



1

**PERNO**

Acciaio zincato, passivato blu



2

**DENTI DI FISSAGGIO**

Acciaio INOX AISI 304



3

**MOLLA**

Acciaio INOX AISI 302



4

**IMPUGNATURA A L**

Tecnopolimero a base poliammidica (PA) rinforzato fibra di vetro, colore nero con fori di fissaggio per anello di aggancio.

Temperatura di esercizio fino a 80°.



5

**PULSANTE**

Tecnopolimero a base acetilica (POM), colore rosso.

Temperatura di esercizio fino a 80°.



6

**CARATTERISTICHE E APPLICAZIONI**

I perni autobloccanti GN 114.11 con bloccaggio assiale trovano impiego per fissare, connettere e assicurare rapidamente vari componenti. In genere si utilizzano come bulloni di supporto quando occorre smontarli e rimontarli frequentemente.

I denti di fissaggio rettangolari in lamiera d'acciaio INOX mantengono il perno autobloccante in posizione assiale nel foro. Vengono retratti tramite pressione del pulsante e una volta rilasciati, la molla di compressione li riporta nella posizione di blocco. I denti di fissaggio non sono allineati con l'impugnatura a L.



7

**ACCESSORI**

Per ottimizzare l'impiego di questi perni autobloccanti sono disponibili:

- catenelle a sfere GN 111 (vedi pag. 611);
- cavetti di ritegno GN 111.2 (vedi pag. 612);
- cavetti di ritegno a spirale GN 111.4 (vedi pag. 613).



8

**ISTRUZIONI D'USO**

Effettuando una pressione sul pulsante i due denti vengono liberati consentendo di inserire o disinserire il perno di bloccaggio.



9



10



11



12



13



14



15



16



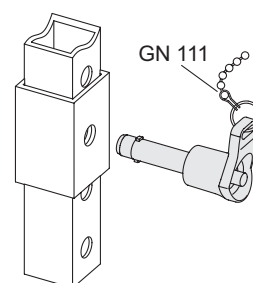
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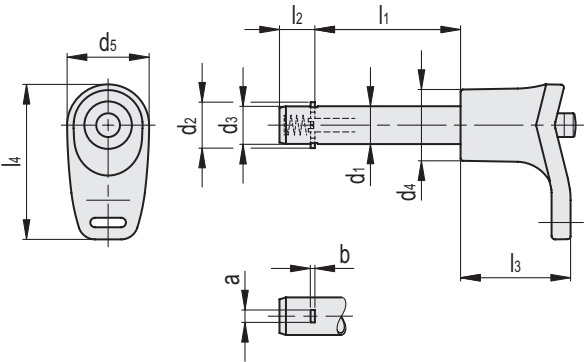


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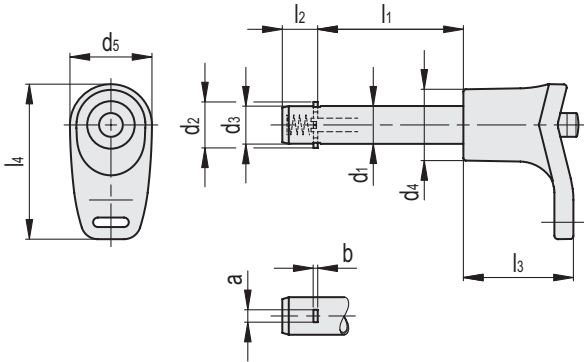
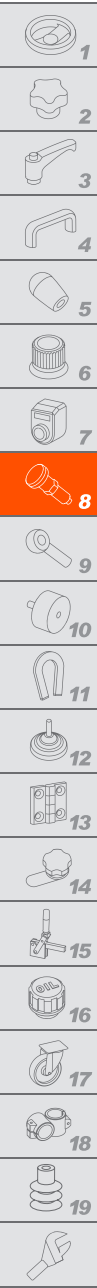
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**Esempio di applicazione**



| Codice   | Descrizione      | d1 -0.1 | d2   | d3  | d4 | d5   | l1 +0.4 | l2  | l3   | l4   | a   | b   | Resistenza al taglio [KN] |    |
|----------|------------------|---------|------|-----|----|------|---------|-----|------|------|-----|-----|---------------------------|----|
| GN.80231 | GN 114.11-6-10   | 6       | 7.3  | 5.9 | 15 | 17.5 | 10      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 36 |
| GN.80232 | GN 114.11-6-12   | 6       | 7.3  | 5.9 | 15 | 17.5 | 12      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 37 |
| GN.80233 | GN 114.11-6-16   | 6       | 7.3  | 5.9 | 15 | 17.5 | 16      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 38 |
| GN.80234 | GN 114.11-6-20   | 6       | 7.3  | 5.9 | 15 | 17.5 | 20      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 39 |
| GN.80235 | GN 114.11-6-25   | 6       | 7.3  | 5.9 | 15 | 17.5 | 25      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 40 |
| GN.80236 | GN 114.11-6-30   | 6       | 7.3  | 5.9 | 15 | 17.5 | 30      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 41 |
| GN.80237 | GN 114.11-6-35   | 6       | 7.3  | 5.9 | 15 | 17.5 | 35      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 42 |
| GN.80238 | GN 114.11-6-40   | 6       | 7.3  | 5.9 | 15 | 17.5 | 40      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 43 |
| GN.80239 | GN 114.11-6-45   | 6       | 7.3  | 5.9 | 15 | 17.5 | 45      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 44 |
| GN.80240 | GN 114.11-6-50   | 6       | 7.3  | 5.9 | 15 | 17.5 | 50      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 45 |
| GN.80241 | GN 114.11-6-60   | 6       | 7.3  | 5.9 | 15 | 17.5 | 60      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 46 |
| GN.80242 | GN 114.11-6-70   | 6       | 7.3  | 5.9 | 15 | 17.5 | 70      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 47 |
| GN.80243 | GN 114.11-6-80   | 6       | 7.3  | 5.9 | 15 | 17.5 | 80      | 7   | 23   | 32.5 | 2.3 | 0.5 | 14                        | 48 |
| GN.80251 | GN 114.11-8-10   | 8       | 9.8  | 7.9 | 15 | 17.5 | 10      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 17 |
| GN.80252 | GN 114.11-8-16   | 8       | 9.8  | 7.9 | 15 | 17.5 | 16      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 19 |
| GN.80253 | GN 114.11-8-20   | 8       | 9.8  | 7.9 | 15 | 17.5 | 20      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 20 |
| GN.80254 | GN 114.11-8-25   | 8       | 9.8  | 7.9 | 15 | 17.5 | 25      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 22 |
| GN.80255 | GN 114.11-8-30   | 8       | 9.8  | 7.9 | 15 | 17.5 | 30      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 24 |
| GN.80256 | GN 114.11-8-35   | 8       | 9.8  | 7.9 | 15 | 17.5 | 35      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 25 |
| GN.80257 | GN 114.11-8-40   | 8       | 9.8  | 7.9 | 15 | 17.5 | 40      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 27 |
| GN.80258 | GN 114.11-8-45   | 8       | 9.8  | 7.9 | 15 | 17.5 | 45      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 29 |
| GN.80259 | GN 114.11-8-50   | 8       | 9.8  | 7.9 | 15 | 17.5 | 50      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 30 |
| GN.80260 | GN 114.11-8-60   | 8       | 9.8  | 7.9 | 15 | 17.5 | 60      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 34 |
| GN.80261 | GN 114.11-8-70   | 8       | 9.8  | 7.9 | 15 | 17.5 | 70      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 37 |
| GN.80262 | GN 114.11-8-80   | 8       | 9.8  | 7.9 | 15 | 17.5 | 80      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 40 |
| GN.80263 | GN 114.11-8-90   | 8       | 9.8  | 7.9 | 15 | 17.5 | 90      | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 44 |
| GN.80264 | GN 114.11-8-100  | 8       | 9.8  | 7.9 | 15 | 17.5 | 100     | 8.4 | 23   | 32.5 | 2.8 | 0.6 | 28                        | 47 |
| GN.80271 | GN 114.11-10-15  | 10      | 11.7 | 9.9 | 18 | 23   | 15      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 31 |
| GN.80272 | GN 114.11-10-20  | 10      | 11.7 | 9.9 | 18 | 23   | 20      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 34 |
| GN.80273 | GN 114.11-10-25  | 10      | 11.7 | 9.9 | 18 | 23   | 25      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 36 |
| GN.80274 | GN 114.11-10-30  | 10      | 11.7 | 9.9 | 18 | 23   | 30      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 38 |
| GN.80275 | GN 114.11-10-35  | 10      | 11.7 | 9.9 | 18 | 23   | 35      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 41 |
| GN.80276 | GN 114.11-10-40  | 10      | 11.7 | 9.9 | 18 | 23   | 40      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 43 |
| GN.80277 | GN 114.11-10-45  | 10      | 11.7 | 9.9 | 18 | 23   | 45      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 45 |
| GN.80278 | GN 114.11-10-50  | 10      | 11.7 | 9.9 | 18 | 23   | 50      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 48 |
| GN.80279 | GN 114.11-10-60  | 10      | 11.7 | 9.9 | 18 | 23   | 60      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 52 |
| GN.80280 | GN 114.11-10-70  | 10      | 11.7 | 9.9 | 18 | 23   | 70      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 57 |
| GN.80281 | GN 114.11-10-80  | 10      | 11.7 | 9.9 | 18 | 23   | 80      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 61 |
| GN.80282 | GN 114.11-10-90  | 10      | 11.7 | 9.9 | 18 | 23   | 90      | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 66 |
| GN.80283 | GN 114.11-10-100 | 10      | 11.7 | 9.9 | 18 | 23   | 100     | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 71 |
| GN.80284 | GN 114.11-10-110 | 10      | 11.7 | 9.9 | 18 | 23   | 110     | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 75 |
| GN.80285 | GN 114.11-10-120 | 10      | 11.7 | 9.9 | 18 | 23   | 120     | 9.8 | 30.5 | 43.5 | 3.3 | 1   | 38                        | 80 |





| Codice   | Descrizione      | d1 -0.1 | d2   | d3   | d4 | d5   | l1 +0.4 | l2   | l3   | l4   | a   | b   | Resistenza al taglio [KN] | ⚖️  |
|----------|------------------|---------|------|------|----|------|---------|------|------|------|-----|-----|---------------------------|-----|
| GN.80291 | GN 114.11-12-20  | 12      | 13.7 | 11.9 | 18 | 23   | 20      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 42  |
| GN.80292 | GN 114.11-12-25  | 12      | 13.7 | 11.9 | 18 | 23   | 25      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 45  |
| GN.80293 | GN 114.11-12-30  | 12      | 13.7 | 11.9 | 18 | 23   | 30      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 49  |
| GN.80294 | GN 114.11-12-35  | 12      | 13.7 | 11.9 | 18 | 23   | 35      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 53  |
| GN.80295 | GN 114.11-12-40  | 12      | 13.7 | 11.9 | 18 | 23   | 40      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 56  |
| GN.80296 | GN 114.11-12-45  | 12      | 13.7 | 11.9 | 18 | 23   | 45      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 60  |
| GN.80297 | GN 114.11-12-50  | 12      | 13.7 | 11.9 | 18 | 23   | 50      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 64  |
| GN.80298 | GN 114.11-12-60  | 12      | 13.7 | 11.9 | 18 | 23   | 60      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 71  |
| GN.80299 | GN 114.11-12-70  | 12      | 13.7 | 11.9 | 18 | 23   | 70      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 78  |
| GN.80300 | GN 114.11-12-80  | 12      | 13.7 | 11.9 | 18 | 23   | 80      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 86  |
| GN.80301 | GN 114.11-12-90  | 12      | 13.7 | 11.9 | 18 | 23   | 90      | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 93  |
| GN.80302 | GN 114.11-12-100 | 12      | 13.7 | 11.9 | 18 | 23   | 100     | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 100 |
| GN.80303 | GN 114.11-12-110 | 12      | 13.7 | 11.9 | 18 | 23   | 110     | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 108 |
| GN.80304 | GN 114.11-12-120 | 12      | 13.7 | 11.9 | 18 | 23   | 120     | 11.3 | 30.5 | 43.5 | 3.8 | 1   | 61                        | 115 |
| GN.80311 | GN 114.11-16-30  | 16      | 18.7 | 15.9 | 22 | 30.5 | 30      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 97  |
| GN.80312 | GN 114.11-16-35  | 16      | 18.7 | 15.9 | 22 | 30.5 | 35      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 104 |
| GN.80313 | GN 114.11-16-40  | 16      | 18.7 | 15.9 | 22 | 30.5 | 40      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 111 |
| GN.80314 | GN 114.11-16-45  | 16      | 18.7 | 15.9 | 22 | 30.5 | 45      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 118 |
| GN.80315 | GN 114.11-16-50  | 16      | 18.7 | 15.9 | 22 | 30.5 | 50      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 124 |
| GN.80316 | GN 114.11-16-60  | 16      | 18.7 | 15.9 | 22 | 30.5 | 60      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 138 |
| GN.80317 | GN 114.11-16-70  | 16      | 18.7 | 15.9 | 22 | 30.5 | 70      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 152 |
| GN.80318 | GN 114.11-16-80  | 16      | 18.7 | 15.9 | 22 | 30.5 | 80      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 165 |
| GN.80319 | GN 114.11-16-90  | 16      | 18.7 | 15.9 | 22 | 30.5 | 90      | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 179 |
| GN.80320 | GN 114.11-16-100 | 16      | 18.7 | 15.9 | 22 | 30.5 | 100     | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 192 |
| GN.80321 | GN 114.11-16-110 | 16      | 18.7 | 15.9 | 22 | 30.5 | 110     | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 206 |
| GN.80322 | GN 114.11-16-120 | 16      | 18.7 | 15.9 | 22 | 30.5 | 120     | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 219 |
| GN.80323 | GN 114.11-16-130 | 16      | 18.7 | 15.9 | 22 | 30.5 | 130     | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 233 |
| GN.80324 | GN 114.11-16-140 | 16      | 18.7 | 15.9 | 22 | 30.5 | 140     | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 247 |
| GN.80325 | GN 114.11-16-150 | 16      | 18.7 | 15.9 | 22 | 30.5 | 150     | 14.2 | 38.5 | 58   | 4.8 | 1.2 | 113                       | 260 |
| GN.80331 | GN 114.11-20-30  | 20      | 22.7 | 19.8 | 25 | 30.5 | 30      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 136 |
| GN.80332 | GN 114.11-20-35  | 20      | 22.7 | 19.8 | 25 | 30.5 | 35      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 147 |
| GN.80333 | GN 114.11-20-40  | 20      | 22.7 | 19.8 | 25 | 30.5 | 40      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 159 |
| GN.80334 | GN 114.11-20-45  | 20      | 22.7 | 19.8 | 25 | 30.5 | 45      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 170 |
| GN.80335 | GN 114.11-20-50  | 20      | 22.7 | 19.8 | 25 | 30.5 | 50      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 181 |
| GN.80336 | GN 114.11-20-60  | 20      | 22.7 | 19.8 | 25 | 30.5 | 60      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 203 |
| GN.80337 | GN 114.11-20-70  | 20      | 22.7 | 19.8 | 25 | 30.5 | 70      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 226 |
| GN.80338 | GN 114.11-20-80  | 20      | 22.7 | 19.8 | 25 | 30.5 | 80      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 248 |
| GN.80339 | GN 114.11-20-90  | 20      | 22.7 | 19.8 | 25 | 30.5 | 90      | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 270 |
| GN.80340 | GN 114.11-20-100 | 20      | 22.7 | 19.8 | 25 | 30.5 | 100     | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 293 |
| GN.80341 | GN 114.11-20-110 | 20      | 22.7 | 19.8 | 25 | 30.5 | 110     | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 315 |
| GN.80342 | GN 114.11-20-120 | 20      | 22.7 | 19.8 | 25 | 30.5 | 120     | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 338 |
| GN.80343 | GN 114.11-20-130 | 20      | 22.7 | 19.8 | 25 | 30.5 | 130     | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 360 |
| GN.80344 | GN 114.11-20-140 | 20      | 22.7 | 19.8 | 25 | 30.5 | 140     | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 382 |
| GN.80345 | GN 114.11-20-150 | 20      | 22.7 | 19.8 | 25 | 30.5 | 150     | 14.8 | 38.5 | 58   | 4.8 | 1.2 | 187                       | 405 |