

## Pasadores de fijación con bola de acero inoxidable

con la empuñadura en L, material de pasador n.º AISI 630

### ESPECIFICACIÓN

Pasador

Dispositivo deslizante / pulsador de acero inoxidable AISI 303 endurecido por precipitación

Empuñadura en L

Plástico (Poliamida PA), negro

Resistentes a temperaturas de hasta 80 °C

Bolas

Acero inoxidable AISI 420C

Anillo de retención (muelle)

Acero inoxidable, material alemán n.º 14565

### INFORMACIÓN

Los pasadores de bloqueo de bolas de acero inoxidable GN 113.12 se usan para una rápida fijación, unión y bloqueo de varios componentes y piezas de trabajo. Una aplicación típica son los pasadores de posicionamiento, que han de quitarse y volverse a colocar con frecuencia.

Al presionar el pulsador con muelle, se liberan las dos bolas y al soltarlo vuelven a su posición inicial.

Los pasadores de bloqueo de bolas GN 113.12 tienen una capacidad de carga extrema, el pasador es de acero inoxidable reforzado, duro y muy resistente a la abrasión.

- Gama de pasadores (ver página 868)

### ACCESORIO

- Cadenas de bolas GN 111 (ver página 904)

- Cadenas de bolas de acero inoxidable GN 111.5 (ver página 905)

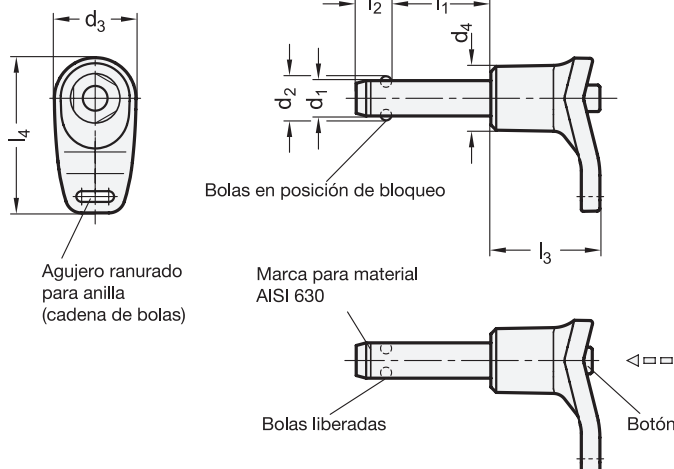
- Cables de sujeción GN 111.2 (ver página 906)

- Cables de sujeción en espiral GN 111.4 (ver página 908)

### DATOS TÉCNICOS

- Tolerancias fundamentales ISO (ver página A21)

- Características del acero inoxidable (ver página A26)



GN 113.12

STAINLESS STEEL

| Descripción      | d1 -0.04/-0.08 | l1 +0.6 | d2  | d3   | d4   | l2 ±1 | l3   | l4   | Agujero de colocación H11 | Capacidad de carga F en kN ≈ resistencia al corte en ambos lados según DIN 50141 (resistencia a la rotura) |  |
|------------------|----------------|---------|-----|------|------|-------|------|------|---------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| GN 113.12-5-10   | 5              | 10      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 14                                                                                  |
| GN 113.12-5-15   | 5              | 15      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 15                                                                                  |
| GN 113.12-5-20   | 5              | 20      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 17                                                                                  |
| GN 113.12-5-25   | 5              | 25      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 18                                                                                  |
| GN 113.12-5-30   | 5              | 30      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 20                                                                                  |
| GN 113.12-5-35   | 5              | 35      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 21                                                                                  |
| GN 113.12-5-40   | 5              | 40      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 23                                                                                  |
| GN 113.12-5-45   | 5              | 45      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 24                                                                                  |
| GN 113.12-5-50   | 5              | 50      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 25                                                                                  |
| GN 113.12-5-60   | 5              | 60      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 26                                                                                  |
| GN 113.12-5-70   | 5              | 70      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 27                                                                                  |
| GN 113.12-5-80   | 5              | 80      | 5.5 | 17.5 | 13.5 | 6     | 26.5 | 33   | 5                         | 24                                                                                                         | 28                                                                                  |
| GN 113.12-6-10   | 6              | 10      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 17                                                                                  |
| GN 113.12-6-15   | 6              | 15      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 18                                                                                  |
| GN 113.12-6-20   | 6              | 20      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 19                                                                                  |
| GN 113.12-6-25   | 6              | 25      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 20                                                                                  |
| GN 113.12-6-30   | 6              | 30      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 21                                                                                  |
| GN 113.12-6-35   | 6              | 35      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 22                                                                                  |
| GN 113.12-6-40   | 6              | 40      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 23                                                                                  |
| GN 113.12-6-45   | 6              | 45      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 24                                                                                  |
| GN 113.12-6-50   | 6              | 50      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 25                                                                                  |
| GN 113.12-6-60   | 6              | 60      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 26                                                                                  |
| GN 113.12-6-70   | 6              | 70      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 29                                                                                  |
| GN 113.12-6-80   | 6              | 80      | 7   | 17.5 | 13.5 | 7     | 26.5 | 33   | 6                         | 35                                                                                                         | 32                                                                                  |
| GN 113.12-8-10   | 8              | 10      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 38                                                                                  |
| GN 113.12-8-15   | 8              | 15      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 40                                                                                  |
| GN 113.12-8-20   | 8              | 20      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 41                                                                                  |
| GN 113.12-8-25   | 8              | 25      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 43                                                                                  |
| GN 113.12-8-30   | 8              | 30      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 45                                                                                  |
| GN 113.12-8-35   | 8              | 35      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 47                                                                                  |
| GN 113.12-8-40   | 8              | 40      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 49                                                                                  |
| GN 113.12-8-45   | 8              | 45      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 51                                                                                  |
| GN 113.12-8-50   | 8              | 50      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 53                                                                                  |
| GN 113.12-8-60   | 8              | 60      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 54                                                                                  |
| GN 113.12-8-70   | 8              | 70      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 61                                                                                  |
| GN 113.12-8-80   | 8              | 80      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 65                                                                                  |
| GN 113.12-8-90   | 8              | 90      | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 67                                                                                  |
| GN 113.12-8-100  | 8              | 100     | 9.5 | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 63                                                                                                         | 72                                                                                  |
| GN 113.12-10-15  | 10             | 15      | 12  | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 100                                                                                                        | 40                                                                                  |
| GN 113.12-10-20  | 10             | 20      | 12  | 23   | 18   | 8.2   | 34   | 43.5 | 8                         | 100                                                                                                        | 48                                                                                  |
| GN 113.12-10-25  | 10             | 25      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 51                                                                                  |
| GN 113.12-10-30  | 10             | 30      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 54                                                                                  |
| GN 113.12-10-35  | 10             | 35      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 57                                                                                  |
| GN 113.12-10-40  | 10             | 40      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 60                                                                                  |
| GN 113.12-10-45  | 10             | 45      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 63                                                                                  |
| GN 113.12-10-50  | 10             | 50      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 64                                                                                  |
| GN 113.12-10-60  | 10             | 60      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 72                                                                                  |
| GN 113.12-10-70  | 10             | 70      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 78                                                                                  |
| GN 113.12-10-80  | 10             | 80      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 81                                                                                  |
| GN 113.12-10-90  | 10             | 90      | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 90                                                                                  |
| GN 113.12-10-100 | 10             | 100     | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 93                                                                                  |
| GN 113.12-10-110 | 10             | 110     | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 103                                                                                 |
| GN 113.12-10-120 | 10             | 120     | 12  | 23   | 18   | 9.6   | 34   | 43.5 | 10                        | 100                                                                                                        | 105                                                                                 |

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Elementos de posicionamiento



Elementos de posicionamiento

GN 113.12

STAINLESS STEEL

| Descripción      | d1 -0.04/-0.08 | l1 +0.6 | d2   | d3   | d4 | l2 ±1 | l3   | l4   | Agujero de colocación H11 | Capacidad de carga F en kN ≈ resistencia al corte en ambos lados según DIN 50141 (resistencia a la rotura) |  |
|------------------|----------------|---------|------|------|----|-------|------|------|---------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| GN 113.12-12-20  | 12             | 20      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 93                                                                                  |
| GN 113.12-12-25  | 12             | 25      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 98                                                                                  |
| GN 113.12-12-30  | 12             | 30      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 104                                                                                 |
| GN 113.12-12-35  | 12             | 35      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 107                                                                                 |
| GN 113.12-12-40  | 12             | 40      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 111                                                                                 |
| GN 113.12-12-45  | 12             | 45      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 115                                                                                 |
| GN 113.12-12-50  | 12             | 50      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 119                                                                                 |
| GN 113.12-12-60  | 12             | 60      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 128                                                                                 |
| GN 113.12-12-70  | 12             | 70      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 136                                                                                 |
| GN 113.12-12-80  | 12             | 80      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 145                                                                                 |
| GN 113.12-12-90  | 12             | 90      | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 153                                                                                 |
| GN 113.12-12-100 | 12             | 100     | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 161                                                                                 |
| GN 113.12-12-110 | 12             | 110     | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 170                                                                                 |
| GN 113.12-12-120 | 12             | 120     | 14.5 | 30.5 | 24 | 10.6  | 40.5 | 58   | 12                        | 144                                                                                                        | 179                                                                                 |
| GN 113.12-16-30  | 16             | 30      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 134                                                                                 |
| GN 113.12-16-35  | 16             | 35      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 142                                                                                 |
| GN 113.12-16-40  | 16             | 40      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 150                                                                                 |
| GN 113.12-16-45  | 16             | 45      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 157                                                                                 |
| GN 113.12-16-50  | 16             | 50      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 170                                                                                 |
| GN 113.12-16-60  | 16             | 60      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 180                                                                                 |
| GN 113.12-16-70  | 16             | 70      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 196                                                                                 |
| GN 113.12-16-80  | 16             | 80      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 210                                                                                 |
| GN 113.12-16-90  | 16             | 90      | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 230                                                                                 |
| GN 113.12-16-100 | 16             | 100     | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 246                                                                                 |
| GN 113.12-16-110 | 16             | 110     | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 262                                                                                 |
| GN 113.12-16-120 | 16             | 120     | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 277                                                                                 |
| GN 113.12-16-130 | 16             | 130     | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 293                                                                                 |
| GN 113.12-16-140 | 16             | 140     | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 309                                                                                 |
| GN 113.12-16-150 | 16             | 150     | 19   | 30.5 | 24 | 14    | 40.5 | 58   | 16                        | 257                                                                                                        | 324                                                                                 |
| GN 113.12-20-50  | 20             | 50      | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 330                                                                                 |
| GN 113.12-20-60  | 20             | 60      | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 351                                                                                 |
| GN 113.12-20-70  | 20             | 70      | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 378                                                                                 |
| GN 113.12-20-80  | 20             | 80      | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 395                                                                                 |
| GN 113.12-20-90  | 20             | 90      | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 427                                                                                 |
| GN 113.12-20-100 | 20             | 100     | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 445                                                                                 |
| GN 113.12-20-110 | 20             | 110     | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 475                                                                                 |
| GN 113.12-20-120 | 20             | 120     | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 494                                                                                 |
| GN 113.12-20-130 | 20             | 130     | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 520                                                                                 |
| GN 113.12-20-140 | 20             | 140     | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 547                                                                                 |
| GN 113.12-20-150 | 20             | 150     | 25   | 40.5 | 33 | 20.5  | 51.5 | 72.5 | 20                        | 403                                                                                                        | 572                                                                                 |
| GN 113.12-25-50  | 25             | 50      | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 428                                                                                 |
| GN 113.12-25-60  | 25             | 60      | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 466                                                                                 |
| GN 113.12-25-70  | 25             | 70      | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 504                                                                                 |
| GN 113.12-25-80  | 25             | 80      | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 540                                                                                 |
| GN 113.12-25-90  | 25             | 90      | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 581                                                                                 |
| GN 113.12-25-100 | 25             | 100     | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 618                                                                                 |
| GN 113.12-25-110 | 25             | 110     | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 657                                                                                 |
| GN 113.12-25-120 | 25             | 120     | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 695                                                                                 |
| GN 113.12-25-130 | 25             | 130     | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 733                                                                                 |
| GN 113.12-25-140 | 25             | 140     | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 770                                                                                 |
| GN 113.12-25-150 | 25             | 150     | 30.8 | 40.5 | 33 | 22    | 51.5 | 72.5 | 25                        | 631                                                                                                        | 810                                                                                 |