

## Trzpień montażowy

Trzpień ze stali nierdzewnej, z blokadą osiową (płetwy)

### SPECYFIKACJA

Gałka/przycisk/popychacz

- Tworzywo
- Odporność na temperaturę do 80°C
- Gałka: kolor szaro-czarny
- Przycisk: kolor czerwony

Trzpień

Stal nierdzewna AISI 303

Płetwy

Blacha ze stali nierdzewnej AISI 304

Sprężyna

Stal nierdzewna AISI 301



### INFORMACJE

Trzpień montażowy GN 114.3 stosuje się do szybkiego ustalania lub łączenia przedmiotów obrabianych. Typowe zastosowanie to takie w którym trzpień jest często mocowany i demontowany.

Trzpień montażowy z płetwami są ekonomiczną wersją trzpieni z blokadą kulkową, która umożliwia przenoszenie większych obciążeń osiowych. Prostokątny kształt płetw ze stali nierdzewnej zwiększa powierzchnię kontaktową blokady osiowej, co jest istotne przy większych tolerancjach otworu, w którym się blokują.

W tabeli podano wartości obciążenia dla podwójnej siły ścinającej (obciążenia niszczące).

- Gama trzpieni montażowych (patrz strona 868)

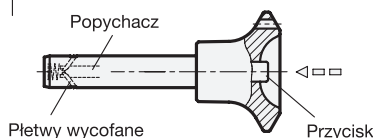
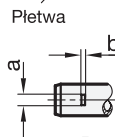
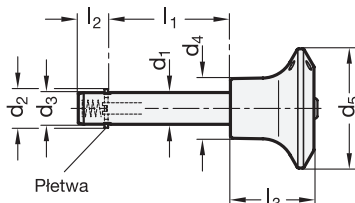
### AKCESORIA

- Łańcuchy kulkowe GN 111 (patrz strona 904) / Łańcuchy kulkowe GN 111.5 (patrz strona 905)
- Linki zabezpieczające GN 111.2 (patrz strona 906)
- Linki zabezpieczające spiralne GN 111.4 (patrz strona 908)

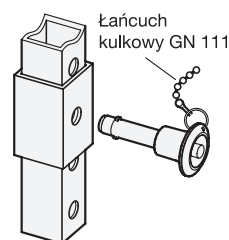
### DANE TECHNICZNE

- ISO Tolerancje podstawowe (patrz strona A21)
- Właściwości stali nierdzewnej (patrz strona A26)

Otwór pod  
łańcuch kulkowy



Przykład montażu



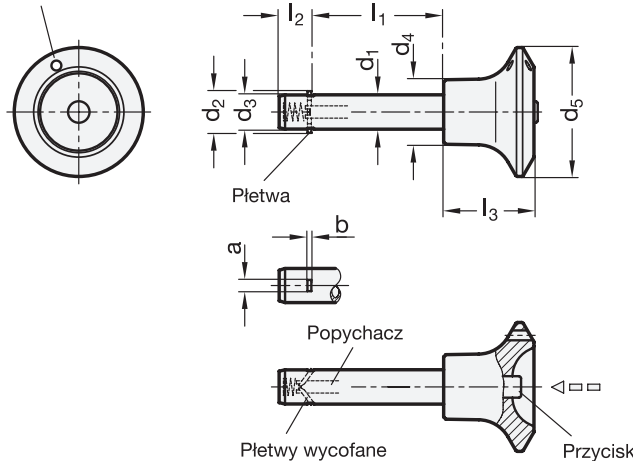
GN 114.3

STAINLESS STEEL

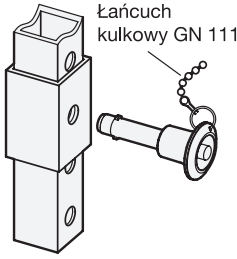
| Oznaczenie      | d1 -0.1 | l1 +0.4 | a   | b   | d2       | d3   | d4 | d5 | l2   | l3 | Obciążenie w kN ≈<br>(Podwójna<br>siła ścinająca)<br>patrz informacje |  |
|-----------------|---------|---------|-----|-----|----------|------|----|----|------|----|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| GN 114.3-6-10   | 6       | 10      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 12                                                                                  |
| GN 114.3-6-12   | 6       | 12      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 12                                                                                  |
| GN 114.3-6-16   | 6       | 16      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 13                                                                                  |
| GN 114.3-6-20   | 6       | 20      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 13                                                                                  |
| GN 114.3-6-25   | 6       | 25      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 14                                                                                  |
| GN 114.3-6-30   | 6       | 30      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 14                                                                                  |
| GN 114.3-6-35   | 6       | 35      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 16                                                                                  |
| GN 114.3-6-40   | 6       | 40      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 16                                                                                  |
| GN 114.3-6-45   | 6       | 45      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 17                                                                                  |
| GN 114.3-6-50   | 6       | 50      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 18                                                                                  |
| GN 114.3-6-60   | 6       | 60      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 19                                                                                  |
| GN 114.3-6-70   | 6       | 70      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 21                                                                                  |
| GN 114.3-6-80   | 6       | 80      | 2.3 | 0.5 | 7.3 +0.5 | 5.9  | 15 | 30 | 7    | 21 | 17                                                                    | 25                                                                                  |
| GN 114.3-8-10   | 8       | 10      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 27                                                                                  |
| GN 114.3-8-16   | 8       | 16      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 16                                                                                  |
| GN 114.3-8-20   | 8       | 20      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 18                                                                                  |
| GN 114.3-8-25   | 8       | 25      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 19                                                                                  |
| GN 114.3-8-30   | 8       | 30      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 20                                                                                  |
| GN 114.3-8-35   | 8       | 35      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 20                                                                                  |
| GN 114.3-8-40   | 8       | 40      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 24                                                                                  |
| GN 114.3-8-45   | 8       | 45      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 26                                                                                  |
| GN 114.3-8-50   | 8       | 50      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 27                                                                                  |
| GN 114.3-8-60   | 8       | 60      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 43                                                                                  |
| GN 114.3-8-70   | 8       | 70      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 44                                                                                  |
| GN 114.3-8-80   | 8       | 80      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 48                                                                                  |
| GN 114.3-8-90   | 8       | 90      | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 52                                                                                  |
| GN 114.3-8-100  | 8       | 100     | 2.8 | 0.6 | 9.8 +0.5 | 7.9  | 15 | 30 | 8.4  | 21 | 35                                                                    | 53                                                                                  |
| GN 114.3-10-15  | 10      | 15      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 26                                                                                  |
| GN 114.3-10-20  | 10      | 20      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 27                                                                                  |
| GN 114.3-10-25  | 10      | 25      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 29                                                                                  |
| GN 114.3-10-30  | 10      | 30      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 31                                                                                  |
| GN 114.3-10-35  | 10      | 35      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 35                                                                                  |
| GN 114.3-10-40  | 10      | 40      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 36                                                                                  |
| GN 114.3-10-45  | 10      | 45      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 39                                                                                  |
| GN 114.3-10-50  | 10      | 50      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 41                                                                                  |
| GN 114.3-10-60  | 10      | 60      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 45                                                                                  |
| GN 114.3-10-70  | 10      | 70      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 48                                                                                  |
| GN 114.3-10-80  | 10      | 80      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 52                                                                                  |
| GN 114.3-10-90  | 10      | 90      | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 59                                                                                  |
| GN 114.3-10-100 | 10      | 100     | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 62                                                                                  |
| GN 114.3-10-110 | 10      | 110     | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 66                                                                                  |
| GN 114.3-10-120 | 10      | 120     | 3.3 | 1   | 11.7 +1  | 9.9  | 18 | 34 | 9.8  | 26 | 47                                                                    | 72                                                                                  |
| GN 114.3-12-20  | 12      | 20      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 33                                                                                  |
| GN 114.3-12-25  | 12      | 25      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 38                                                                                  |
| GN 114.3-12-30  | 12      | 30      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 42                                                                                  |
| GN 114.3-12-35  | 12      | 35      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 45                                                                                  |
| GN 114.3-12-40  | 12      | 40      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 49                                                                                  |
| GN 114.3-12-45  | 12      | 45      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 53                                                                                  |
| GN 114.3-12-50  | 12      | 50      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 57                                                                                  |
| GN 114.3-12-60  | 12      | 60      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 63                                                                                  |
| GN 114.3-12-70  | 12      | 70      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 69                                                                                  |
| GN 114.3-12-80  | 12      | 80      | 3.8 | 1   | 13.7 +1  | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 80                                                                                  |



Otwór pod  
łańcuch kulkowy



Przykład montażu



GN 114.3

STAINLESS STEEL

| Oznaczenie      | d1 -0.1 | l1 +0.4 | a   | b   | d2      | d3   | d4 | d5 | l2   | l3 | Obciążenie w kN ≈<br>(Podwójna<br>siła ścinająca)<br>patrz informacje |     |
|-----------------|---------|---------|-----|-----|---------|------|----|----|------|----|-----------------------------------------------------------------------|-----|
| GN 114.3-12-90  | 12      | 90      | 3.8 | 1   | 13.7 +1 | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 86  |
| GN 114.3-12-100 | 12      | 100     | 3.8 | 1   | 13.7 +1 | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 95  |
| GN 114.3-12-110 | 12      | 110     | 3.8 | 1   | 13.7 +1 | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 99  |
| GN 114.3-12-120 | 12      | 120     | 3.8 | 1   | 13.7 +1 | 11.9 | 18 | 34 | 11.3 | 26 | 75                                                                    | 108 |
| GN 114.3-16-30  | 16      | 30      | 3.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 70  |
| GN 114.3-16-35  | 16      | 35      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 85  |
| GN 114.3-16-40  | 16      | 40      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 92  |
| GN 114.3-16-45  | 16      | 45      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 99  |
| GN 114.3-16-50  | 16      | 50      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 106 |
| GN 114.3-16-60  | 16      | 60      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 119 |
| GN 114.3-16-70  | 16      | 70      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 132 |
| GN 114.3-16-80  | 16      | 80      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 145 |
| GN 114.3-16-90  | 16      | 90      | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 159 |
| GN 114.3-16-100 | 16      | 100     | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 172 |
| GN 114.3-16-110 | 16      | 110     | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 186 |
| GN 114.3-16-120 | 16      | 120     | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 198 |
| GN 114.3-16-130 | 16      | 130     | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 211 |
| GN 114.3-16-140 | 16      | 140     | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 225 |
| GN 114.3-16-150 | 16      | 150     | 4.8 | 1.2 | 18.7 +1 | 15.9 | 22 | 40 | 14.2 | 32 | 138                                                                   | 239 |
| GN 114.3-20-30  | 20      | 30      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 117 |
| GN 114.3-20-35  | 20      | 35      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 128 |
| GN 114.3-20-40  | 20      | 40      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 139 |
| GN 114.3-20-45  | 20      | 45      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 151 |
| GN 114.3-20-50  | 20      | 50      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 162 |
| GN 114.3-20-60  | 20      | 60      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 185 |
| GN 114.3-20-70  | 20      | 70      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 206 |
| GN 114.3-20-80  | 20      | 80      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 229 |
| GN 114.3-20-90  | 20      | 90      | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 247 |
| GN 114.3-20-100 | 20      | 100     | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 267 |
| GN 114.3-20-110 | 20      | 110     | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 287 |
| GN 114.3-20-120 | 20      | 120     | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 307 |
| GN 114.3-20-130 | 20      | 130     | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 327 |
| GN 114.3-20-140 | 20      | 140     | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 347 |
| GN 114.3-20-150 | 20      | 150     | 4.8 | 1.2 | 22.7 +1 | 19.8 | 25 | 40 | 14.8 | 33 | 228                                                                   | 368 |