

**SUMITOMO (excl. CBN, excl. WIPER)**

standaard korting: 23%, deze week 50%



**Freesplaten**

\* -40% ipv -50%

|                       |         |
|-----------------------|---------|
| APKT 1604 PDR7 ACP300 | 6,00 €  |
| AXET 1235 H1 (alu)*   | 9,32 €  |
| AXET 1705 H1 (alu)*   | 11,71 € |
| AXMT 1235 *           | 8,27 €  |
| AXMT 1705 *           | 10,46 € |
| LNEX 1306*            | 13,72 € |
| SEET 13T3 H1 (alu) *  | 10,46 € |
| SEMT 13T3 *           | 13,73 € |
| SEKR 1204             | 8,30 €  |
| XNMU 0606*            | 9,90 €  |

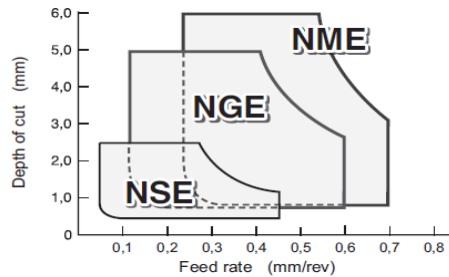
nettoprijzen gelden voor alle radiussen, spaanbrekers en AC-kwaliteiten!!!

| Cutting Process    | P General Steel (Carbon Steel, Alloy Steel), Soft Steel |                    |                     |                |     | M Stainless Steel |                    |                     |                |     | K Cast Iron     |           |                     |     |     |     |     |
|--------------------|---|--------------------|---------------------|----------------|-----|-------------------|--------------------|---------------------|----------------|-----|-----------------|-----------|---------------------|-----|-----|-----|-----|
|                    | High-Speed  | Finishing to Light | Medium              | Rough to Heavy |     | High-Speed        | Finishing to Light | Medium              | Rough to Heavy |     | High-Speed      | Finishing | Medium              |     |     |     |     |
|                    | Wear Resistance   |                    | Fracture Resistance |                |     | Wear Resistance   |                    | Fracture Resistance |                |     | Wear Resistance |           | Fracture Resistance |     |     |     |     |
| ISO Classification | -   | P01                | P10                 | P20            | P30 | P40               | -                  | M01                 | M10            | M20 | M30             | M40       | -                   | K01 | K10 | K20 | K30 |
| Coated Carbide     | ACP100  |                    |                     |                |     | ACM100            |                    |                     |                |     | ACK100          |           |                     |     |     |     |     |
|                    | ACP200  |                    |                     |                |     | ACM200            |                    |                     |                |     | ACK200          |           |                     |     |     |     |     |
|                    | ACP300  |                    |                     |                |     | ACM300            |                    |                     |                |     | ACK300          |           |                     |     |     |     |     |
|                    |   |                    |                     |                |     | ACK300            |                    |                     |                |     |                 |           |                     |     |     |     |     |
|                    |   |                    |                     |                |     | ACP300            |                    |                     |                |     |                 |           |                     |     |     |     |     |
|                    |   |                    |                     |                |     |                   |                    |                     |                |     | ACK300          |           |                     |     |     |     |     |

**Negatieve draaiplaten**

|             |        |
|-------------|--------|
| CNMG 1204.. | 5,22 € |
| DNMG 1104.. | 5,73 € |
| DNMG 1506.. | 7,69 € |
| SNMG 1204.. | 5,22 € |
| TNMG 1604.. | 4,56 € |
| VNMG 1604.. | 9,44 € |
| WNMG 0604.. | 4,25 € |
| WNMG 0804.. | 6,02 € |

**Nieuwe spaanbrekers**



**Positieve draaiplaten, geslepen**

|             |        |
|-------------|--------|
| CCGT 0602.. | 5,55 € |
| CCGT 09T3.. | 6,90 € |
| DCGT 0702.. | 6,97 € |
| DCGT 11T3.. | 8,45 € |
| VCGT 1103.. | 7,68 € |

**Positieve draaiplaten**

|             |        |
|-------------|--------|
| CCMT 0602.. | 3,37 € |
| CCMT 09T3.. | 4,19 € |
| CCMT 1204.. | 5,90 € |
| DCMT 0702.. | 3,37 € |
| DCMT 11T3.. | 4,67 € |
| SCMT 09T3.. | 4,19 € |
| SCMT 1204.. | 5,90 € |
| SPMR 0903.. | 3,64 € |
| SPMR 1203.. | 4,74 € |
| TCMT 1102.. | 3,26 € |
| TCMT 16T3.. | 4,67 € |
| TPMR 1103.. | 3,26 € |
| TPMR 1603.. | 4,19 € |
| VBMT 1102.. | 6,12 € |
| VBMT 1604.. | 7,56 € |
| VCMT 1604.. | 7,56 € |

**Cermet T1500A, geslepen**

|                     |        |
|---------------------|--------|
| TNGG 1604.. RUM/LUM | 4,75 € |
| TPGR 1103.. RW/LW   | 3,78 € |
| TPGR 1603.. RW/LW   | 4,22 € |

| Cutting Process         | P General Steel (Carbon Steel, Alloy Steel), Soft Steel |                    |                     |                |     | M Stainless Steel |                    |                     |                |     | K Cast Iron     |           |                     |     |     |     |     |
|-------------------------|---|--------------------|---------------------|----------------|-----|-------------------|--------------------|---------------------|----------------|-----|-----------------|-----------|---------------------|-----|-----|-----|-----|
|                         | High-Speed  | Finishing to Light | Medium              | Rough to Heavy |     | High-Speed        | Finishing to Light | Medium              | Rough to Heavy |     | High-Speed      | Finishing | Medium              |     |     |     |     |
|                         | Wear Resistance   |                    | Fracture Resistance |                |     | Wear Resistance   |                    | Fracture Resistance |                |     | Wear Resistance |           | Fracture Resistance |     |     |     |     |
| ISO Classification      | -   | P01                | P10                 | P20            | P30 | P40               | -                  | M01                 | M10            | M20 | M30             | M40       | -                   | K01 | K10 | K20 | K30 |
| Coated Carbide          | AC805P  |                    |                     |                |     | New AC6020M       |                    |                     |                |     | AC405K          |           |                     |     |     |     |     |
|                         | AC810P  |                    |                     |                |     | AC6030M           |                    |                     |                |     | AC415K          |           |                     |     |     |     |     |
|                         | New AC8025P   |                    |                     |                |     | AC6040M           |                    |                     |                |     | AC420K          |           |                     |     |     |     |     |
|                         | AC820P  |                    |                     |                |     | AC610M            |                    |                     |                |     | AC420K          |           |                     |     |     |     |     |
|                         | AC820P  |                    |                     |                |     | AC630M            |                    |                     |                |     | AC420K          |           |                     |     |     |     |     |
|                         | AC830P  |                    |                     |                |     | AC630M            |                    |                     |                |     | AC420K          |           |                     |     |     |     |     |
| Small Product Machining | New AC1030U   |                    |                     |                |     | New AC1030U       |                    |                     |                |     | New AC1030U     |           |                     |     |     |     |     |
|                         | AC1030U   |                    |                     |                |     | AC1030U           |                    |                     |                |     | AC1030U         |           |                     |     |     |     |     |
| Coated Cermet           | T1500Z  |                    |                     |                |     |                   |                    |                     |                |     |                 |           |                     |     |     |     |     |
|                         | T3000Z  |                    |                     |                |     |                   |                    |                     |                |     |                 |           |                     |     |     |     |     |
| Cermet                  | T1000A  |                    |                     |                |     | T1000A            |                    |                     |                |     | T1000A          |           |                     |     |     |     |     |
|                         | T1500A  |                    |                     |                |     | T1500A            |                    |                     |                |     |                 |           |                     |     |     |     |     |



draaiplaten: -40%  
steekplaten: -25%  
draaihouders: -15%  
CBN&keramiek: -10%

plaq. de tournage: -40%  
plaq. de tronçonnage: -25%  
porte-outils tournage: -15%  
CBN&c eramique: -10%

freesplaten: -30%  
freesbodies: -15%

plaq. de fraisage: -30%  
corps de fraisage: -15%

boren: -15%

forets: -15%

**Bestseller**

DCGT 11T30.. E-SF3 T6310 **9 €**  
(geschikt voor allerlei toepassingen - bon pour tout)



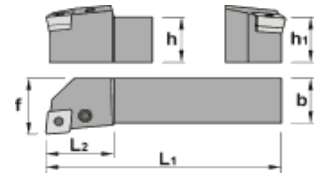
**DRAAIBEITELS  
PORTE-OUTILS DE TOURNAGE**

**CANELA**

| 1              |                | 2                    |     |
|----------------|----------------|----------------------|-----|
| Ref. 20 x 20   |                | Ref. 25 x 25         |     |
| PCLNR 2020 K12 | PCLNR 2525 M12 | →                    | 95° |
| PDJNR 2020 K11 | PDJNR 2525 M11 | →                    | 93° |
| PDJNR 2020 K15 | PDJNR 2525 M15 | →                    | 93° |
| PTGNR 2020 K16 | PTGNR 2525 M16 | →                    | 90° |
| PWLNR 2020 K06 | PWLNR 2525 M06 | →                    | 95° |
| PWLNR 2020 K08 | PWLNR 2525 M08 | →                    | 95° |
| <b>45 €</b>    |                | <b>50 €<br/>14 €</b> |     |

**insert**

CNMG 1204..  
DNMG 1104..  
DNMG 1506..  
TNMG 1604..  
WNMG 0604..  
WNMG 0804..



**DOORSTEKEN  
TRONCONNAGE**



CPTS 2620  
CPTS 2625  
CPTS 3220  
CPTS 3225  
CPTS 3232

3

hoogte opname  
hauteur dos

20  
25  
20  
25  
32

netto  
**80 €**  
**80 €**  
**85 €**  
**85 €**  
**85 €**

mes (hoogte)  
lame (hauteur)

→ XLCFN 26.. (26)  
→ XLCFN 26.. (26)  
→ XLCFN 32.. (32)  
→ XLCFN 32.. (32)  
→ XLCFN 32.. (32)



5

XLCFN 2601J02  
XLCFN 2602J03  
XLCFN 2603J04  
XLCFN 2604J05

4

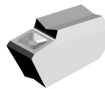
netto  
**46 €**  
**46 €**  
**46 €**  
**46 €**

→  
→  
→  
→

**insert**

PTNT 02 **6,3 €**  
PTNT 03 **6,3 €**  
PTNT 04 **6,9 €**  
PTNT 05 **7,0 €**

← XLCFN 3201M02 **46 €**  
← XLCFN 3202M03 **46 €**  
← XLCFN 3203M04 **46 €**  
← XLCFN 3204M05 **46 €**



6

**BOORBEITELS  
BARS D'ALEPAGE**

dia. schacht  
dia. queue

8  
10  
12  
16  
20  
25  
32  
40

→  
→  
→  
→  
→  
→  
→  
→

7

pos.plaat zonder gat  
plaquette pos. sans trou

netto  
-  
**55 €**  
**55 €**  
**58 €**  
**72 €**  
**80 €**  
**103 €**  
**135 €**

type C

8

neg.plaat met gat  
plaquette neg avec trou

netto  
-  
-  
**95 €**  
**99 €**  
**104 €**  
**135 €**  
**154 €**

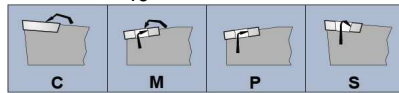
type M/P

9

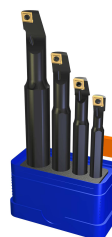
pos.plaat avec gat  
plaquette pos. avec trou

netto  
**55 €**  
**55 €**  
**55 €**  
**58 €**  
**72 €**  
**80 €**  
**103 €**  
**135 €**

type S



A



SCLCR  
95°

B



SDQCR  
107°30'

C



SDUCR  
93°

**SETS**

|                         | schacht<br>queue | min. dia.<br>dia. min. | plaat<br>plaquette | inwendige koeling<br>arrosage centrale | rechts/links<br>droite/gauche |
|-------------------------|------------------|------------------------|--------------------|--|-------------------------------|
| Set SCLCR/L 95°         | 8 / 10 / 12 / 16 | 10 / 12 / 14 / 18      | CCMT 0602..        | ✓                                      | <b>180 €</b>                  |
| Set SDQCR/L 107°30'     | 10 / 12 / 16     | 12,5 / 15,5 / 19,5     | DCMT 0702..        | ✓                                      | <b>140 €</b>                  |
| Set SDUCR/L 93°         | 10 / 12 / 16     | 12,5 / 15,5 / 19,5     | DCMT 0702..        | ✓                                      | <b>140 €</b>                  |
| Set SCLCR/L 95° CARBIDE | 8 / 10 / 12      | 10 / 12 / 14           | CCMT 0602..        | ✓                                      | <b>277 €</b>                  |
| Set SDUCR/L 93° CARBIDE | 10 / 12          | 12,5 / 15,5            | DCMT 0702..        | ✓                                      | <b>216 €</b>                  |

**X-BAR anti-trilling boorbeitel, tot 7xD**

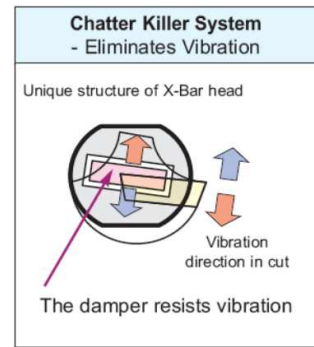
**standaard korting: 0%, deze week 25%**



| dia | 95°   | 93°                        | 91°   | 95°                                 |
|-----|-------|----------------------------|-------|-------------------------------------|
| 8*  | € 99  | CCMT0602 DCMT0702          |       |                                     |
| 10* | € 104 | CCMT0602 DCMT0702          |       |                                     |
| 12  | € 141 | CCMT0602 DCMT0702          |       |                                     |
| 16  | € 163 | CCMT09T3 DCMT0702 VBMT1103 |       |                                     |
| 20  | € 190 | CCMT09T3 DCMT11T3 VBMT1103 |       |                                     |
| 25  | € 235 | CCMT1204 DCMT11T3 VBMT1604 | € 324 | CNMG1204 TNMG1604 WNMG0804          |
| 32  | € 321 | CCMT1204 DCMT11T3 VBMT1604 | € 370 | CNMG1204 DNMG1506 TNMG1604 WNMG0804 |
| 40  |       |                            | € 429 | CNMG1204 DNMG1506 TNMG1604 WNMG0804 |

\* = zonder inwendige koeling

| Type of boring bar  | Over hang length (L/D)   |   |   |   |   |   |   |   |   |    |
|---|--|---|---|---|---|---|---|---|---|----|
|   | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| <b>● Steel Shank</b><br>Rigid head design for low cost hole boring.   | [Diagram showing steel shank bar with overhang length 1-4]   |   |   |   |   |   |   |   |   |    |
| <b>● Anti-Vibration Type Shank</b><br>Chatter killer system eliminates vibration - improves productivity - improves quality | [Diagram showing anti-vibration shank bar with overhang length 1-10]<br>(X-Bar for pos. inserts)<br>(X-Bar for neg. inserts) |   |   |   |   |   |   |   |   |    |
| <b>● Carbide Shank</b><br>High rigidity shank for high accuracy hole boring.  | [Diagram showing carbide shank bar with overhang length 1-10]  |   |   |   |   |   |   |   |   |    |



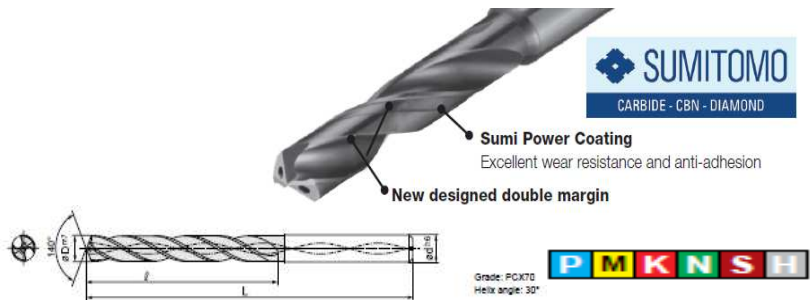
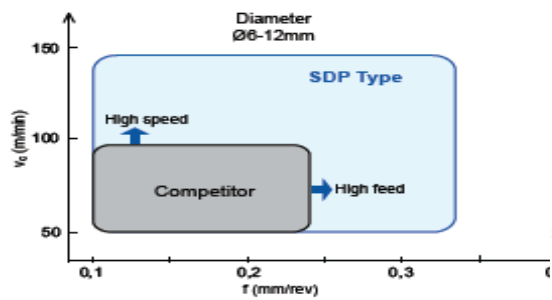
**Freesbodies**

**standaard korting: 0%, deze week 25%**

| dia | hole | Z | DFCM (90°) | Z | TSXM (90°) | Z | WGXM (45°) | Z | WEX (90°) |
|-----|------|---|------------|---|------------|---|------------|---|-----------|
| 40  | 16   | 4 |            | 4 | € 229      | 4 |            | 4 |           |
| 50  | 22   | 5 | € 285      | 5 | € 285      | 4 | € 232      | 5 | € 244     |
| 63  | 22   | 6 | € 327      | 6 | € 345      | 5 | € 281      | 6 | € 294     |
| 80  | 27   | 7 | € 381      | 7 | € 413      | 6 | € 344      | 7 | € 344     |
| 100 | 32   | 8 | € 442      | 8 | € 499      | 7 | € 398      | 8 | € 385     |

**VHM-boren met hoge voedingen**

**standaard korting: 30%, deze week 45%**

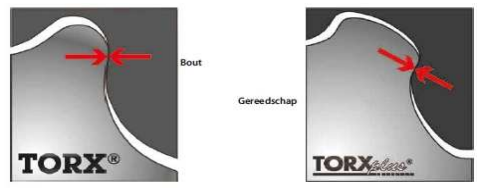


| dia       | 3xD |    |       | 5xD |    |       | 7xD |      |       |
|-----------|-----|----|-------|-----|----|-------|-----|------|-------|
|           | L   | I  | netto | L   | I  | netto | L   | I    | netto |
| 3,0-3,3   | 62  | 20 | 23 €  | 66  | 28 | 30 €  | 70  | 32   | 63 €  |
| 3,4-3,7   | 62  | 20 | 23 €  | 66  | 28 | 30 €  | 75  | 36,5 | 63 €  |
| 3,8-4,2   | 62  | 24 | 25 €  | 74  | 36 | 32 €  | 75  | 38,5 | 63 €  |
| 4,3-4,7   | 66  | 24 | 25 €  | 74  | 36 | 32 €  | 74  | 36   | 63 €  |
| 4,8-5,3   | 66  | 28 | 25 €  | 82  | 44 | 32 €  | 85  | 47   | 63 €  |
| 5,4-6,0   | 66  | 28 | 25 €  | 82  | 44 | 32 €  | 90  | 52   | 63 €  |
| 6,1-6,8   | 79  | 34 | 34 €  | 91  | 53 | 36 €  | 106 | 68   | 73 €  |
| 6,9-7,0   | 79  | 34 | 34 €  | 91  | 53 | 36 €  | 116 | 78   | 73 €  |
| 7,1-8,0   | 79  | 34 | 34 €  | 91  | 53 | 36 €  | 116 | 78   | 73 €  |
| 8,1-9,0   | 89  | 47 | 38 €  | 103 | 61 | 41 €  | 131 | 89   | 93 €  |
| 9,1-10,0  | 89  | 47 | 38 €  | 103 | 61 | 41 €  | 139 | 97   | 91 €  |
| 10,1-11,0 | 102 | 55 | 60 €  | 118 | 71 | 65 €  | 155 | 108  | 123 € |
| 11,1-12,0 | 102 | 55 | 60 €  | 118 | 71 | 65 €  | 163 | 116  | 123 € |
| 12,1-14,0 | 107 | 60 | 88 €  | 124 | 77 | 95 €  | 182 | 135  | 174 € |
| 14,1-16,0 | 115 | 65 | 106 € | 133 | 83 | 121 € | 204 | 154  | 216 € |

## MOMENTSLEUTEL CLE DYNAMOMETRIQUE

1

| Nm  | Torx plus (IP) |      |
|-----|----------------|------|
| 0,6 | 6 IP           | 27 € |
| 0,9 | 7 IP           | 27 € |
| 1,2 | 8 IP           | 27 € |
| 1,4 | 9 IP           | 27 € |
| 2   | 10 IP          | 27 € |
| 3   | 15 IP          | 27 € |
|     | 13,72          |      |

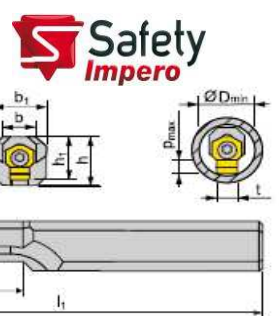


## SPIEBAANSTEKEN type 1 MORTAISSAGE type 1

2

| insert                |        |   |
|-----------------------|--------|---|
| HZ90 0604-30 H7 333TN | 21,5 € | → |
| HZ90 0604-40 H7 333TN | 21,5 € | → |
| HZ90 0604-50 H7 333TN | 21,5 € | → |
| HZ 1006-60 H7 333TN   | 28,1 € | → |
| HZ 1006-80 H7 333TN   | 28,1 € | → |
| HZ 1309-100 H7 333TN  | 33,1 € | → |
| HZ 1309-120 H7 333TN  | 33,1 € | → |

| tool          | Dmin |       |
|---------------|------|-------|
| PHZ90 1104-06 | 9,5  | 84 €  |
| PHZ90 1107-06 | 11   | 84 €  |
| PHZ90 1107-06 | 11   | 84 €  |
| PHZ 1512-10   | 18   | 95 €  |
| PHZ 1512-10   | 18   | 95 €  |
| PHZ 2014-13   | 24   | 114 € |
| PHZ 2014-13   | 25   | 114 € |



## VOLBOREN MECHES A PLAQUETTES

5

| insert  | TL4u | dia. | 3 x D |       | 2 x D |       |
|---------|------|------|-------|-------|-------|-------|
|         |      |      | L2    | netto | L2    | netto |
| WCMX 03 | 7 €  | 17,5 | 56    | 202 € |       |       |
| WCMX 03 | 7 €  | 18   | 57    | 202 € |       |       |
| WCMX 03 | 7 €  | 18,5 | 59    | 202 € |       |       |
| WCMX 03 | 7 €  | 19   | 60    | 202 € |       |       |
| WCMX 03 | 7 €  | 20   | 64    | 202 € |       |       |
|         |      |      |       |       | L2    | netto |
| WCMX 04 | 7 €  | 22   | 69    | 202 € | 48    | 176 € |
| WCMX 04 | 7 €  | 24   | 76    | 202 € | 52    | 176 € |
| WCMX 04 | 7 €  | 25   | 79    | 202 € | 54    | 176 € |
| WCMX 05 | 7 €  | 26   | 81    | 242 € | 56    | 210 € |
| WCMX 05 | 7 €  | 27   | 84    | 242 € | 58    | 210 € |
| WCMX 05 | 7 €  | 28   | 87    | 242 € | 60    | 210 € |
| WCMX 05 | 7 €  | 29   | 90    | 242 € | 62    | 210 € |
| WCMX 05 | 7 €  | 30   | 94    | 242 € | 64    | 210 € |
| WCMX 06 | 8 €  | 31   | 97    | 270 € | 66    | 235 € |
| WCMX 06 | 8 €  | 32   | 100   | 270 € | 68    | 235 € |
| WCMX 06 | 8 €  | 34   | 106   | 270 € | 73    | 235 € |
| WCMX 06 | 8 €  | 35   | 109   | 270 € | 75    | 235 € |
| WCMX 06 | 8 €  | 38   | 118   | 306 € | 80    | 235 € |
| WCMX 06 | 8 €  | 39   | 121   | 306 € | 82    | 235 € |
| WCMX 06 | 8 €  | 40   | 124   | 306 € | 84    | 235 € |
| WCMX 08 | 8 €  | 42   | 130   | 312 € | 89    | 283 € |
| WCMX 08 | 8 €  | 43   | 133   | 312 € | 91    | 283 € |
| WCMX 08 | 8 €  | 45   | 140   | 312 € | 95    | 283 € |
| WCMX 08 | 8 €  | 48   | 149   | 312 € | 101   | 283 € |
| WCMX 08 | 8 €  | 49   | 152   | 345 € | 103   | 328 € |
| WCMX 08 | 8 €  | 50   | 155   | 345 € | 105   | 328 € |
| WCMX 08 | 8 €  | 52   | 161   | 345 € | 110   | 328 € |
| WCMX 08 | 8 €  | 54   | 167   | 345 € | 114   | 328 € |
| WCMX 08 | 8 €  | 55   | 171   | 345 € | 116   | 328 € |



## APKT-PLATEN PLAQUETTES APKT



|                      |                 |
|----------------------|-----------------|
| 07APHT1604PDFRALKM15 | netto 8,8 € alu |
| 25APKT1604PDR7ACP200 | 6,0 €           |
| 25APKT1604PDR7ACP300 | 6,0 €           |

## SPIEBAANSTEKEN type 2 MORTAISSAGE type 2



|                   |       |             |       |
|-------------------|-------|-------------|-------|
| STZ 04-04 H7 222S | 42 €  | PST 1212-04 | 80 €  |
| STZ 05-05 H7 222S | 42 €  | PST 1212-05 | 80 €  |
| STZ 06-06 H7 222S | 55 €  | PST 1512-06 | 80 €  |
| STZ 08-08 H7 222S | 57 €  | PST 1914-08 | 86 €  |
| STZ 10-10 H7 222S | 66 €  | PST 2616-10 | 101 € |
| STZ 12-12 H7 222S | 77 €  | PST 3120-12 | 111 € |
| STZ 14-14 H7 222S | 93 €  | PST 3420-14 | 120 € |
| STZ 16-16 H7 222S | 116 € | PST 4025-16 | 153 € |
| STZ 18-18 H7 222S | 149 € | PST 4630-18 | 239 € |
| STZ 20-20 H7 222S | 188 € | PST 5435-20 | 291 € |