

## KC Kołnierz dociskowy

Talerz dociskowy z zatyczką do mocowania izolacji termicznej do drewna i blachy stalowej



### Aprobaty

- KOT-2017-0345



## Informacja o produkcie

### Cechy i korzyści

- Zalecany do montażu termoizolacji fasadowej w podłożu drewnianym z wkrętem UC oraz w podłożu z blachy stalowej z wkrętem WB.
- Ograniczenie mostków termicznych poprzez specjalną konstrukcję zatyczki zintegrowanej z łącznikiem.
- Stabilna i równomiernie rozłożona siła docisku
- Szybki, łatwy i czysty montaż produktu.
- Możliwość instalacji z dodatkowym talerzem KWL dostępnym w średnicach 90, 110, 140mm

### Aplikacje

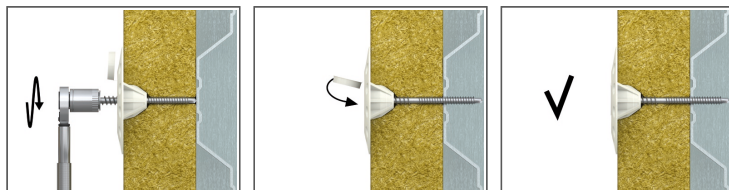
- Systemy ociepleń elewacji (ETICS)
- Płyty styropianowe
- Płyty z wełny mineralnej
- Płyty poliuretanowe

### Materiał podłoża

#### Certyfikowane do:

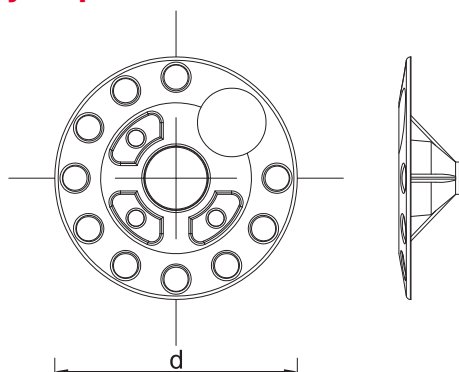
- Blacha stalowa
- Drewno

## Instrukcja montażu



1. Przyłożyć talerz kołka do powierzchni mocowanej termoizolacji.
2. Przez kołnierz dociskowy przymocować materiał termoizolacyjny odpowiednim wkrętem. Łącznik dokręcać aż do momentu osiągnięcia zalecanej głębokości zakotwienia.
3. Do podłoży z drewna rekomendowane jest zastosowanie talerza z wkrętem utwardzanym do drewna typu UC.
4. Do podłoży ze stali rekomendowane jest zastosowanie talerza z wkrętem samowiercącym do metalu typu WB lub WX.

## Informacja o produkcie



| Rozmiar                                             | Produkt       | Łącznik         |         |                  | Element mocowany |
|-----------------------------------------------------|---------------|-----------------|---------|------------------|------------------|
|                                                     |               | Średnica wkrętu | Długość | Średnica talerza | Max grubość      |
|                                                     |               | d               | L       | D                | t <sub>fix</sub> |
|                                                     |               | [mm]            |         |                  |                  |
| [Polish]: KC with screw to wood                     |               |                 |         |                  |                  |
| Ø5                                                  | KC + UC-5050  | 5               | 50      | 60               | 30               |
|                                                     | KC + UC-5060  | 5               | 60      | 60               | 40               |
|                                                     | KC + UC-5070  | 5               | 70      | 60               | 50               |
|                                                     | KC + UC-5080  | 5               | 80      | 60               | 60               |
|                                                     | KC + UC-5090  | 5               | 90      | 60               | 70               |
|                                                     | KC + UC-50100 | 5               | 100     | 60               | 80               |
| Ø6                                                  | KC + UC-60100 | 6               | 100     | 60               | 75               |
|                                                     | KC + UC-60120 | 6               | 120     | 60               | 95               |
|                                                     | KC + UC-60140 | 6               | 140     | 60               | 115              |
|                                                     | KC + UC-60160 | 6               | 160     | 60               | 135              |
|                                                     | KC + UC-60200 | 6               | 200     | 60               | 175              |
| [Polish]: KC with selfdrilling screw to steel sheet |               |                 |         |                  |                  |
| Ø5                                                  | KC + WB-48100 | 4.8             | 100     | 60               | 90               |
|                                                     | KC + WB-48120 | 4.8             | 120     | 60               | 110              |
|                                                     | KC + WB-48140 | 4.8             | 140     | 60               | 130              |
|                                                     | KC + WB-48160 | 4.8             | 160     | 60               | 150              |
|                                                     | KC + WB-48170 | 4.8             | 170     | 60               | 160              |
|                                                     | KC + WB-48180 | 4.8             | 180     | 60               | 170              |
|                                                     | KC + WB-48200 | 4.8             | 200     | 60               | 190              |
|                                                     | KC + WB-48220 | 4.8             | 220     | 60               | 210              |

## Zalecenia montażowe

| Podłoże                                |                  |      | Drewno konstrukcyjne |     | Stal |
|----------------------------------------|------------------|------|----------------------|-----|------|
| Minimalna głębokość osadzenia łącznika | h <sub>nom</sub> | [mm] | 20                   | 25  | 0.75 |
| Min. grubość podłoża                   | h <sub>min</sub> | [mm] | 20                   | 25  | 0.75 |
| Min. rozstaw                           | s <sub>min</sub> | [mm] | 100                  | 100 | 100  |
| Min. odległość od krawędzi             | c <sub>min</sub> | [mm] | 100                  | 100 | 100  |
| Średnica łącznika                      | d                | [mm] | 5                    | 6   | 4.8  |

## Dane uproszczone dla pojedynczego zakotwienia

Dane dla pojedynczego zamocowania bez wpływu krawędzi i łączników sąsiadujących

| Podłoże                                  |         | Drewno konstrukcyjne | Drewno konstrukcyjne | Stal |
|------------------------------------------|---------|----------------------|----------------------|------|
| Efektywna głębokość zakotwienia $h_{ef}$ | [mm]    | 20                   | 25                   | 0.75 |
| ŚREDNIE OBCIĄŻENIE NISZCZĄCE $N_{Rd,m}$  |         |                      |                      |      |
| KC + UC ø5                               | [kN]    | 0.78                 | -                    | -    |
| KC + UC ø6                               | [kN]    | -                    | 0.98                 | -    |
| KC + WB                                  | [kN]    | -                    | -                    | 0.86 |
| OBCIĄŻENIE CHARAKTERYSTYCZNE $N_{Rk}$    |         |                      |                      |      |
| KC + UC ø5                               | [kN]    | 0.73                 | -                    | -    |
| KC + UC ø6                               | [kN]    | -                    | 0.91                 | -    |
| KC + WB                                  | [kN]    | -                    | -                    | 0.81 |
| OBCIĄŻENIE OBLICZENIOWE $N_{Rd}$         |         |                      |                      |      |
| KC + UC ø5                               | [kN]    | 0.36                 | -                    | -    |
| KC + UC ø6                               | [kN]    | -                    | 0.45                 | -    |
| KC + WB                                  | [kN]    | -                    | -                    | 0.40 |
| OBCIĄŻENIE ZALECANE $N_{rec}$            |         |                      |                      |      |
| KC + UC ø5                               | [kN]    | 0.26                 | -                    | -    |
| KC + UC ø6                               | [kN]    | -                    | 0.32                 | -    |
| KC + WB                                  | [kN]    | -                    | -                    | 0.29 |
| Typ łącznika                             |         | KC                   |                      |      |
| Szywność talerza                         | [kN/mm] | 0.4                  |                      |      |

## Dane logistyczne

| Rozmiar | Produkt                     | Łącznik              |              |                       | Wkręt | Ilość [szt]            |                     |        | Waga [kg]              |                     |        | Kody ean      |
|---------|-----------------------------|----------------------|--------------|-----------------------|-------|------------------------|---------------------|--------|------------------------|---------------------|--------|---------------|
|         |                             | Średnica wkrętu [mm] | Długość [mm] | Średnica talerza [mm] |       | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta |               |
| Ø5      | KC + UC-5050 <sup>1)</sup>  | 5                    | 50           | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-5060 <sup>1)</sup>  | 5                    | 60           | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-5070 <sup>1)</sup>  | 5                    | 70           | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-5080 <sup>1)</sup>  | 5                    | 80           | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-5090 <sup>1)</sup>  | 5                    | 90           | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-50100 <sup>1)</sup> | 5                    | 100          | 60                    |       |                        |                     |        |                        |                     |        |               |
| Ø6      | KC + UC-60100 <sup>1)</sup> | 6                    | 100          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-60120 <sup>1)</sup> | 6                    | 120          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-60140 <sup>1)</sup> | 6                    | 140          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-60160 <sup>1)</sup> | 6                    | 160          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + UC-60200 <sup>1)</sup> | 6                    | 200          | 60                    |       |                        |                     |        |                        |                     |        |               |
| Ø5      | KC + WB-48100 <sup>1)</sup> | 4.8                  | 100          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + WB-48120 <sup>1)</sup> | 4.8                  | 120          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + WB-48140 <sup>1)</sup> | 4.8                  | 140          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + WB-48160 <sup>1)</sup> | 4.8                  | 160          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + WB-48170               | 4.8                  | 170          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + WB-48180 <sup>1)</sup> | 4.8                  | 180          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + WB-48200 <sup>1)</sup> | 4.8                  | 200          | 60                    |       |                        |                     |        |                        |                     |        |               |
|         | KC + WB-48220 <sup>1)</sup> | 4.8                  | 220          | 60                    |       |                        |                     |        |                        |                     |        |               |
| Ø2.5    | UC-2508                     |                      |              |                       | 8     | 1000                   | 24000               |        | 0.37                   | 8.9                 |        | 5906675312125 |
|         | UC-2510                     |                      |              |                       | 10    | 1000                   | 24000               | 768000 | 0.32                   | 7.7                 | 275.8  | 5906675312224 |
|         | UC-2513                     |                      |              |                       | 13    | 1000                   | 24000               | 768000 | 0.32                   | 7.7                 | 275.8  | 5906675312323 |
|         | UC-2516                     |                      |              |                       | 16    | 1000                   | 24000               | 768000 | 0.42                   | 10.1                | 352.6  | 5906675312422 |
| Ø3      | UC-3012                     |                      |              |                       | 12    | 1000                   | 32000               | 768000 | 0.46                   | 14.6                | 379.4  | 5906675310220 |
|         | UC-3016                     |                      |              |                       | 16    | 1000                   | 32000               | 768000 | 0.59                   | 19.0                | 485.4  | 5906675310428 |
|         | UC-3020                     |                      |              |                       | 20    | 1000                   | 32000               | 768000 | 0.67                   | 21.5                | 546.9  | 5906675310527 |

## Dane logistyczne

| Rozmiar | Produkt | Łącznik              |              |                       | Wkręt | Ilość [szt]            |                     |        | Waga [kg]              |                     |        | Kody ean      |
|---------|---------|----------------------|--------------|-----------------------|-------|------------------------|---------------------|--------|------------------------|---------------------|--------|---------------|
|         |         | Średnica wkrętu [mm] | Długość [mm] | Średnica talerza [mm] |       | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta |               |
| Ø3      | UC-3025 |                      |              |                       | 25    | 1000                   | 32000               | 768000 | 0.81                   | 26.0                | 653.6  | 5906675310626 |
|         | UC-3030 |                      |              |                       | 30    | 1000                   | 24000               | 576000 | 0.93                   | 22.3                | 564.0  | 5906675310725 |
|         | UC-3035 |                      |              |                       | 35    | 1000                   | 16000               | 384000 | 1.08                   | 17.3                | 445.1  | 5906675310824 |
|         | UC-3040 |                      |              |                       | 40    | 1000                   | 16000               | 384000 | 1.28                   | 20.4                | 520.0  | 5906675310923 |
| Ø3.5    | UC-3512 |                      |              |                       | 12    | 1000                   | 32000               | 768000 | 0.59                   | 18.9                | 483.1  | 5906675311128 |
|         | UC-3516 |                      |              |                       | 16    | 1000                   | 32000               | 768000 | 0.73                   | 23.3                | 588.3  | 5906675311227 |
|         | UC-3520 |                      |              |                       | 20    | 1000                   | 32000               | 768000 | 0.86                   | 27.7                | 693.6  | 5906675311425 |
|         | UC-3525 |                      |              |                       | 25    | 1000                   | 24000               | 576000 | 1.12                   | 26.9                | 675.1  | 5906675311524 |
|         | UC-3530 |                      |              |                       | 30    | 1000                   | 16000               | 384000 | 1.27                   | 20.2                | 515.8  | 5906675311623 |
|         | UC-3535 |                      |              |                       | 35    | 1000                   | 16000               | 384000 | 1.45                   | 23.2                | 587.6  | 5906675311722 |
|         | UC-3540 |                      |              |                       | 40    | 1000                   | 12000               | 288000 | 1.64                   | 19.6                | 501.2  | 5906675311821 |
|         | UC-3545 |                      |              |                       | 45    | 500                    | 8000                | 192000 | 0.94                   | 15.0                | 389.8  | 5906675311920 |
|         | UC-3550 |                      |              |                       | 50    | 500                    | 6000                | 144000 | 1.04                   | 12.5                | 330.7  | 5906675312026 |
|         | UC-4016 |                      |              |                       | 16    | 1000                   | 16000               | 384000 | 0.96                   | 15.3                | 397.5  | 5906675313221 |
|         | UC-4020 |                      |              |                       | 20    | 1000                   | 24000               | 576000 | 1.17                   | 28.0                | 701.0  | 5906675313429 |
|         | UC-4025 |                      |              |                       | 25    | 1000                   | 16000               | 384000 | 1.42                   | 22.7                | 575.3  | 5906675313528 |
| Ø4      | UC-4030 |                      |              |                       | 30    | 500                    | 8000                | 192000 | 0.83                   | 13.2                | 347.2  | 5906675313627 |
|         | UC-4035 |                      |              |                       | 35    | 500                    | 12000               | 288000 | 0.93                   | 22.4                | 567.4  | 5906675313726 |
|         | UC-4040 |                      |              |                       | 40    | 500                    | 8000                | 192000 | 1.06                   | 17.0                | 438.6  | 5906675313825 |
|         | UC-4045 |                      |              |                       | 45    | 500                    | 8000                | 192000 | 1.18                   | 18.8                | 482.0  | 5906675313924 |
|         | UC-4050 |                      |              |                       | 50    | 500                    | 6000                | 144000 | 1.31                   | 15.8                | 408.4  | 5906675314020 |
|         | UC-4060 |                      |              |                       | 60    | 500                    | 6000                | 144000 | 1.50                   | 18.0                | 462.6  | 5906675314129 |
|         | UC-4070 |                      |              |                       | 70    | 250                    | 3000                | 72000  | 0.91                   | 10.9                | 290.9  | 5906675314228 |
|         | UC-4520 |                      |              |                       | 20    | 500                    | 9000                | 216000 | 0.82                   | 14.8                | 385.6  | 5906675315126 |
| Ø4.5    | UC-4525 |                      |              |                       | 25    | 500                    | 9000                | 216000 | 0.99                   | 17.8                | 457.3  | 5906675315225 |
|         | UC-4530 |                      |              |                       | 30    | 500                    | 12000               | 288000 | 1.04                   | 24.9                | 627.9  | 5906675315324 |
|         | UC-4535 |                      |              |                       | 35    | 500                    | 8000                | 192000 | 1.25                   | 19.9                | 508.1  | 5906675315423 |
|         | UC-4540 |                      |              |                       | 40    | 500                    | 8000                | 192000 | 1.48                   | 23.6                | 596.8  | 5906675315522 |
|         | UC-4545 |                      |              |                       | 45    | 250                    | 6000                | 144000 | 0.75                   | 18.1                | 464.3  | 5906675315621 |
|         | UC-4550 |                      |              |                       | 50    | 250                    | 4000                | 96000  | 0.87                   | 14.0                | 365.6  | 5906675315720 |
|         | UC-4560 |                      |              |                       | 60    | 250                    | 4000                | 96000  | 1.00                   | 16.0                | 413.6  | 5906675315829 |
|         | UC-4570 |                      |              |                       | 70    | 250                    | 3000                | 72000  | 1.20                   | 14.4                | 375.6  | 5906675315928 |
| Ø5      | UC-5020 |                      |              |                       | 20    | 500                    | 16000               | 384000 | 1.02                   | 32.6                | 813.4  | 5906675316123 |
|         | UC-5025 |                      |              |                       | 25    | 500                    | 12000               | 288000 | 1.11                   | 26.7                | 669.9  | 5906675316222 |
|         | UC-5030 |                      |              |                       | 30    | 500                    | 8000                | 192000 | 1.33                   | 21.3                | 542.3  | 5906675316321 |
|         | UC-5035 |                      |              |                       | 35    | 500                    | 8000                | 192000 | 1.52                   | 24.3                | 612.1  | 5906675316420 |
|         | UC-5040 |                      |              |                       | 40    | 250                    | 4000                | 96000  | 0.84                   | 13.5                | 353.7  | 5906675316529 |
|         | UC-5045 |                      |              |                       | 45    | 250                    | 6000                | 144000 | 0.97                   | 23.4                | 590.4  | 5906675316628 |
|         | UC-5050 |                      |              |                       | 50    | 200                    | 3200                | 76800  | 0.89                   | 14.2                | 369.8  | 5906675316727 |
|         | UC-5060 |                      |              |                       | 60    | 200                    | 2400                | 57600  | 1.03                   | 12.3                | 325.2  | 5906675316826 |
|         | UC-5070 |                      |              |                       | 70    | 200                    | 2400                | 57600  | 1.17                   | 14.1                | 367.2  | 5906675316925 |
|         | UC-5080 |                      |              |                       | 80    | 100                    | 1600                | 38400  | 0.67                   | 10.7                | 286.5  | 5906675317021 |
|         | UC-5090 |                      |              |                       | 90    | 100                    | 2400                | 57600  | 0.71                   | 17.0                | 437.8  | 5906675317120 |
|         | UC-5100 |                      |              |                       | 100   | 100                    | 1600                | 38400  | 0.84                   | 13.5                | 353.7  | 5906675317229 |
| Ø6      | UC-6030 |                      |              |                       | 30    | 200                    | 6400                | 153600 | 0.82                   | 26.4                | 662.8  | 5906675318127 |
|         | UC-6040 |                      |              |                       | 40    | 200                    | 4800                | 115200 | 1.06                   | 25.5                | 642.9  | 5906675318325 |
|         | UC-6045 |                      |              |                       | 45    | 200                    | 3600                | 86400  | 1.16                   | 20.9                | 531.1  | 5906675318424 |
|         | UC-6050 |                      |              |                       | 50    | 200                    | 3200                | 76800  | 1.28                   | 20.5                | 522.7  | 5906675318523 |
|         | UC-6060 |                      |              |                       | 60    | 200                    | 2400                | 57600  | 1.50                   | 18.0                | 462.3  | 5906675318622 |
|         | UC-6070 |                      |              |                       | 70    | 100                    | 2400                | 57600  | 0.86                   | 20.7                | 527.1  | 5906675318721 |
|         | UC-6080 |                      |              |                       | 80    | 100                    | 2400                | 57600  | 0.98                   | 23.5                | 594.5  | 5906675318820 |
|         | UC-6090 |                      |              |                       | 90    | 100                    | 1200                | 28800  | 1.08                   | 13.0                | 341.0  | 5906675318929 |
|         | UC-6100 |                      |              |                       | 100   | 100                    | 1200                | 28800  | 1.20                   | 14.4                | 375.6  | 5906675319025 |

## Dane logistyczne

| Rozmiar | Produkt  | Łącznik              |              |                       | Wkręt | Ilość [szt]            |                     |        | Waga [kg]              |                     |        | Kody ean      |
|---------|----------|----------------------|--------------|-----------------------|-------|------------------------|---------------------|--------|------------------------|---------------------|--------|---------------|
|         |          | Średnica wkrętu [mm] | Długość [mm] | Średnica talerza [mm] |       | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta |               |
| Ø6      | UC-6110  |                      |              |                       | 110   | 100                    | 1200                | 28800  | 1.31                   | 15.8                | 408.1  | 5906675319124 |
|         | UC-6120  |                      |              |                       | 120   | 100                    | 1200                | 28800  | 1.42                   | 17.1                | 439.2  | 5906675319223 |
|         | UC-6140  |                      |              |                       | 140   | 100                    | 1200                | 28800  | 1.64                   | 19.7                | 502.0  | 5906675319421 |
|         | UC-6160  |                      |              |                       | 160   | 100                    | 1200                | 28800  | 1.87                   | 22.4                | 567.4  | 5906675319520 |
|         | UC-6200  |                      |              |                       | 200   | 100                    | 800                 | 19200  | 2.3                    | 18.4                | 472.2  | 5906675319629 |
| Ø3      | UCK-3012 |                      |              |                       | 12    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 770.2  | 5906675166261 |
| Ø3.5    | UCK-3545 |                      |              |                       | 45    | 10                     | 10                  | 360    | 10.4                   | 10.4                | 405.8  | 5906675166520 |
| Ø4.5    | UCK-4525 |                      |              |                       | 25    | 10                     | 10                  | 480    | 10.1                   | 10.1                | 515.9  | 5906675166780 |
| Ø5      | UCK-5020 |                      |              |                       | 20    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 525.0  | 5906675167541 |
| Ø6      | UCK-6030 |                      |              |                       | 30    | 10                     | 10                  | 720    | 10.1                   | 10.1                | 756.1  | 5906675288376 |
|         | UCK-6110 |                      |              |                       | 110   | 10                     | 10                  | 720    | 10.4                   | 10.4                | 775.6  | 5906675291895 |
| Ø4      | UC-4080  |                      |              |                       | 80    | 100                    | 3200                | 76800  | 1.16                   | 37.1                | 920.9  | 5906675314426 |
| Ø4.5    | UC-4580  |                      |              |                       | 80    | 100                    | 3200                | 76800  | 0.55                   | 17.5                | 449.3  | 5906675315027 |
| Ø5      | UC-5120  |                      |              |                       | 120   | 100                    | 2400                | 57600  | 0.92                   | 22.1                | 559.9  | 5906675317328 |
| Ø6      | UC-6130  |                      |              |                       | 130   | 100                    | 1200                | 28800  | 1.53                   | 18.3                | 470.1  | 5906675319322 |
|         | UC-6150  |                      |              |                       | 150   | 100                    | 1200                | 28800  | 1.73                   | 20.8                | 528.2  | 5906675319827 |
|         | UC-6180  |                      |              |                       | 180   | 100                    | 800                 | 19200  | 2.1                    | 16.8                | 433.2  | 5906675319728 |
| Ø3      | UCK-3016 |                      |              |                       | 16    | 10                     | 10                  | 360    | 10.3                   | 10.3                | 400.7  | 5906675166285 |
|         | UCK-3020 |                      |              |                       | 20    | 10                     | 10                  | 480    | 10.0                   | 10.0                | 510.0  | 5906675166308 |
|         | UCK-3030 |                      |              |                       | 30    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 772.2  | 5906675166346 |
|         | UCK-3040 |                      |              |                       | 40    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 774.6  | 5906675166384 |
| Ø3.5    | UCK-3516 |                      |              |                       | 16    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 524.0  | 5906675166407 |
|         | UCK-3520 |                      |              |                       | 20    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 523.4  | 5906675166421 |
|         | UCK-3530 |                      |              |                       | 30    | 10                     | 10                  | 600    | 10.3                   | 10.3                | 648.6  | 5906675166469 |
|         | UCK-3535 |                      |              |                       | 35    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 526.2  | 5906675166483 |
|         | UCK-3540 |                      |              |                       | 40    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 773.1  | 5906675166506 |
|         | UCK-3550 |                      |              |                       | 50    | 10                     | 10                  | 360    | 10.4                   | 10.4                | 404.2  | 5906675166544 |
| Ø4      | UCK-4016 |                      |              |                       | 16    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 525.0  | 5906675166568 |
|         | UCK-4020 |                      |              |                       | 20    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 772.2  | 5906675166582 |
|         | UCK-4035 |                      |              |                       | 35    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 771.8  | 5906675166643 |
|         | UCK-4040 |                      |              |                       | 40    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 525.4  | 5906675166667 |
|         | UCK-4045 |                      |              |                       | 45    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 772.3  | 5906675166681 |
|         | UCK-4050 |                      |              |                       | 50    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 772.9  | 5906675166704 |
|         | UCK-4060 |                      |              |                       | 60    | 10                     | 10                  | 720    | 10.4                   | 10.4                | 776.6  | 5906675166728 |
|         | UCK-4070 |                      |              |                       | 70    | 10                     | 10                  | 360    | 10.3                   | 10.3                | 401.6  | 5906675166742 |
| Ø4.5    | UCK-4520 |                      |              |                       | 20    | 10                     | 10                  | 360    | 10.2                   | 10.2                | 395.8  | 5906675166766 |
|         | UCK-4530 |                      |              |                       | 30    | 10                     | 10                  | 720    | 11.4                   | 11.4                | 849.6  | 5906675166803 |
|         | UCK-4535 |                      |              |                       | 35    | 10                     | 10                  | 720    | 10.4                   | 10.4                | 777.0  | 5906675020778 |
|         | UCK-4540 |                      |              |                       | 40    | 10                     | 10                  | 720    | 10.4                   | 10.4                | 778.6  | 5906675166827 |
|         | UCK-4545 |                      |              |                       | 45    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 772.2  | 5906675166841 |
|         | UCK-4550 |                      |              |                       | 50    | 10                     | 10                  | 480    | 10.4                   | 10.4                | 531.0  | 5906675166865 |
|         | UCK-4560 |                      |              |                       | 60    | 10                     | 10                  | 360    | 10.4                   | 10.4                | 402.6  | 5906675166889 |
|         | UCK-4570 |                      |              |                       | 70    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 774.8  | 5906675166902 |
|         | UCK-4580 |                      |              |                       | 80    | 10                     | 10                  | 720    | 10.4                   | 10.4                | 777.6  | 5906675014753 |
| Ø5      | UCK-5025 |                      |              |                       | 25    | 10                     | 10                  | 440    | 10.4                   | 10.4                | 485.9  | 5906675167565 |
|         | UCK-5030 |                      |              |                       | 30    | 10                     | 10                  | 600    | 10.3                   | 10.3                | 647.1  | 5906675167589 |
|         | UCK-5035 |                      |              |                       | 35    | 10                     | 10                  | 480    | 10.4                   | 10.4                | 527.5  | 5906675167602 |
|         | UCK-5040 |                      |              |                       | 40    | 10                     | 10                  | 480    | 10.4                   | 10.4                | 528.1  | 5906675167626 |
|         | UCK-5045 |                      |              |                       | 45    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 524.7  | 5906675167640 |
|         | UCK-5050 |                      |              |                       | 50    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 525.1  | 5906675167664 |
|         | UCK-5060 |                      |              |                       | 60    | 10                     | 10                  | 480    | 10.4                   | 10.4                | 528.7  | 5906675167688 |
|         | UCK-5070 |                      |              |                       | 70    | 10                     | 10                  | 360    | 10.4                   | 10.4                | 403.0  | 5906675167701 |
|         | UCK-5080 |                      |              |                       | 80    | 10                     | 10                  | 360    | 10.4                   | 10.4                | 403.0  | 5906675167725 |

## Dane logistyczne

| Rozmiar | Produkt     | Łącznik              |              |                       | Wkręt | Ilość [szt]            |                     |        | Waga [kg]              |                     |        | Kody ean      |
|---------|-------------|----------------------|--------------|-----------------------|-------|------------------------|---------------------|--------|------------------------|---------------------|--------|---------------|
|         |             | Średnica wkrętu [mm] | Długość [mm] | Średnica talerza [mm] |       | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta |               |
| Ø5      | UCK-5090    |                      |              |                       | 90    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 772.6  | 5906675015972 |
|         | UCK-5100    |                      |              |                       | 100   | 10                     | 10                  | 360    | 10.4                   | 10.4                | 402.9  | 5906675167749 |
| Ø6      | UCK-6040    |                      |              |                       | 40    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 524.2  | 5906675167763 |
|         | UCK-6050    |                      |              |                       | 50    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 771.4  | 5906675375366 |
|         | UCK-6060    |                      |              |                       | 60    | 10                     | 10                  | 480    | 10.3                   | 10.3                | 525.2  | 5906675167800 |
|         | UCK-6070    |                      |              |                       | 70    | 10                     | 10                  | 480    | 10.4                   | 10.4                | 527.8  | 5906675167824 |
|         | UCK-6080    |                      |              |                       | 80    | 10                     | 10                  | 360    | 10.4                   | 10.4                | 403.6  | 5906675167848 |
|         | UCK-6100    |                      |              |                       | 100   | 10                     | 10                  | 360    | 10.4                   | 10.4                | 403.8  | 5906675167886 |
|         | UCK-6120    |                      |              |                       | 120   | 10                     | 10                  | 360    | 10.4                   | 10.4                | 402.9  | 5906675167909 |
|         | UCK-6130    |                      |              |                       | 130   | 10                     | 10                  | 720    | 10.4                   | 10.4                | 775.0  | 5906675375373 |
|         | UCK-6140    |                      |              |                       | 140   | 10                     | 10                  | 600    | 10.4                   | 10.4                | 656.1  | 5906675001906 |
|         | UCK-6160    |                      |              |                       | 160   | 10                     | 10                  | 360    | 10.4                   | 10.4                | 403.2  | 5906675264066 |
| Ø3      | UCK-3025    |                      |              |                       | 25    | 10                     | 10                  | 480    | 10.4                   | 10.4                | 527.5  | 5906675166322 |
|         | UCK-3035    |                      |              |                       | 35    | 10                     | 10                  | 720    | 10.4                   | 10.4                | 775.6  | 5906675166360 |
| Ø3.5    | UCK-3525    |                      |              |                       | 25    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 769.9  | 5906675166445 |
| Ø4      | UCK-4025    |                      |              |                       | 25    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 771.2  | 5906675166605 |
|         | UCK-4030    |                      |              |                       | 30    | 10                     | 10                  | 720    | 10.3                   | 10.3                | 772.5  | 5906675166629 |
| Ø6      | UCK-6090    |                      |              |                       | 90    | 10                     | 10                  | 480    | 10.4                   | 10.4                | 526.7  | 5906675167862 |
| Ø4.8    | WX-48050    |                      |              |                       | 50    | 250                    | 3000                | 72000  | 1.20                   | 14.4                | 375.7  | 5906675221229 |
|         | WX-48060    |                      |              |                       | 60    | 250                    | 3000                | 72000  | 1.43                   | 17.2                | 443.1  | 5906675221328 |
|         | WX-48070    |                      |              |                       | 70    | 250                    | 3000                | 72000  | 1.73                   | 20.7                | 527.0  | 5906675221427 |
|         | WX-48080    |                      |              |                       | 80    | 250                    | 3000                | 72000  | 1.85                   | 22.2                | 562.6  | 5906675221526 |
|         | WX-48100    |                      |              |                       | 100   | 200                    | 2400                | 57600  | 1.88                   | 22.6                | 572.3  | 5906675221625 |
|         | WX-48120    |                      |              |                       | 120   | 200                    | 2400                | 57600  | 2.3                    | 27.4                | 686.5  | 5906675221724 |
|         | WX-48140    |                      |              |                       | 140   | 200                    | 2400                | 57600  | 2.7                    | 31.8                | 793.7  | 5906675221823 |
|         | WX-48160    |                      |              |                       | 160   | 100                    | 1200                | 28800  | 2.9                    | 34.8                | 865.2  | 5906675221922 |
|         | WX-48180    |                      |              |                       | 180   | 100                    | 800                 | 19200  | 1.75                   | 14.0                | 366.8  | 5906675222028 |
|         | WX-48200    |                      |              |                       | 200   | 100                    | 800                 | 19200  | 3.2                    | 25.9                | 652.1  | 5906675223124 |
|         | WX-48240    |                      |              |                       | 240   | 100                    | 500                 | 16800  | 2.8                    | 13.8                | 493.7  | 5906675490328 |
|         | WX-48300    |                      |              |                       | 300   | 100                    | 500                 | 16800  | 2.8                    | 14.1                | 502.4  | 5906675223223 |
|         | WO-48060    |                      |              |                       | 60    | 250                    | 4000                | 96000  | 1.35                   | 21.6                | 548.4  | 5906675222127 |
|         | WO-48080    |                      |              |                       | 80    | 250                    | 3000                | 72000  | 1.63                   | 19.5                | 498.0  | 5906675222226 |
|         | WO-48100    |                      |              |                       | 100   | 200                    | 2400                | 57600  | 1.86                   | 22.3                | 564.8  | 5906675222325 |
|         | WO-48120    |                      |              |                       | 120   | 200                    | 3200                | 76800  | 2.0                    | 32.0                | 798.0  | 5906675222424 |
|         | WO-48140    |                      |              |                       | 140   | 200                    | 2400                | 57600  | 2.7                    | 31.8                | 793.2  | 5906675222523 |
|         | WO-48160    |                      |              |                       | 160   | 100                    | 1200                | 28800  | 1.50                   | 18.0                | 461.5  | 5906675222622 |
|         | WO-48180    |                      |              |                       | 180   | 100                    | 100                 | 16800  | 1.67                   | 1.67                | 310.7  | 5906675222721 |
|         | WO-48200    |                      |              |                       | 200   | 100                    | 100                 | 16800  | 2.0                    | 2.0                 | 365.0  | 5906675222820 |
|         | WO-48240    |                      |              |                       | 240   | 100                    | 500                 | 28800  | 2.2                    | 10.9                | 657.7  | 5906675221021 |
|         | WO-48300    |                      |              |                       | 300   | 100                    | 500                 | 15000  | 2.7                    | 13.5                | 435.0  | 5906675222929 |
| Ø6.1    | R-WBT-61050 |                      |              |                       | 50    | 100                    | 3200                | 76800  | 0.79                   | 25.2                | 634.4  | 5906675101200 |
|         | R-WBT-61075 |                      |              |                       | 75    | 100                    | 1600                | 38400  | 1.11                   | 17.7                | 454.3  | 5906675101231 |
|         | R-WBT-61090 |                      |              |                       | 90    | 100                    | 1600                | 38400  | 1.34                   | 21.4                | 543.8  | 5906675101309 |
|         | R-WBT-61100 |                      |              |                       | 100   | 100                    | 1600                | 38400  | 1.49                   | 23.9                | 602.5  | 5906675101408 |
|         | R-WBT-61120 |                      |              |                       | 120   | 100                    | 1200                | 28800  | 1.77                   | 21.3                | 540.9  | 5906675101439 |
|         | R-WBT-61140 |                      |              |                       | 140   | 100                    | 1200                | 28800  | 2.0                    | 24.5                | 618.7  | 5906675101460 |
|         | R-WBT-61160 |                      |              |                       | 160   | 100                    | 1200                | 28800  | 2.3                    | 28.1                | 704.2  | 5906675101514 |
|         | R-WBT-61180 |                      |              |                       | 180   | 100                    | 100                 | 16800  | 2.7                    | 2.7                 | 477.9  | 5906675225173 |
|         | R-WBT-61200 |                      |              |                       | 200   | 100                    | 100                 | 16800  | 2.9                    | 2.9                 | 518.5  | 5906675101927 |
|         | R-WBT-61220 |                      |              |                       | 220   | 100                    | 100                 | 16800  | 3.2                    | 3.2                 | 568.4  | 5906675102214 |
|         | R-WBT-61240 |                      |              |                       | 240   | 100                    | 100                 | 16800  | 3.5                    | 3.5                 | 620.7  | 5906675102245 |
|         | R-WBT-61260 |                      |              |                       | 260   | 100                    | 100                 | 16800  | 3.8                    | 3.8                 | 661.7  | 5906675102269 |
|         | R-WBT-61300 |                      |              |                       | 300   | 100                    | 100                 | 7800   | 4.3                    | 4.3                 | 367.0  | 5906675102290 |

## Dane logistyczne

| Rozmiar | Produkt      | Łącznik              |              |                       | Wkręt        | Ilość [szt]            |                     |        | Waga [kg]              |                     |        | Kody ean      |
|---------|--------------|----------------------|--------------|-----------------------|--------------|------------------------|---------------------|--------|------------------------|---------------------|--------|---------------|
|         |              | Średnica wkrętu [mm] | Długość [mm] | Średnica talerza [mm] | Długość [mm] | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta | Opakowanie jednostkowe | Opakowanie zbiorcze | Paleta |               |
| Ø6.1    | WBT-61120-ZN |                      |              |                       | 100          | 100                    | 1200                | 28800  | 1.76                   | 21.2                | 538.1  | 5906675116952 |

1) KOT-2017-0345