

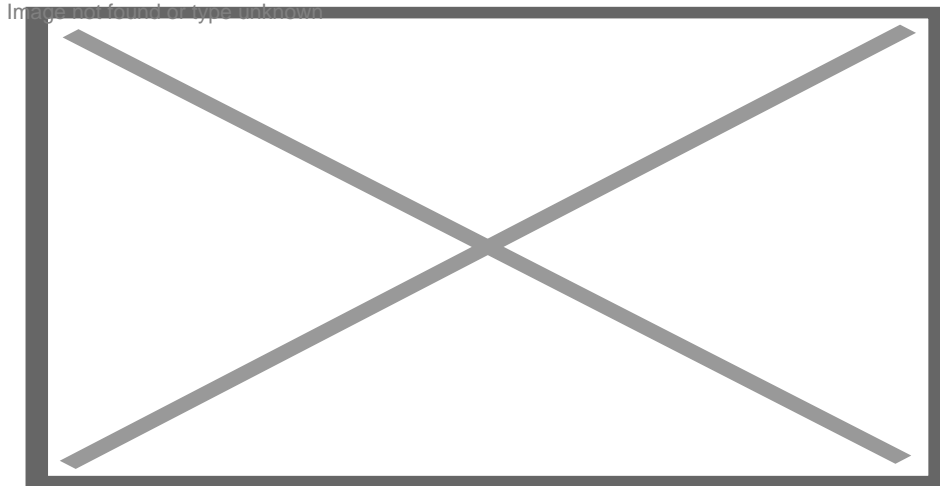
## Rotules avec filetage femelle GN 648.5

### Rotules avec filetage femelle en acier inoxydable deux modèles :

Modèle NH : corps sphérique en bronze CuSn8, bague intérieure en acier trempé, rectifiée et polie, chromée.

Modèle WH : corps sphérique en bronze CuSn8 avec insert PTFE, bague intérieure en acier trempé, rectifiée et polie, chromée.

[Accès au catalogue](#)



### Information technique

| Elementos standard | Dimensiones principales |    |           |    |     |    |    |    |    |    |     |    | Movimiento del ángulo | Peso |
|--------------------|-------------------------|----|-----------|----|-----|----|----|----|----|----|-----|----|-----------------------|------|
| Descripción        | d1 H7                   | d2 | b1 - 0.12 | b2 | d3  | d4 | d5 | d6 | l1 | l2 | A/F | t  | w                     | g    |
| GN 648.5-5-M5-NH   | 5                       | M5 | 8         | 6  | 7.7 | 18 | 9  | 11 | 27 | 36 | 9   | 10 | 13°                   | 19   |
| GN 648.5-5-M5-WH   | 5                       | M5 | 8         | 6  | 7.7 | 18 | 9  | 11 | 27 | 36 | 9   | 10 | 13°                   | 18   |
| GN 648.5-5-M5-WK   | 5                       | M5 | 8         | 6  | 7.7 | 18 | 9  | 11 | 27 | 36 | 9   | 10 | 13°                   | 18   |

|                     |    |      |    |      |      |    |      |    |    |    |    |    |     |     |
|---------------------|----|------|----|------|------|----|------|----|----|----|----|----|-----|-----|
| GN 648.5-5-M5L-NH   | 5  | M5L  | 8  | 6    | 7.7  | 18 | 9    | 11 | 27 | 36 | 9  | 10 | 13° | 19  |
| GN 648.5-5-M5L-WH   | 5  | M5L  | 8  | 6    | 7.7  | 18 | 9    | 11 | 27 | 36 | 9  | 10 | 13° | 18  |
| GN 648.5-5-M5L-WK   | 5  | M5L  | 8  | 6    | 7.7  | 18 | 9    | 11 | 27 | 36 | 9  | 10 | 13° | 18  |
| GN 648.5-6-M6-NH    | 6  | M6   | 9  | 6.75 | 8.9  | 20 | 10   | 13 | 30 | 40 | 11 | 12 | 13° | 26  |
| GN 648.5-6-M6-WH    | 6  | M6   | 9  | 6.75 | 8.9  | 20 | 10   | 13 | 30 | 40 | 11 | 12 | 13° | 25  |
| GN 648.5-6-M6-WK    | 6  | M6   | 9  | 6.75 | 8.9  | 20 | 10   | 13 | 30 | 40 | 11 | 12 | 13° | 25  |
| GN 648.5-6-M6L-NH   | 6  | M6L  | 9  | 6.75 | 8.9  | 20 | 10   | 13 | 30 | 40 | 11 | 12 | 13° | 26  |
| GN 648.5-6-M6L-WH   | 6  | M6L  | 9  | 6.75 | 8.9  | 20 | 10   | 13 | 30 | 40 | 11 | 12 | 13° | 25  |
| GN 648.5-6-M6L-WK   | 6  | M6L  | 9  | 6.75 | 8.9  | 20 | 10   | 13 | 30 | 40 | 11 | 12 | 13° | 25  |
| GN 648.5-8-M8-NH    | 8  | M8   | 12 | 9    | 10.4 | 24 | 12.5 | 16 | 36 | 48 | 13 | 16 | 14° | 48  |
| GN 648.5-8-M8-WH    | 8  | M8   | 12 | 9    | 10.4 | 24 | 12.5 | 16 | 36 | 48 | 13 | 16 | 14° | 44  |
| GN 648.5-8-M8-WK    | 8  | M8   | 12 | 9    | 10.4 | 24 | 12.5 | 16 | 36 | 48 | 13 | 16 | 14° | 45  |
| GN 648.5-8-M8L-NH   | 8  | M8L  | 12 | 9    | 10.4 | 24 | 12.5 | 16 | 36 | 48 | 13 | 16 | 14° | 48  |
| GN 648.5-8-M8L-WH   | 8  | M8L  | 12 | 9    | 10.4 | 24 | 12.5 | 16 | 36 | 48 | 13 | 16 | 14° | 45  |
| GN 648.5-8-M8L-WK   | 8  | M8L  | 12 | 9    | 10.4 | 24 | 12.5 | 16 | 36 | 48 | 13 | 16 | 14° | 44  |
| GN 648.5-10-M10-NH  | 10 | M10  | 14 | 10.5 | 12.9 | 28 | 15   | 19 | 43 | 57 | 17 | 20 | 13° | 76  |
| GN 648.5-10-M10-WH  | 10 | M10  | 14 | 10.5 | 12.9 | 28 | 15   | 19 | 43 | 57 | 17 | 20 | 13° | 70  |
| GN 648.5-10-M10-WK  | 10 | M10  | 14 | 10.5 | 12.9 | 28 | 15   | 19 | 43 | 57 | 17 | 20 | 13° | 72  |
| GN 648.5-10-M10L-NH | 10 | M10L | 14 | 10.5 | 12.9 | 28 | 15   | 19 | 43 | 57 | 17 | 20 | 13° | 75  |
| GN 648.5-10-M10L-WH | 10 | M10L | 14 | 10.5 | 12.9 | 28 | 15   | 19 | 43 | 57 | 17 | 20 | 13° | 75  |
| GN 648.5-10-M10L-WK | 10 | M10L | 14 | 10.5 | 12.9 | 28 | 15   | 19 | 43 | 57 | 17 | 20 | 13° | 70  |
| GN 648.5-12-M12-NH  | 12 | M12  | 16 | 12   | 15.4 | 32 | 17.5 | 22 | 50 | 66 | 19 | 22 | 13° | 112 |
| GN 648.5-12-M12-WH  | 12 | M12  | 16 | 12   | 15.4 | 32 | 17.5 | 22 | 50 | 66 | 19 | 22 | 13° | 109 |
| GN 648.5-12-M12-WK  | 12 | M12  | 16 | 12   | 15.4 | 32 | 17.5 | 22 | 50 | 66 | 19 | 22 | 13° | 107 |
| GN 648.5-12-M12L-NH | 12 | M12L | 16 | 12   | 15.4 | 32 | 17.5 | 22 | 50 | 66 | 19 | 22 | 13° | 111 |
| GN 648.5-12-M12L-WH | 12 | M12L | 16 | 12   | 15.4 | 32 | 17.5 | 22 | 50 | 66 | 19 | 22 | 13° | 110 |
| GN 648.5-12-M12L-WK | 12 | M12L | 16 | 12   | 15.4 | 32 | 17.5 | 22 | 50 | 66 | 19 | 22 | 13° | 107 |
| GN 648.5-14-M14-NH  | 14 | M14  | 19 | 13.5 | 16.8 | 36 | 20   | 25 | 57 | 75 | 22 | 25 | 16° | 165 |
| GN 648.5-14-M14-WH  | 14 | M14  | 19 | 13.5 | 16.8 | 36 | 20   | 25 | 57 | 75 | 22 | 25 | 16° | 164 |
| GN 648.5-14-M14-WK  | 14 | M14  | 19 | 13.5 | 16.8 | 36 | 20   | 25 | 57 | 75 | 22 | 25 | 16° | 161 |
| GN 648.5-14-M14L-NH | 14 | M14L | 19 | 13.5 | 16.8 | 36 | 20   | 25 | 57 | 75 | 22 | 25 | 16° | 163 |
| GN 648.5-14-M14L-WH | 14 | M14L | 19 | 13.5 | 16.8 | 36 | 20   | 25 | 57 | 75 | 22 | 25 | 16° | 160 |
| GN 648.5-14-M14L-WK | 14 | M14L | 19 | 13.5 | 16.8 | 36 | 20   | 25 | 57 | 75 | 22 | 25 | 16° | 158 |
| GN 648.5-16-M16-NH  | 16 | M16  | 21 | 15   | 19.3 | 42 | 22   | 27 | 64 | 85 | 22 | 28 | 15° | 227 |
| GN 648.5-16-M16-WH  | 16 | M16  | 27 | 15   | 19.3 | 42 | 22   | 27 | 64 | 85 | 22 | 28 | 15° | 222 |
| GN 648.5-16-M16-WK  | 16 | M16  | 21 | 15   | 19.3 | 42 | 22   | 27 | 64 | 85 | 22 | 28 | 15° | 223 |
| GN 648.5-16-M16L-NH | 16 | M16L | 21 | 15   | 19.3 | 42 | 22   | 27 | 64 | 85 | 22 | 28 | 15° | 225 |
| GN 648.5-16-M16L-WH | 16 | M16L | 21 | 15   | 19.3 | 42 | 22   | 27 | 64 | 85 | 22 | 28 | 15° | 220 |
| GN 648.5-16-M16L-WK | 16 | M16L | 21 | 15   | 19.3 | 42 | 22   | 27 | 64 | 85 | 22 | 28 | 15° | 313 |

|                         |    |          |    |      |      |    |      |    |     |     |    |    |     |      |
|-------------------------|----|----------|----|------|------|----|------|----|-----|-----|----|----|-----|------|
| GN 648.5-18-M18x1.5-NH  | 18 | M18x1.5  | 23 | 16.5 | 21.8 | 46 | 25   | 31 | 71  | 94  | 27 | 32 | 15° | 322  |
| GN 648.5-18-M18x1.5-WH  | 18 | M18x1.5  | 23 | 16.5 | 21.8 | 46 | 25   | 31 | 71  | 94  | 27 | 32 | 15° | 309  |
| GN 648.5-18-M18x1.5-WK  | 18 | M18x1.5  | 23 | 16.5 | 21.8 | 46 | 25   | 31 | 71  | 94  | 27 | 32 | 15° | 390  |
| GN 648.5-18-M18x1.5L-NH | 18 | M18x1.5L | 23 | 16.5 | 21.8 | 46 | 25   | 31 | 71  | 94  | 27 | 32 | 15  | 308  |
| GN 648.5-18-M18x1.5L-WH | 18 | M18x1.5L | 23 | 16.5 | 21.8 | 46 | 25   | 31 | 71  | 94  | 27 | 32 | 15° | 305  |
| GN 648.5-18-M18x1.5L-WK | 18 | M18x1.5L | 23 | 16.5 | 21.8 | 46 | 25   | 31 | 71  | 94  | 27 | 32 | 15° | 399  |
| GN 648.5-20-M20x1.5-NH  | 20 | M20x1.5  | 25 | 18   | 24.3 | 50 | 27.5 | 34 | 77  | 102 | 32 | 33 | 14° | 401  |
| GN 648.5-20-M20x1.5-WH  | 20 | M20x1.5  | 25 | 18   | 24.3 | 50 | 27.5 | 34 | 77  | 102 | 32 | 33 | 14° | 399  |
| GN 648.5-20-M20x1.5-WK  | 20 | M20x1.5  | 25 | 18   | 24.3 | 50 | 27.5 | 34 | 77  | 102 | 32 | 33 | 14° | 401  |
| GN 648.5-20-M20x1.5L-NH | 20 | M20x1.5L | 25 | 18   | 24.3 | 50 | 27.5 | 34 | 77  | 102 | 32 | 33 | 14° | 407  |
| GN 648.5-20-M20x1.5L-WH | 20 | M20x1.5L | 25 | 18   | 24.3 | 50 | 27.5 | 34 | 77  | 102 | 32 | 33 | 14° | 400  |
| GN 648.5-20-M20x1.5L-WK | 20 | M20x1.5L | 25 | 18   | 24.3 | 50 | 27.5 | 34 | 77  | 102 | 32 | 33 | 14° | 407  |
| GN 648.5-22-M22x1.5-NH  | 22 | M22x1.5  | 28 | 20   | 25.8 | 54 | 30   | 37 | 84  | 111 | 32 | 37 | 15° | 510  |
| GN 648.5-22-M22x1.5-WH  | 22 | M22x1.5  | 28 | 20   | 25.8 | 54 | 30   | 37 | 84  | 111 | 32 | 37 | 15° | 515  |
| GN 648.5-22-M22x1.5-WK  | 22 | M22x1.5  | 28 | 20   | 25.8 | 54 | 30   | 37 | 84  | 111 | 32 | 37 | 15° | 515  |
| GN 648.5-22-M22x1.5L-NH | 22 | M22x1.5L | 28 | 20   | 25.8 | 54 | 30   | 37 | 84  | 111 | 32 | 37 | 15° | 517  |
| GN 648.5-22-M22x1.5L-WH | 22 | M22x1.5L | 28 | 20   | 25.8 | 54 | 30   | 37 | 84  | 111 | 32 | 37 | 15° | 535  |
| GN 648.5-22-M22x1.5L-WK | 22 | M22x1.5L | 28 | 20   | 25.8 | 54 | 30   | 37 | 84  | 111 | 32 | 37 | 15° | 517  |
| GN 648.5-25-M24x2-NH    | 25 | M24x2    | 31 | 22   | 29.6 | 60 | 33.5 | 42 | 94  | 124 | 36 | 42 | 15° | 734  |
| GN 648.5-25-M24x2-WH    | 25 | M24x2    | 31 | 22   | 29.6 | 60 | 33.5 | 42 | 94  | 124 | 36 | 42 | 15° | 714  |
| GN 648.5-25-M24x2-WK    | 25 | M24x2    | 31 | 22   | 29.6 | 60 | 33.5 | 42 | 94  | 124 | 36 | 42 | 15° | 712  |
| GN 648.5-25-M24x2L-NH   | 25 | M24x2L   | 31 | 22   | 29.6 | 60 | 33.5 | 42 | 94  | 124 | 36 | 42 | 15° | 734  |
| GN 648.5-25-M24x2L-WH   | 25 | M24x2L   | 31 | 22   | 29.6 | 60 | 33.5 | 42 | 94  | 124 | 36 | 42 | 15° | 730  |
| GN 648.5-25-M24x2L-WK   | 25 | M24x2L   | 31 | 22   | 29.6 | 60 | 33.5 | 42 | 94  | 124 | 36 | 42 | 15° | 719  |
| GN 648.5-30-M30x2-NH    | 30 | M30x2    | 37 | 25   | 34.8 | 70 | 40   | 51 | 110 | 145 | 41 | 51 | 17° | 1130 |
| GN 648.5-30-M30x2-WH    | 30 | M30x2    | 37 | 25   | 34.8 | 70 | 40   | 51 | 110 | 145 | 41 | 51 | 17° | 1130 |
| GN 648.5-30-M30x2-WK    | 30 | M30x2    | 37 | 25   | 34.8 | 70 | 40   | 51 | 110 | 145 | 41 | 51 | 17° | 1130 |
| GN 648.5-30-M30x2L-NH   | 30 | M30x2L   | 37 | 25   | 34.8 | 70 | 40   | 51 | 110 | 145 | 41 | 51 | 17° | 1130 |

|                       |    |        |    |    |      |    |    |    |     |     |    |    |     |      |
|-----------------------|----|--------|----|----|------|----|----|----|-----|-----|----|----|-----|------|
| GN 648.5-30-M30x2L-WH | 30 | M30x2L | 37 | 25 | 34.8 | 70 | 40 | 51 | 110 | 145 | 41 | 51 | 17° | 1130 |
| GN 648.5-30-M30x2L-WK | 30 | M30x2L | 37 | 25 | 34.8 | 70 | 40 | 51 | 110 | 145 | 41 | 51 | 17° | 1130 |