                            | 6.00  |
| 45104848 | 1.1/2"                                                                            | 8.95  |
| 45106060 | 2"                                                                                | 11.85 |
| 45107676 | 2.1/2"                                                                            | 28.70 |
| 45108989 | 3"                                                                                | 37.75 |
| 45100114 | 4"                                                                                | 67.30 |

## 96-Driedelige knie conisch dichtend female



## Zwart - BSP female

| 6700      |  | €     |
|-----------|-------------------------------------------------------------------------------------|-------|
| 49092121Z | 1/2"                                                                                | 6.05  |
| 49092727Z | 3/4"                                                                                | 6.90  |
| 49093232Z | 1"                                                                                  | 10.10 |
| 49094242Z | 1.1/4"                                                                              | 16.95 |
| 49094848Z | 1.1/2"                                                                              | 19.85 |
| 49096060Z | 2"                                                                                  | 33.55 |

## Verzinkt - BSP female

| 6700     |  | €     |
|----------|--------------------------------------------------------------------------------------|-------|
| 49091717 | 3/8"                                                                                 | 9.20  |
| 49092121 | 1/2"                                                                                 | 7.65  |
| 49092727 | 3/4"                                                                                 | 8.60  |
| 49093232 | 1"                                                                                   | 12.55 |
| 49094242 | 1.1/4"                                                                               | 20.85 |
| 49094848 | 1.1/2"                                                                               | 24.60 |
| 49096060 | 2"                                                                                   | 41.50 |

## 98-Driedelige knie conisch dichtend male/female



## Zwart - BSPT male/BSP female

| 6700      |  | €     |
|-----------|-------------------------------------------------------------------------------------|-------|
| 49102727Z | 3/4"                                                                                | 7.75  |
| 49103232Z | 1"                                                                                  | 10.80 |
| 49104242Z | 1.1/4"                                                                              | 17.75 |
| 49104848Z | 1.1/2"                                                                              | 21.95 |
| 49106060Z | 2"                                                                                  | 35.60 |

## Verzinkt - BSPT male/BSP female

| 6700     |  | €     |
|----------|-------------------------------------------------------------------------------------|-------|
| 49101717 | 3/8"                                                                                | 8.10  |
| 49102121 | 1/2"                                                                                | 7.65  |
| 49102727 | 3/4"                                                                                | 9.45  |
| 49103232 | 1"                                                                                  | 13.25 |
| 49104242 | 1.1/4"                                                                              | 22.05 |
| 49104848 | 1.1/2"                                                                              | 27.05 |
| 49106060 | 2"                                                                                  | 44.10 |



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## 130-Tee female



### Zwart - BSP female

| 6700      |        | €     |
|-----------|--------|-------|
| 45121313Z | 1/4"   | 2.15  |
| 45121717Z | 3/8"   | 1.85  |
| 45122121Z | 1/2"   | 1.25  |
| 45122727Z | 3/4"   | 2.15  |
| 45123232Z | 1"     | 2.95  |
| 45124242Z | 1 1/4" | 5.50  |
| 45124848Z | 1 1/2" | 8.70  |
| 45126060Z | 2"     | 12.35 |
| 45127676Z | 2 1/2" | 27.30 |
| 45128989Z | 3"     | 36.85 |
| 45120114Z | 4"     | 70.70 |

### Verzinkt - BSP female

| 6700     |        | €     |
|----------|--------|-------|
| 45121313 | 1/4"   | 2.60  |
| 45121717 | 3/8"   | 2.30  |
| 45122121 | 1/2"   | 1.75  |
| 45122727 | 3/4"   | 2.60  |
| 45123232 | 1"     | 4.05  |
| 45124242 | 1 1/4" | 6.80  |
| 45124848 | 1 1/2" | 10.90 |
| 45126060 | 2"     | 15.15 |
| 45127676 | 2 1/2" | 33.95 |
| 45128989 | 3"     | 45.45 |
| 45120114 | 4"     | 87.65 |

## 130-Tee female verlopnd



### Zwart - BSP female

| 6700      |                      | €     |
|-----------|----------------------|-------|
| 46211321Z | 1/2"-1/4"-1/2"       | 2.85  |
| 46212721Z | 1/2"-3/4"-1/2"       | 2.55  |
| 46271327Z | 3/4"-1/4"-3/4"       | 4.05  |
| 46272121Z | 3/4"-1/2"-1/2"       | 2.50  |
| 46272721Z | 3/4"-3/4"-1/2"       | 2.70  |
| 46322132Z | 1"-1/2"-1"           | 2.85  |
| 46423242Z | 1 1/4"-1"-1 1/4"     | 6.00  |
| 46482748Z | 1 1/2"-3/4"-1 1/2"   | 7.10  |
| 46483248Z | 1 1/2"-1"-1 1/2"     | 7.75  |
| 46484248Z | 1 1/2"-1 1/4"-1 1/2" | 10.40 |
| 46602160Z | 2"-1/2"-2"           | 9.70  |
| 46602760Z | 2"-3/4"-2"           | 12.75 |
| 46603260Z | 2"-1"-2"             | 9.95  |
| 46604260Z | 2"-1 1/4"-2"         | 12.55 |
| 46604860Z | 2"-1 1/2"-2"         | 14.60 |

### Verzinkt - BSP female

| 6700     |                      | €     |
|----------|----------------------|-------|
| 46211321 | 1/2"-1/4"-1/2"       | 3.80  |
| 46212721 | 1/2"-3/4"-1/2"       | 3.30  |
| 46271327 | 3/4"-1/4"-3/4"       | 5.00  |
| 46271727 | 3/4"-3/8"-3/4"       | 3.65  |
| 46272127 | 3/4"-1/2"-3/4"       | 2.60  |
| 46321732 | 1"-3/8"-1"           | 6.10  |
| 46322132 | 1"-1/2"-1"           | 3.65  |
| 46322732 | 1"-3/4"-1"           | 3.95  |
| 46323221 | 1"-1"-1/2"           | 4.85  |
| 46324832 | 1"-1 1/2"-1"         | 11.20 |
| 46422142 | 1 1/4"-1/2"-1 1/4"   | 6.15  |
| 46422732 | 1 1/4"-3/4"-1"       | 8.05  |
| 46422742 | 1 1/4"-3/4"-1 1/4"   | 6.60  |
| 46482148 | 1 1/2"-1/2"-1 1/2"   | 8.40  |
| 46482748 | 1 1/2"-3/4"-1 1/2"   | 8.80  |
| 46483242 | 1 1/2"-1"-1 1/4"     | 10.90 |
| 46483248 | 1 1/2"-1"-1 1/2"     | 9.80  |
| 46484248 | 1 1/2"-1 1/4"-1 1/2" | 12.85 |
| 46486048 | 1 1/2"-2"-1 1/2"     | 17.75 |
| 46602160 | 2"-1/2"-2"           | 12.00 |
| 46602760 | 2"-3/4"-2"           | 15.70 |
| 46603260 | 2"-1"-2"             | 12.35 |
| 46604260 | 2"-1 1/4"-2"         | 15.70 |
| 46604860 | 2"-1 1/2"-2"         | 18.20 |
| 46762776 | 2 1/2"-3/4"-2 1/2"   | 25.10 |
| 46764876 | 2 1/2"-1 1/2"-2 1/2" | 29.20 |
| 46766076 | 2 1/2"-2"-2 1/2"     | 33.05 |
| 46894889 | 3"-1 1/2"-3"         | 46.15 |
| 46896089 | 3"-2"-3"             | 42.60 |
| 46897689 | 3"-2 1/2"-3"         | 50.80 |

## 165-Tee 45° female



### Verzinkt - BSP female

| 6700     |        | €     |
|----------|--------|-------|
| 48122121 | 1/2"   | 8.95  |
| 48122727 | 3/4"   | 10.40 |
| 48123232 | 1"     | 15.50 |
| 48124242 | 1 1/4" | 19.15 |
| 48124848 | 1 1/2" | 25.90 |

## 180-Kruisstuk female



### Zwart - BSP female

| 6700      |      | €    |
|-----------|------|------|
| 45322121Z | 1/2" | 4.20 |
| 45322727Z | 3/4" | 6.50 |
| 45323232Z | 1"   | 7.85 |

### Verzinkt - BSP female

| 6700     |        | €     |
|----------|--------|-------|
| 45321717 | 3/8"   | 5.80  |
| 45322121 | 1/2"   | 5.50  |
| 45322727 | 3/4"   | 8.40  |
| 45323232 | 1"     | 10.50 |
| 45324242 | 1 1/4" | 13.85 |
| 45324848 | 1 1/2" | 18.75 |
| 45326060 | 2"     | 27.60 |

## 221-Knie met zijspruitstuk female



### Verzinkt - BSP female

| 6700     |      | €     |
|----------|------|-------|
| 49991717 | 3/8" | 6.75  |
| 49992121 | 1/2" | 5.00  |
| 49992727 | 3/4" | 7.80  |
| 49993232 | 1"   | 10.60 |

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## 240-Verloopsok


**Verzinkt - BSP female**

| 6700     |  | €     |
|----------|-----------------------------------------------------------------------------------|-------|
| 45071713 | 3/8"-1/4"                                                                         | 2.20  |
| 45072113 | 1/2"-1/4"                                                                         | 2.30  |
| 45072117 | 1/2"-3/8"                                                                         | 1.95  |
| 45072717 | 3/4"-3/8"                                                                         | 2.65  |
| 45072721 | 3/4"-1/2"                                                                         | 2.30  |
| 45073217 | 1"-3/8"                                                                           | 3.65  |
| 45073221 | 1"-1/2"                                                                           | 2.75  |
| 45073227 | 1"-3/4"                                                                           | 2.55  |
| 45074221 | 1 1/4"-1/2"                                                                       | 5.35  |
| 45074232 | 1 1/4"-1"                                                                         | 4.75  |
| 45074821 | 1 1/2"-1/2"                                                                       | 8.40  |
| 45074827 | 1 1/2"-3/4"                                                                       | 7.50  |
| 45074832 | 1 1/2"-1"                                                                         | 5.65  |
| 45074842 | 1 1/2"-1 1/4"                                                                     | 6.30  |
| 45076021 | 2"-1/2"                                                                           | 11.45 |
| 45076027 | 2"-3/4"                                                                           | 12.00 |
| 45076032 | 2"-1"                                                                             | 11.20 |
| 45076042 | 2"-1 1/4"                                                                         | 9.80  |
| 45076048 | 2"-1 1/2"                                                                         | 9.20  |
| 45077632 | 2 1/2"-1"                                                                         | 22.55 |
| 45077660 | 2 1/2"-2"                                                                         | 25.40 |
| 45078960 | 3"-2"                                                                             | 39.55 |
| 45078976 | 3"-2 1/2"                                                                         | 44.85 |
| 45711460 | 4"-2"                                                                             | 68.15 |
| 45711489 | 4"-3"                                                                             | 73.15 |

## 241-Verloopring


**Zwart - BSPT  
male/BSP female**

| 6700      |  | €    |
|-----------|-----------------------------------------------------------------------------------|------|
| 45041713Z | 3/8"-1/4"                                                                         | 1.10 |
| 45042113Z | 1/2"-1/4"                                                                         | 0.90 |
| 45042117Z | 1/2"-3/8"                                                                         | 0.85 |
| 45042713Z | 3/4"-1/4"                                                                         | 1.65 |
| 45042717Z | 3/4"-3/8"                                                                         | 1.45 |
| 45042721Z | 3/4"-1/2"                                                                         | 0.90 |
| 45043217Z | 1"-3/8"                                                                           | 2.15 |
| 45043221Z | 1"-1/2"                                                                           | 1.45 |
| 45043227Z | 1"-3/4"                                                                           | 1.25 |
| 45044221Z | 1 1/4"-1/2"                                                                       | 2.50 |
| 45044227Z | 1 1/4"-3/4"                                                                       | 2.15 |
| 45044232Z | 1 1/4"-1"                                                                         | 1.50 |
| 45044827Z | 1 1/2"-3/4"                                                                       | 3.30 |
| 45044832Z | 1 1/2"-1"                                                                         | 2.30 |
| 45044842Z | 1 1/2"-1 1/4"                                                                     | 2.40 |
| 45046021Z | 2"-1/2"                                                                           | 6.30 |
| 45046027Z | 2"-3/4"                                                                           | 6.15 |
| 45046032Z | 2"-1"                                                                             | 5.10 |
| 45046042Z | 2"-1 1/4"                                                                         | 4.75 |
| 45046048Z | 2"-1 1/2"                                                                         | 4.40 |

**Verzinkt - BSPT male/BSP female**

| 6700     |  | €     |
|----------|------------------------------------------------------------------------------------|-------|
| 45041713 | 3/8"-1/4"                                                                          | 1.50  |
| 45042113 | 1/2"-1/4"                                                                          | 1.10  |
| 45042117 | 1/2"-3/8"                                                                          | 1.10  |
| 45042713 | 3/4"-1/4"                                                                          | 2.10  |
| 45042717 | 3/4"-3/8"                                                                          | 1.55  |
| 45042721 | 3/4"-1/2"                                                                          | 1.25  |
| 45043217 | 1"-3/8"                                                                            | 2.55  |
| 45043221 | 1"-1/2"                                                                            | 1.80  |
| 45043227 | 1"-3/4"                                                                            | 1.55  |
| 45044217 | 1 1/4"-3/8"                                                                        | 4.85  |
| 45044221 | 1 1/4"-1/2"                                                                        | 2.95  |
| 45044227 | 1 1/4"-3/4"                                                                        | 2.55  |
| 45044232 | 1 1/4"-1"                                                                          | 1.85  |
| 45044821 | 1 1/2"-1/2"                                                                        | 3.80  |
| 45044827 | 1 1/2"-3/4"                                                                        | 4.15  |
| 45044832 | 1 1/2"-1"                                                                          | 2.75  |
| 45044842 | 1 1/2"-1 1/4"                                                                      | 2.85  |
| 45046021 | 2"-1/2"                                                                            | 7.80  |
| 45046027 | 2"-3/4"                                                                            | 7.65  |
| 45046032 | 2"-1"                                                                              | 6.30  |
| 45046042 | 2"-1 1/4"                                                                          | 6.00  |
| 45046048 | 2"-1 1/2"                                                                          | 5.45  |
| 45047632 | 2 1/2"-1"                                                                          | 12.15 |
| 45047642 | 2 1/2"-1 1/4"                                                                      | 14.20 |
| 45047648 | 2 1/2"-1 1/2"                                                                      | 13.50 |
| 45047660 | 2 1/2"-2"                                                                          | 10.25 |
| 45048932 | 3"-1"                                                                              | 19.10 |
| 45048948 | 3"-1 1/2"                                                                          | 17.75 |
| 45048960 | 3"-2"                                                                              | 13.40 |
| 45048976 | 3"-2 1/2"                                                                          | 15.15 |
| 45411460 | 4"-2"                                                                              | 38.35 |
| 45411476 | 4"-2 1/2"                                                                          | 28.45 |
| 45411489 | 4"-3"                                                                              | 27.30 |

## 245-Verloopnippel


**Zwart - BSPT male**

| 6700      |  | €    |
|-----------|-------------------------------------------------------------------------------------|------|
| 45021713Z | 3/8"-1/4"                                                                           | 1.80 |
| 45022113Z | 1/2"-1/4"                                                                           | 2.50 |
| 45022117Z | 1/2"-3/8"                                                                           | 2.15 |
| 45022717Z | 3/4"-3/8"                                                                           | 3.65 |
| 45022721Z | 3/4"-1/2"                                                                           | 1.85 |
| 45023221Z | 1"-1/2"                                                                             | 3.80 |
| 45023227Z | 1"-3/4"                                                                             | 2.15 |
| 45024232Z | 1 1/4"-1"                                                                           | 3.55 |
| 45024832Z | 1 1/2"-1"                                                                           | 7.85 |
| 45024842Z | 1 1/2"-1 1/4"                                                                       | 4.20 |
| 45026032Z | 2"-1"                                                                               | 7.10 |
| 45026042Z | 2"-1 1/4"                                                                           | 8.95 |
| 45026048Z | 2"-1 1/2"                                                                           | 8.30 |

**Verzinkt - BSPT male**

| 6700     |  | €     |
|----------|---------------------------------------------------------------------------------------|-------|
| 45021713 | 3/8"-1/4"                                                                             | 2.30  |
| 45022113 | 1/2"-1/4"                                                                             | 2.95  |
| 45022117 | 1/2"-3/8"                                                                             | 2.55  |
| 45022717 | 3/4"-3/8"                                                                             | 4.65  |
| 45022721 | 3/4"-1/2"                                                                             | 2.40  |
| 45023221 | 1"-1/2"                                                                               | 4.65  |
| 45023227 | 1"-3/4"                                                                               | 2.55  |
| 45024221 | 1 1/4"-1/2"                                                                           | 7.15  |
| 45024227 | 1 1/4"-3/4"                                                                           | 6.10  |
| 45024232 | 1 1/4"-1"                                                                             | 4.20  |
| 45024827 | 1 1/2"-3/4"                                                                           | 6.10  |
| 45024832 | 1 1/2"-1"                                                                             | 9.95  |
| 45024842 | 1 1/2"-1 1/4"                                                                         | 5.30  |
| 45026032 | 2"-1"                                                                                 | 8.80  |
| 45026042 | 2"-1 1/4"                                                                             | 11.20 |
| 45026048 | 2"-1 1/2"                                                                             | 10.10 |
| 45027648 | 2 1/2"-1 1/2"                                                                         | 14.90 |
| 45027660 | 2 1/2"-2"                                                                             | 25.10 |
| 45028960 | 3"-2"                                                                                 | 30.60 |
| 45028976 | 3"-2 1/2"                                                                             | 37.85 |

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## 246-Soknippel verlopend



Verzinkt - BSP  
female/BSP male

| 6700     |               | €     |
|----------|---------------|-------|
| 45081713 | 3/8"-1/4"     | 2.10  |
| 45082113 | 1/2"-1/4"     | 2.50  |
| 45082117 | 1/2"-3/8"     | 2.20  |
| 45082717 | 3/4"-3/8"     | 3.55  |
| 45082721 | 3/4"-1/2"     | 2.30  |
| 45083221 | 1"-1/2"       | 3.55  |
| 45083227 | 1"-3/4"       | 3.80  |
| 45084227 | 1 1/4"-3/4"   | 6.75  |
| 45084232 | 1 1/4"-1"     | 4.20  |
| 45084832 | 1 1/2"-1"     | 7.95  |
| 45084842 | 1 1/2"-1 1/4" | 6.90  |
| 45086042 | 2"-1 1/4"     | 11.35 |
| 45086048 | 2"-1 1/2"     | 12.00 |

## 270-Sok



Zwart - BSP female

| 6700      |        | €    |
|-----------|--------|------|
| 45061313Z | 1/4"   | 1.45 |
| 45061717Z | 3/8"   | 1.25 |
| 45062121Z | 1/2"   | 1.20 |
| 45062727Z | 3/4"   | 1.45 |
| 45063232Z | 1"     | 1.80 |
| 45064242Z | 1 1/4" | 2.85 |
| 45064848Z | 1 1/2" | 4.05 |
| 45066060Z | 2"     | 6.30 |

Verzinkt - BSP female

| 6700     |        | €     |
|----------|--------|-------|
| 45061313 | 1/4"   | 1.85  |
| 45061717 | 3/8"   | 1.55  |
| 45062121 | 1/2"   | 1.45  |
| 45062727 | 3/4"   | 1.80  |
| 45063232 | 1"     | 2.30  |
| 45064242 | 1 1/4" | 3.65  |
| 45064848 | 1 1/2" | 5.20  |
| 45066060 | 2"     | 7.80  |
| 45067676 | 2 1/2" | 21.40 |
| 45068989 | 3"     | 25.80 |
| 45060114 | 4"     | 59.20 |

## 280-Dubbele nippel



Zwart - BSPT male

| 6700      |        | €     |
|-----------|--------|-------|
| 45001313Z | 1/4"   | 1.50  |
| 45001717Z | 3/8"   | 1.80  |
| 45002121Z | 1/2"   | 0.95  |
| 45002727Z | 3/4"   | 1.25  |
| 45003232Z | 1"     | 1.75  |
| 45004242Z | 1 1/4" | 2.85  |
| 45004848Z | 1 1/2" | 3.55  |
| 45006060Z | 2"     | 6.30  |
| 45007676Z | 2 1/2" | 11.05 |
| 45008989Z | 3"     | 13.25 |

Verzinkt - BSPT male

| 6700     |        | €     |
|----------|--------|-------|
| 45001313 | 1/4"   | 1.85  |
| 45001717 | 3/8"   | 2.20  |
| 45002121 | 1/2"   | 1.45  |
| 45002727 | 3/4"   | 1.55  |
| 45003232 | 1"     | 2.20  |
| 45004242 | 1 1/4" | 3.65  |
| 45004848 | 1 1/2" | 4.20  |
| 45006060 | 2"     | 7.80  |
| 45007676 | 2 1/2" | 13.50 |
| 45008989 | 3"     | 16.35 |
| 45000114 | 4"     | 59.00 |

## 300-Kap zeskant



Zwart - BSP female

| 6700      |        | €     |
|-----------|--------|-------|
| 45261300Z | 1/4"   | 1.05  |
| 45261700Z | 3/8"   | 0.95  |
| 45262100Z | 1/2"   | 1.20  |
| 45262700Z | 3/4"   | 1.45  |
| 45263200Z | 1"     | 1.55  |
| 45264200Z | 1 1/4" | 2.50  |
| 45264800Z | 1 1/2" | 3.10  |
| 45266000Z | 2"     | 5.65  |
| 45267600Z | 2 1/2" | 10.50 |
| 45268900Z | 3"     | 11.45 |
| 45261140Z | 4"     | 24.85 |

## 290-Plug met vierkante kop



Zwart - BSPT male

| 6700      |        | €     |
|-----------|--------|-------|
| 45181300Z | 1/4"   | 0.80  |
| 45181700Z | 3/8"   | 0.70  |
| 45182100Z | 1/2"   | 0.70  |
| 45182700Z | 3/4"   | 0.95  |
| 45183200Z | 1"     | 1.20  |
| 45184200Z | 1 1/4" | 2.10  |
| 45184800Z | 1 1/2" | 2.50  |
| 45186000Z | 2"     | 4.50  |
| 45187600Z | 2 1/2" | 9.45  |
| 45188900Z | 3"     | 12.35 |
| 45181140Z | 4"     | 21.25 |

Verzinkt - BSPT male

| 6700     |        | €     |
|----------|--------|-------|
| 45181300 | 1/4"   | 1.05  |
| 45181700 | 3/8"   | 0.90  |
| 45182100 | 1/2"   | 0.95  |
| 45182700 | 3/4"   | 1.25  |
| 45183200 | 1"     | 1.45  |
| 45184200 | 1 1/4" | 2.50  |
| 45184800 | 1 1/2" | 2.95  |
| 45186000 | 2"     | 5.65  |
| 45187600 | 2 1/2" | 11.85 |
| 45188900 | 3"     | 15.15 |
| 45181140 | 4"     | 26.75 |

Verzinkt - BSP female

| 6700     |        | €     |
|----------|--------|-------|
| 45261300 | 1/4"   | 1.45  |
| 45261700 | 3/8"   | 1.45  |
| 45262100 | 1/2"   | 1.50  |
| 45262700 | 3/4"   | 1.80  |
| 45263200 | 1"     | 2.05  |
| 45264200 | 1 1/4" | 3.10  |
| 45264800 | 1 1/2" | 3.85  |
| 45266000 | 2"     | 7.20  |
| 45267600 | 2 1/2" | 13.20 |
| 45268900 | 3"     | 14.30 |
| 45261140 | 4"     | 30.95 |



**TECH DATA**  
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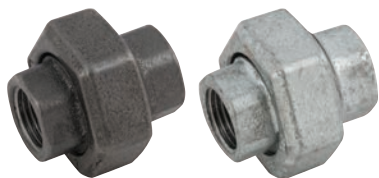
### 310-Sluitmoer zeskant



Verzinkt - BSP female

| 6700     |  | €    |
|----------|-----------------------------------------------------------------------------------|------|
| 45301700 | 3/8"                                                                              | 1.45 |
| 45302100 | 1/2"                                                                              | 1.05 |
| 45302700 | 3/4"                                                                              | 1.10 |
| 45303200 | 1"                                                                                | 1.50 |
| 45304200 | 1 1/4"                                                                            | 2.40 |
| 45304800 | 1 1/2"                                                                            | 2.60 |
| 45306000 | 2"                                                                                | 5.45 |

### 340-Driedelige koppeling conisch dichtend female



Zwart - BSP female

| 6700      |  | €     |
|-----------|-------------------------------------------------------------------------------------|-------|
| 46061717Z | 3/8"                                                                                | 5.45  |
| 46062121Z | 1/2"                                                                                | 5.10  |
| 46062727Z | 3/4"                                                                                | 5.30  |
| 46063232Z | 1"                                                                                  | 6.15  |
| 46064242Z | 1 1/4"                                                                              | 10.10 |
| 46064848Z | 1 1/2"                                                                              | 11.85 |
| 46066060Z | 2"                                                                                  | 19.75 |
| 46067676Z | 2 1/2"                                                                              | 42.85 |
| 46068989Z | 3"                                                                                  | 52.40 |

Verzinkt - BSP female

| 6700     |  | €      |
|----------|-------------------------------------------------------------------------------------|--------|
| 46061717 | 3/8"                                                                                | 6.75   |
| 46062121 | 1/2"                                                                                | 6.40   |
| 46062727 | 3/4"                                                                                | 6.70   |
| 46063232 | 1"                                                                                  | 7.65   |
| 46064242 | 1 1/4"                                                                              | 12.75  |
| 46064848 | 1 1/2"                                                                              | 14.90  |
| 46066060 | 2"                                                                                  | 24.60  |
| 46067676 | 2 1/2"                                                                              | 53.00  |
| 46068989 | 3"                                                                                  | 72.95  |
| 46061140 | 4"                                                                                  | 146.85 |

### 341-Driedelige koppeling conisch dichtend male/female



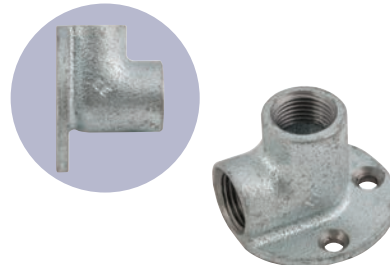
Zwart - BSPT male/BSP female

| 6700      |  | €     |
|-----------|-----------------------------------------------------------------------------------|-------|
| 47081717Z | 3/8"                                                                              | 4.75  |
| 47082121Z | 1/2"                                                                              | 4.60  |
| 47082727Z | 3/4"                                                                              | 5.50  |
| 47083232Z | 1"                                                                                | 6.80  |
| 47084242Z | 1 1/4"                                                                            | 10.90 |
| 47084848Z | 1 1/2"                                                                            | 13.95 |
| 47086060Z | 2"                                                                                | 22.05 |
| 47087676Z | 2 1/2"                                                                            | 46.80 |
| 47088989Z | 3"                                                                                | 73.15 |

Verzinkt - BSPT male/BSP female

| 6700     |  | €      |
|----------|------------------------------------------------------------------------------------|--------|
| 47081717 | 3/8"                                                                               | 6.00   |
| 47082121 | 1/2"                                                                               | 6.00   |
| 47082727 | 3/4"                                                                               | 7.30   |
| 47083232 | 1"                                                                                 | 8.60   |
| 47084242 | 1 1/4"                                                                             | 13.40  |
| 47086060 | 2"                                                                                 | 27.05  |
| 47084848 | 1 1/2"                                                                             | 17.10  |
| 47087676 | 2 1/2"                                                                             | 57.85  |
| 47088989 | 3"                                                                                 | 90.50  |
| 47080114 | 4"                                                                                 | 162.60 |

### 471-Muurplaat female



Verzinkt - BSP female

| 6700     |  | €     |
|----------|-------------------------------------------------------------------------------------|-------|
| 45472121 | 1/2"                                                                                | 6.80  |
| 45472727 | 3/4"                                                                                | 13.45 |

### 529A-Soknippel



Verzinkt - BSPT male/BSP female

| 6700     |  | €    |
|----------|---------------------------------------------------------------------------------------|------|
| 46082121 | 1/2"                                                                                  | 2.40 |
| 46082727 | 3/4"                                                                                  | 3.35 |
| 46083232 | 1"                                                                                    | 5.30 |

Voor

### schroefdraaddichting- en borging



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# Pijpnippels - staal

## 23-Pijpnippel



Zwart - BSPT male - DIN 2982

| MALZ      |  |  | €    |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|
| 45313040Z | 1/4"                                                                              | 40                                                                                | 2.10 |
| 45313060Z | 1/4"                                                                              | 60                                                                                | 2.50 |
| 45313080Z | 1/4"                                                                              | 80                                                                                | 2.75 |
| 45313100Z | 1/4"                                                                              | 100                                                                               | 2.95 |
| 45313120Z | 1/4"                                                                              | 120                                                                               | 3.45 |
| 45313150Z | 1/4"                                                                              | 150                                                                               | 4.25 |
| 45313180Z | 1/4"                                                                              | 180                                                                               | 5.40 |
| 45313200Z | 1/4"                                                                              | 200                                                                               | 6.05 |
| 45313250Z | 1/4"                                                                              | 250                                                                               | 6.90 |
| 45313300Z | 1/4"                                                                              | 300                                                                               | 7.85 |
| 45317030Z | 3/8"                                                                              | 30                                                                                | 2.25 |
| 45317040Z | 3/8"                                                                              | 40                                                                                | 2.05 |
| 45317060Z | 3/8"                                                                              | 60                                                                                | 2.10 |
| 45317080Z | 3/8"                                                                              | 80                                                                                | 2.20 |
| 45317100Z | 3/8"                                                                              | 100                                                                               | 2.45 |
| 45317120Z | 3/8"                                                                              | 120                                                                               | 2.65 |
| 45317150Z | 3/8"                                                                              | 150                                                                               | 3.20 |
| 45317180Z | 3/8"                                                                              | 180                                                                               | 3.75 |
| 45317200Z | 3/8"                                                                              | 200                                                                               | 4.50 |
| 45317250Z | 3/8"                                                                              | 250                                                                               | 5.50 |
| 45317300Z | 3/8"                                                                              | 300                                                                               | 6.45 |
| 45321030Z | 1/2"                                                                              | 30                                                                                | 2.20 |
| 45321040Z | 1/2"                                                                              | 40                                                                                | 1.00 |
| 45321060Z | 1/2"                                                                              | 60                                                                                | 1.10 |
| 45321080Z | 1/2"                                                                              | 80                                                                                | 1.20 |
| 45321100Z | 1/2"                                                                              | 100                                                                               | 1.50 |
| 45321120Z | 1/2"                                                                              | 120                                                                               | 1.60 |
| 45321150Z | 1/2"                                                                              | 150                                                                               | 2.10 |
| 45321180Z | 1/2"                                                                              | 180                                                                               | 2.50 |
| 45321200Z | 1/2"                                                                              | 200                                                                               | 2.55 |
| 45321250Z | 1/2"                                                                              | 250                                                                               | 2.90 |
| 45321300Z | 1/2"                                                                              | 300                                                                               | 3.35 |
| 45327040Z | 3/4"                                                                              | 40                                                                                | 1.10 |

| MALZ      |  |  | €    |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|
| 45327060Z | 3/4"                                                                              | 60                                                                                | 1.20 |
| 45327080Z | 3/4"                                                                              | 80                                                                                | 1.60 |
| 45327100Z | 3/4"                                                                              | 100                                                                               | 1.90 |
| 45327120Z | 3/4"                                                                              | 120                                                                               | 2.10 |
| 45327150Z | 3/4"                                                                              | 150                                                                               | 2.20 |
| 45327180Z | 3/4"                                                                              | 180                                                                               | 2.65 |
| 45327200Z | 3/4"                                                                              | 200                                                                               | 2.90 |
| 45327250Z | 3/4"                                                                              | 250                                                                               | 3.35 |
| 45327300Z | 3/4"                                                                              | 300                                                                               | 4.00 |
| 45332040Z | 1"                                                                                | 40                                                                                | 1.60 |
| 45332060Z | 1"                                                                                | 60                                                                                | 1.65 |
| 45332080Z | 1"                                                                                | 80                                                                                | 2.00 |
| 45332100Z | 1"                                                                                | 100                                                                               | 2.20 |
| 45332120Z | 1"                                                                                | 120                                                                               | 2.45 |
| 45332150Z | 1"                                                                                | 150                                                                               | 2.75 |
| 45332180Z | 1"                                                                                | 180                                                                               | 3.45 |
| 45332200Z | 1"                                                                                | 200                                                                               | 4.25 |
| 45332250Z | 1"                                                                                | 250                                                                               | 4.50 |
| 45332300Z | 1"                                                                                | 300                                                                               | 5.40 |
| 45342060Z | 1 1/4"                                                                            | 60                                                                                | 2.60 |
| 45342080Z | 1 1/4"                                                                            | 80                                                                                | 2.65 |
| 45342100Z | 1 1/4"                                                                            | 100                                                                               | 2.75 |
| 45342120Z | 1 1/4"                                                                            | 120                                                                               | 2.90 |
| 45342150Z | 1 1/4"                                                                            | 150                                                                               | 3.45 |
| 45342180Z | 1 1/4"                                                                            | 180                                                                               | 4.35 |
| 45342200Z | 1 1/4"                                                                            | 200                                                                               | 5.50 |
| 45342250Z | 1 1/4"                                                                            | 250                                                                               | 6.20 |
| 45342300Z | 1 1/4"                                                                            | 300                                                                               | 6.90 |
| 45348060Z | 1 1/2"                                                                            | 60                                                                                | 2.90 |
| 45348080Z | 1 1/2"                                                                            | 80                                                                                | 2.95 |
| 45348100Z | 1 1/2"                                                                            | 100                                                                               | 3.35 |
| 45348120Z | 1 1/2"                                                                            | 120                                                                               | 3.60 |
| 45348150Z | 1 1/2"                                                                            | 150                                                                               | 4.35 |

| MALZ      |  |  | €     |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 45348180Z | 1 1/2"                                                                              | 180                                                                                 | 5.25  |
| 45348200Z | 1 1/2"                                                                              | 200                                                                                 | 5.65  |
| 45348250Z | 1 1/2"                                                                              | 250                                                                                 | 7.10  |
| 45348300Z | 1 1/2"                                                                              | 300                                                                                 | 8.15  |
| 45360080Z | 2"                                                                                  | 80                                                                                  | 4.95  |
| 45360100Z | 2"                                                                                  | 100                                                                                 | 5.35  |
| 45360120Z | 2"                                                                                  | 120                                                                                 | 5.65  |
| 45360150Z | 2"                                                                                  | 150                                                                                 | 6.45  |
| 45360180Z | 2"                                                                                  | 180                                                                                 | 7.30  |
| 45360200Z | 2"                                                                                  | 200                                                                                 | 7.80  |
| 45360250Z | 2"                                                                                  | 250                                                                                 | 10.00 |
| 45360300Z | 2"                                                                                  | 300                                                                                 | 11.70 |
| 45376100Z | 2 1/2"                                                                              | 100                                                                                 | 9.65  |
| 45376120Z | 2 1/2"                                                                              | 120                                                                                 | 10.25 |
| 45376150Z | 2 1/2"                                                                              | 150                                                                                 | 11.95 |
| 45376180Z | 2 1/2"                                                                              | 180                                                                                 | 12.85 |
| 45376200Z | 2 1/2"                                                                              | 200                                                                                 | 14.15 |
| 45376250Z | 2 1/2"                                                                              | 250                                                                                 | 17.60 |
| 45376300Z | 2 1/2"                                                                              | 300                                                                                 | 19.75 |
| 45389100Z | 3"                                                                                  | 100                                                                                 | 12.85 |
| 45389120Z | 3"                                                                                  | 120                                                                                 | 14.00 |
| 45389150Z | 3"                                                                                  | 150                                                                                 | 15.70 |
| 45389180Z | 3"                                                                                  | 180                                                                                 | 16.95 |
| 45389200Z | 3"                                                                                  | 200                                                                                 | 18.15 |
| 45389250Z | 3"                                                                                  | 250                                                                                 | 21.30 |
| 45389300Z | 3"                                                                                  | 300                                                                                 | 23.25 |
| 45314100Z | 4"                                                                                  | 100                                                                                 | 20.05 |
| 45314120Z | 4"                                                                                  | 120                                                                                 | 21.15 |
| 45314150Z | 4"                                                                                  | 150                                                                                 | 23.55 |
| 45314180Z | 4"                                                                                  | 180                                                                                 | 28.05 |
| 45314200Z | 4"                                                                                  | 200                                                                                 | 29.25 |
| 45314250Z | 4"                                                                                  | 250                                                                                 | 34.40 |
| 45314300Z | 4"                                                                                  | 300                                                                                 | 38.90 |



# Pijpnippels - staal

## 23-Pijpnippel



Verzinkt - BSPT male - DIN 2982

| MALF     |      | L<br>mm | €    |
|----------|------|---------|------|
| 45311060 | 1/8" | 60      | 2.20 |
| 45311080 | 1/8" | 80      | 2.20 |
| 45313040 | 1/4" | 40      | 2.35 |
| 45313060 | 1/4" | 60      | 2.60 |
| 45313080 | 1/4" | 80      | 2.90 |
| 45313100 | 1/4" | 100     | 3.35 |
| 45313120 | 1/4" | 120     | 3.80 |
| 45313150 | 1/4" | 150     | 4.60 |
| 45313180 | 1/4" | 180     | 5.35 |
| 45313200 | 1/4" | 200     | 6.20 |
| 45313250 | 1/4" | 250     | 7.10 |
| 45313300 | 1/4" | 300     | 7.80 |
| 45317030 | 3/8" | 30      | 2.25 |
| 45317040 | 3/8" | 40      | 2.25 |
| 45317060 | 3/8" | 60      | 2.35 |
| 45317080 | 3/8" | 80      | 2.65 |
| 45317100 | 3/8" | 100     | 2.80 |
| 45317120 | 3/8" | 120     | 3.15 |
| 45317150 | 3/8" | 150     | 3.75 |
| 45317180 | 3/8" | 180     | 4.00 |
| 45317200 | 3/8" | 200     | 4.95 |
| 45317250 | 3/8" | 250     | 5.90 |
| 45317300 | 3/8" | 300     | 7.55 |
| 45321030 | 1/2" | 30      | 2.20 |
| 45321040 | 1/2" | 40      | 1.05 |
| 45321060 | 1/2" | 60      | 1.35 |
| 45321080 | 1/2" | 80      | 1.50 |
| 45321100 | 1/2" | 100     | 1.60 |
| 45321120 | 1/2" | 120     | 1.90 |
| 45321150 | 1/2" | 150     | 2.20 |
| 45321180 | 1/2" | 180     | 2.70 |
| 45321200 | 1/2" | 200     | 2.95 |
| 45321250 | 1/2" | 250     | 3.45 |
| 45321300 | 1/2" | 300     | 3.90 |

| MALF     |        | L<br>mm | €    |
|----------|--------|---------|------|
| 45327040 | 3/4"   | 40      | 1.50 |
| 45327060 | 3/4"   | 60      | 1.50 |
| 45327080 | 3/4"   | 80      | 1.65 |
| 45327100 | 3/4"   | 100     | 1.90 |
| 45327120 | 3/4"   | 120     | 2.20 |
| 45327150 | 3/4"   | 150     | 2.55 |
| 45327180 | 3/4"   | 180     | 2.95 |
| 45327200 | 3/4"   | 200     | 3.30 |
| 45327250 | 3/4"   | 250     | 3.70 |
| 45327300 | 3/4"   | 300     | 4.95 |
| 45332040 | 1"     | 40      | 1.90 |
| 45332060 | 1"     | 60      | 2.00 |
| 45332080 | 1"     | 80      | 2.20 |
| 45332100 | 1"     | 100     | 2.60 |
| 45332120 | 1"     | 120     | 2.70 |
| 45332150 | 1"     | 150     | 3.05 |
| 45332180 | 1"     | 180     | 3.90 |
| 45332200 | 1"     | 200     | 4.50 |
| 45332250 | 1"     | 250     | 5.35 |
| 45332300 | 1"     | 300     | 6.35 |
| 45342060 | 1,1/4" | 60      | 2.65 |
| 45342080 | 1,1/4" | 80      | 2.70 |
| 45342100 | 1,1/4" | 100     | 2.90 |
| 45342120 | 1,1/4" | 120     | 3.05 |
| 45342150 | 1,1/4" | 150     | 3.90 |
| 45342180 | 1,1/4" | 180     | 4.95 |
| 45342200 | 1,1/4" | 200     | 5.50 |
| 45342250 | 1,1/4" | 250     | 6.95 |
| 45342300 | 1,1/4" | 300     | 7.85 |
| 45348060 | 1,1/2" | 60      | 2.95 |
| 45348080 | 1,1/2" | 80      | 3.20 |
| 45348100 | 1,1/2" | 100     | 3.45 |
| 45348120 | 1,1/2" | 120     | 4.05 |
| 45348150 | 1,1/2" | 150     | 4.85 |

| MALF     |        | L<br>mm | €     |
|----------|--------|---------|-------|
| 45348180 | 1,1/2" | 180     | 5.85  |
| 45348200 | 1,1/2" | 200     | 6.45  |
| 45348250 | 1,1/2" | 250     | 8.15  |
| 45348300 | 1,1/2" | 300     | 9.45  |
| 45360080 | 2"     | 80      | 5.35  |
| 45360100 | 2"     | 100     | 5.85  |
| 45360120 | 2"     | 120     | 6.20  |
| 45360150 | 2"     | 150     | 7.00  |
| 45360180 | 2"     | 180     | 8.15  |
| 45360200 | 2"     | 200     | 9.15  |
| 45360250 | 2"     | 250     | 11.25 |
| 45360300 | 2"     | 300     | 13.20 |
| 45376100 | 2,1/2" | 100     | 10.70 |
| 45376120 | 2,1/2" | 120     | 11.15 |
| 45376150 | 2,1/2" | 150     | 13.20 |
| 45376180 | 2,1/2" | 180     | 14.15 |
| 45376200 | 2,1/2" | 200     | 15.60 |
| 45376250 | 2,1/2" | 250     | 19.00 |
| 45376300 | 2,1/2" | 300     | 21.70 |
| 45389100 | 3"     | 100     | 14.00 |
| 45389120 | 3"     | 120     | 15.15 |
| 45389150 | 3"     | 150     | 16.45 |
| 45389180 | 3"     | 180     | 18.40 |
| 45389200 | 3"     | 200     | 20.65 |
| 45389250 | 3"     | 250     | 24.60 |
| 45389300 | 3"     | 300     | 27.95 |
| 45314100 | 4"     | 100     | 22.50 |
| 45314120 | 4"     | 120     | 25.30 |
| 45314150 | 4"     | 150     | 28.90 |
| 45314180 | 4"     | 180     | 31.55 |
| 45314200 | 4"     | 200     | 34.30 |
| 45314250 | 4"     | 250     | 37.25 |
| 45314300 | 4"     | 300     | 45.20 |

# Lasfittingen

**Materiaal:** Normaal wandig staal 37.0.S (naadloos)  
**Kwaliteitscontrole:** T.U.V. Quality systems. Fabricage volgens DIN.  
**Oppervlaktebehandeling:** Zwart

**Barstdruk:** 80 bar  
**Werkdruk:** 30 bar  
 (bij +20°C)

## Lasbocht 90°



Zwart DIN 2605 (Staal 37.0.S)

| MALZ      |        | OD<br>mm | mm  | €     |
|-----------|--------|----------|-----|-------|
| 45192100Z | 1/2"   | 21,3     | 2,0 | 2.80  |
| 45192700Z | 3/4"   | 26,9     | 2,3 | 2.85  |
| 45193200Z | 1"     | 33,7     | 2,6 | 3.30  |
| 45194200Z | 1 1/4" | 42,4     | 2,6 | 3.80  |
| 45194800Z | 1 1/2" | 48,3     | 2,6 | 4.70  |
| 45196000Z | 2"     | 60,3     | 2,9 | 7.55  |
| 45197600Z | 2 1/2" | 76,1     | 2,9 | 10.35 |
| 45198600Z | 3"     | 88,9     | 3,2 | 15.15 |
| 45198700Z | 101    | 101,6    | 3,6 | 24.60 |
| 45198900Z | 108    | 108,0    | 3,6 | 25.50 |
| 45191140Z | 4"     | 114,3    | 3,6 | 26.80 |

## Lasbocht 45°

TECH DATA  
30231



Zwart DIN 2605 (Staal 37.0.S)

| MALZ      |        | OD<br>mm | mm  | €     |
|-----------|--------|----------|-----|-------|
| 46192100Z | 1/2"   | 21,3     | 2,0 | 4.15  |
| 46192700Z | 3/4"   | 26,9     | 2,3 | 4.20  |
| 46193200Z | 1"     | 33,7     | 2,6 | 4.25  |
| 46194200Z | 1 1/4" | 42,4     | 2,6 | 5.85  |
| 46194800Z | 1 1/2" | 48,3     | 2,6 | 10.00 |
| 46196000Z | 2"     | 60,3     | 2,9 | 11.95 |
| 46197600Z | 2 1/2" | 76,1     | 2,9 | 13.30 |
| 46198600Z | 3"     | 88,9     | 3,2 | 23.85 |
| 46191140Z | 4"     | 114,3    | 3,6 | 54.00 |

## Lassok egaal

TECH DATA  
30232



Female - DIN 2986 (Staal 37.0.S)

| MALZ      |        | OD<br>mm | L<br>mm | €     |
|-----------|--------|----------|---------|-------|
| 45161000Z | 1/8"   | 14,7     | 17      | 0.85  |
| 45161300Z | 1/4"   | 18,4     | 25      | 0.85  |
| 45161700Z | 3/8"   | 21,4     | 26      | 0.95  |
| 45162100Z | 1/2"   | 26,8     | 34      | 0.95  |
| 45162700Z | 3/4"   | 32,0     | 36      | 1.50  |
| 45163200Z | 1"     | 39,7     | 43      | 2.45  |
| 45164200Z | 1 1/4" | 48,7     | 48      | 3.05  |
| 45164800Z | 1 1/2" | 55,3     | 48      | 3.75  |
| 45166000Z | 2"     | 66,2     | 56      | 5.65  |
| 45167600Z | 2 1/2" | 82,6     | 65      | 9.80  |
| 45168900Z | 3"     | 95,5     | 71      | 14.55 |
| 45161140Z | 4"     | 122,0    | 83      | 24.80 |

# Sokken

## Gesmede sok egaal



Gegalvaniseerd - BSP female

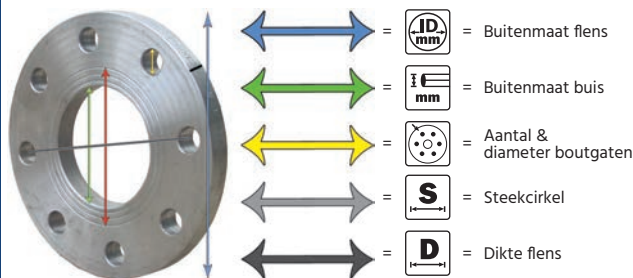
| MALF       | BSPP   | €     |
|------------|--------|-------|
| MIWRSG-18  | 1/8"   | 1.60  |
| MIWRSG-14  | 1/4"   | 1.80  |
| MIWRSG-38  | 3/8"   | 2.00  |
| MIWRSG-12  | 1/2"   | 2.10  |
| MIWRSG-34  | 3/4"   | 2.40  |
| MIWRSG-1   | 1"     | 3.90  |
| MIWRSG-114 | 1 1/4" | 6.15  |
| MIWRSG-112 | 1 1/2" | 6.55  |
| MIWRSG-2   | 2"     | 10.30 |
| MIWRSG-212 | 2 1/2" | 29.05 |
| MIWRSG-3   | 3"     | 47.30 |
| MIWRSG-4   | 4"     | 74.95 |

Zwart - BSP female

| MALF        | BSPP   | €     |
|-------------|--------|-------|
| MIWRSB-18N  | 1/8"   | 1.35  |
| MIWRSB-14N  | 1/4"   | 1.60  |
| MIWRSB-38N  | 3/8"   | 1.80  |
| MIWRSB-12N  | 1/2"   | 1.90  |
| MIWRSB-34N  | 3/4"   | 2.40  |
| MIWRSB-1N   | 1"     | 3.75  |
| MIWRSB-114N | 1 1/4" | 5.45  |
| MIWRSB-112N | 1 1/2" | 7.55  |
| MIWRSB-2N   | 2"     | 11.10 |
| MIWRSB-212N | 2 1/2" | 15.70 |
| MIWRSB-3N   | 3"     | 24.65 |
| MIWRSB-4N   | 4"     | 41.30 |



# Flenzen - staal



**Topkwaliteit voor een breed scala aan toepassingen binnen de chemische en petrochemische industrie, offshore, etc.**

Naast dit assortiment van meest toegepaste flenzen zijn een groot aantal types en maten op aanvraag leverbaar.

Draadflenzen staal C22,8, volgens DIN normering 2566

Voorlasflenzen staal C22,8 volgens DIN normering 2633 (2631/2635)

Vlakke lasflenzen staal 37,2 volgens normering EN1092-1 (voorheen DIN 2576)

Blindflenzen staal 37, volgens normering EN1092-5 (voorheen DIN 2527)

## Draadflenzen staal DIN 2566



Verzinkt - DIN 2566 ST37 - 16 bar

| FLEN           | S   | D  |        | ID mm | I mm  |          | €            |
|----------------|-----|----|--------|-------|-------|----------|--------------|
| DN15-DF16B-12  | 65  | 14 | 1/2"   | 95    | 21,3  | 4 x 14mm | <b>6.00</b>  |
| DN20-DF16B-34  | 75  | 16 | 3/4"   | 105   | 26,9  | 4 x 14mm | <b>7.30</b>  |
| DN25-DF16B-1   | 85  | 16 | 1"     | 115   | 33,7  | 4 x 14mm | <b>8.90</b>  |
| DN32-DF16B-114 | 100 | 16 | 1 1/4" | 140   | 42,4  | 4 x 18mm | <b>12.50</b> |
| DN40-DF16B-112 | 110 | 16 | 1 1/2" | 150   | 48,3  | 4 x 18mm | <b>15.10</b> |
| DN50-DF16B-2   | 125 | 18 | 2"     | 165   | 60,3  | 4 x 18mm | <b>19.55</b> |
| DN65-DF16B-212 | 145 | 18 | 2 1/2" | 185   | 76,1  | 8 x 18mm | <b>23.25</b> |
| DN80-DF16B-3   | 160 | 20 | 3"     | 200   | 88,9  | 8 x 18mm | <b>27.95</b> |
| DN100-DF16B-4  | 180 | 20 | 4"     | 220   | 114,3 | 8 x 18mm | <b>33.25</b> |



Zwart - DIN 2566 ST37 - 16 bar

| FLEN            | S   | D  |        | ID mm | I mm  |          | €            |
|-----------------|-----|----|--------|-------|-------|----------|--------------|
| DN15-DF16B-12Z  | 65  | 14 | 1/2"   | 95    | 21,3  | 4 x 14mm | <b>5.75</b>  |
| DN20-DF16B-34Z  | 75  | 16 | 3/4"   | 105   | 26,9  | 4 x 14mm | <b>7.10</b>  |
| DN25-DF16B-1Z   | 85  | 16 | 1"     | 115   | 33,7  | 4 x 14mm | <b>8.25</b>  |
| DN32-DF16B-114Z | 100 | 16 | 1 1/4" | 140   | 42,4  | 4 x 18mm | <b>12.30</b> |
| DN40-DF16B-112Z | 110 | 16 | 1 1/2" | 150   | 48,3  | 4 x 18mm | <b>13.85</b> |
| DN50-DF16B-2Z   | 125 | 18 | 2"     | 165   | 60,3  | 4 x 18mm | <b>15.60</b> |
| DN65-DF16B-212Z | 145 | 18 | 2 1/2" | 185   | 76,1  | 8 x 18mm | <b>20.95</b> |
| DN80-DF16B-3Z   | 160 | 20 | 3"     | 200   | 88,9  | 8 x 18mm | <b>25.95</b> |
| DN100-DF16B-4Z  | 180 | 20 | 4"     | 220   | 114,3 | 8 x 18mm | <b>29.45</b> |

## Voorlasflenzen staal DIN 2633

Voorlasflenzen in PN6 (DIN 2631), PN10 (DIN 2633) en PN40 (DIN 2635) en in andere maten zijn op aanvraag leverbaar.



Staal DIN 2633 C22,8 - 16 bar

| FLEN            | S   | D  |     | ID mm |           | €            |
|-----------------|-----|----|-----|-------|-----------|--------------|
| DN015-VLF021-16 | 65  | 14 | 95  | 21,3  | 4 x 14mm  | <b>4.40</b>  |
| DN020-VLF026-16 | 75  | 16 | 105 | 26,9  | 4 x 14mm  | <b>7.10</b>  |
| DN025-VLF033-16 | 85  | 16 | 115 | 33,7  | 4 x 14mm  | <b>8.00</b>  |
| DN032-VLF042-16 | 100 | 16 | 140 | 42,4  | 4 x 18mm  | <b>12.05</b> |
| DN040-VLF048-16 | 110 | 16 | 150 | 48,3  | 4 x 18mm  | <b>12.50</b> |
| DN050-VLF060-16 | 125 | 18 | 165 | 60,3  | 4 x 18mm  | <b>19.80</b> |
| DN065-VLF076-16 | 145 | 18 | 185 | 76,1  | 8 x 18mm  | <b>20.65</b> |
| DN080-VLF088-16 | 160 | 20 | 200 | 88,9  | 8 x 18mm  | <b>23.65</b> |
| DN100-VLF114-16 | 180 | 20 | 220 | 114,3 | 8 x 18mm  | <b>30.15</b> |
| DN125-VLF139-16 | 210 | 22 | 250 | 139,7 | 8 x 18mm  | <b>40.15</b> |
| DN150-VLF168-16 | 240 | 22 | 285 | 168,3 | 8 x 22mm  | <b>54.65</b> |
| DN200-VLF219-16 | 295 | 24 | 340 | 219,1 | 12 x 22mm | <b>79.95</b> |

## Vlakke lasflenzen staal EN1092-1 (voorheen DIN 2576)

Vlakke lasflenzen in PN6 (DIN 2573) en in andere maten zijn op aanvraag leverbaar.



Staal EN1092-1 ST37,2 - 16 bar

| FLEN            |  |  |  |  |  |  |  |
|-----------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| DN015-SLF021-16 | 65                                                                                  | 14                                                                                   | 16                                                                                    | 95                                                                                    | 21,3                                                                                  | 4 x 14mm                                                                              | <b>4.80</b>                                                                           |
| DN020-SLF026-16 | 75                                                                                  | 16                                                                                   | 16                                                                                    | 105                                                                                   | 26,9                                                                                  | 4 x 14mm                                                                              | <b>6.60</b>                                                                           |
| DN025-SLF033-16 | 85                                                                                  | 16                                                                                   | 16                                                                                    | 115                                                                                   | 33,7                                                                                  | 4 x 14mm                                                                              | <b>8.00</b>                                                                           |
| DN032-SLF042-16 | 100                                                                                 | 16                                                                                   | 16                                                                                    | 140                                                                                   | 42,4                                                                                  | 4 x 18mm                                                                              | <b>11.50</b>                                                                          |
| DN040-SLF048-16 | 110                                                                                 | 16                                                                                   | 16                                                                                    | 150                                                                                   | 48,3                                                                                  | 4 x 18mm                                                                              | <b>12.95</b>                                                                          |
| DN050-SLF060-16 | 125                                                                                 | 18                                                                                   | 16                                                                                    | 165                                                                                   | 60,3                                                                                  | 4 x 18mm                                                                              | <b>16.40</b>                                                                          |
| DN065-SLF076-16 | 145                                                                                 | 18                                                                                   | 16                                                                                    | 185                                                                                   | 76,1                                                                                  | 8 x 18mm                                                                              | <b>18.95</b>                                                                          |
| DN080-SLF088-16 | 160                                                                                 | 20                                                                                   | 16                                                                                    | 200                                                                                   | 88,9                                                                                  | 8 x 18mm                                                                              | <b>21.50</b>                                                                          |
| DN100-SLF114-16 | 180                                                                                 | 20                                                                                   | 16                                                                                    | 220                                                                                   | 114,3                                                                                 | 8 x 18mm                                                                              | <b>26.30</b>                                                                          |
| DN125-SLF139-16 | 210                                                                                 | 22                                                                                   | 16                                                                                    | 250                                                                                   | 139,7                                                                                 | 8 x 18mm                                                                              | <b>33.15</b>                                                                          |
| DN150-SLF168-16 | 240                                                                                 | 22                                                                                   | 16                                                                                    | 285                                                                                   | 168,3                                                                                 | 8 x 22mm                                                                              | <b>42.80</b>                                                                          |
| DN200-SLF219-16 | 295                                                                                 | 24                                                                                   | 16                                                                                    | 340                                                                                   | 219,1                                                                                 | 12 x 22mm                                                                             | <b>58.35</b>                                                                          |

Staal EN1092-1 ST37,2 - 10 bar

| FLEN            | S   | D  |    | ID mm | I mm  |           | €             |
|-----------------|-----|----|----|-------|-------|-----------|---------------|
| DN080-SLF088-10 | 160 | 20 | 10 | 200   | 88,9  | 4 x 18mm  | <b>22.75</b>  |
| DN200-SLF219-10 | 295 | 24 | 10 | 340   | 219,1 | 8 x 22mm  | <b>55.60</b>  |
| DN250-SLF273-10 | 350 | 26 | 10 | 395   | 273,0 | 12 x 22mm | <b>70.70</b>  |
| DN300-SLF323-10 | 400 | 26 | 10 | 445   | 323,9 | 12 x 22mm | <b>83.15</b>  |
| DN350-SLF355-10 | 460 | 28 | 10 | 505   | 355,6 | 16 x 22mm | <b>136.90</b> |
| DN400-SLF406-10 | 515 | 32 | 10 | 565   | 406,4 | 16 x 26mm | <b>172.20</b> |
| DN450-SLF457-10 | 565 | 26 | 10 | 615   | 457,0 | 20 x 27mm | <b>216.70</b> |
| DN500-SLF508-10 | 620 | 26 | 10 | 670   | 508,0 | 20 x 27mm | <b>272.45</b> |



# Flenzen - staal



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MALLEABELE FITTINGEN

## Blindflenzen staal EN1092-5 (voorheen DIN 2527)



Staal EN1092-5 ST37 - 16 bar

| FLEN        | S   | D  | bar | ID mm |          | €     |
|-------------|-----|----|-----|-------|----------|-------|
| DN015-BF-16 | 65  | 14 | 16  | 95    | 4 x 14mm | 4.65  |
| DN020-BF-16 | 75  | 16 | 16  | 105   | 4 x 14mm | 6.00  |
| DN025-BF-16 | 85  | 16 | 16  | 115   | 4 x 14mm | 7.60  |
| DN032-BF-16 | 100 | 16 | 16  | 140   | 4 x 18mm | 10.50 |
| DN040-BF-16 | 110 | 16 | 16  | 150   | 4 x 18mm | 11.80 |
| DN050-BF-16 | 125 | 18 | 16  | 165   | 4 x 18mm | 16.95 |
| DN065-BF-16 | 145 | 18 | 16  | 185   | 8 x 18mm | 22.75 |
| DN080-BF-16 | 160 | 20 | 16  | 200   | 8 x 18mm | 25.40 |
| DN100-BF-16 | 180 | 20 | 16  | 220   | 8 x 18mm | 33.05 |
| DN125-BF-16 | 210 | 22 | 16  | 250   | 8 x 18mm | 53.35 |
| DN150-BF-16 | 240 | 22 | 16  | 285   | 8 x 22mm | 68.80 |



Staal EN1092-5 ST37 - 10 bar

| FLEN        | S   | D  | bar | ID mm |           | €      |
|-------------|-----|----|-----|-------|-----------|--------|
| DN080-BF-10 | 160 | 20 | 10  | 200   | 4 x 18mm  | 25.40  |
| DN200-BF-10 | 295 | 24 | 10  | 340   | 8 x 22mm  | 125.25 |
| DN250-BF-10 | 350 | 26 | 10  | 395   | 12 x 22mm | 193.65 |
| DN300-BF-10 | 400 | 26 | 10  | 445   | 12 x 22mm | 240.55 |
| DN350-BF-10 | 460 | 26 | 10  | 505   | 16 x 22mm | 309.35 |
| DN400-BF-10 | 515 | 26 | 10  | 565   | 16 x 26mm | 385.80 |
| DN450-BF-10 | 565 | 28 | 10  | 615   | 20 x 27mm | 512.70 |
| DN500-BF-10 | 620 | 28 | 10  | 670   | 20 x 26mm | 630.05 |

## Universele HD flenspakking ring



Zonder boutgaten - 16 bar

| FLEN      | To<br>Suit | €     |
|-----------|------------|-------|
| PF16DN015 | DN015      | 0.80  |
| PF16DN020 | DN020      | 0.85  |
| PF16DN025 | DN025      | 0.95  |
| PF16DN032 | DN032      | 1.40  |
| PF16DN040 | DN040      | 1.70  |
| PF16DN050 | DN050      | 1.75  |
| PF16DN065 | DN065      | 2.15  |
| PF16DN080 | DN080      | 2.60  |
| PF16DN100 | DN100      | 3.45  |
| PF16DN125 | DN125      | 5.05  |
| PF16DN150 | DN150      | 5.65  |
| PF10DN200 | DN200      | 9.15  |
| PF16DN250 | DN250      | 13.65 |
| PF16DN300 | DN300      | 17.15 |
| PF16DN350 | DN350      | 29.15 |

## Universele bouten voor flenzen

Staal 8.8 gegalvaniseerd

| FLEN        |     |         | L<br>mm | €    |
|-------------|-----|---------|---------|------|
| FBOUTM12X50 | M12 | 14      | 50      | 0.55 |
| FBOUTM16X65 | M16 | 18      | 65      | 1.25 |
| FBOUTM20X90 | M20 | 22      | 90      | 2.80 |
| FBOUTM24X90 | M24 | 26 & 27 | 90      | 4.65 |

## Universele moeren voor flenzen

Staal 8.8 gegalvaniseerd

| FLEN     |     |         | €    |
|----------|-----|---------|------|
| FMOERM12 | M12 | 14      | 0.15 |
| FMOERM16 | M16 | 18      | 0.25 |
| FMOERM20 | M20 | 22      | 0.45 |
| FMOERM24 | M24 | 26 & 27 | 1.05 |

## Universele sluitringen voor flenzen

Staal 8.8 gegalvaniseerd

| FLEN       |     |         | €    |
|------------|-----|---------|------|
| FSLRINGM12 | M12 | 14      | 0.10 |
| FSLRINGM16 | M16 | 18      | 0.15 |
| FSLRINGM20 | M20 | 22      | 0.20 |
| FSLRINGM24 | M24 | 26 & 27 | 0.50 |

## Universele veerringen voor flenzen

Staal 8.8 gegalvaniseerd

| FLEN         |     |         | €    |
|--------------|-----|---------|------|
| FVEERRINGM12 | M12 | 14      | 0.10 |
| FVEERRINGM16 | M16 | 18      | 0.15 |
| FVEERRINGM20 | M20 | 22      | 0.25 |
| FVEERRINGM24 | M24 | 26 & 27 | 0.30 |

Andere uitvoeringen en materialen zijn op aanvraag leverbaar.

MALLEABELE FITTINGEN

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