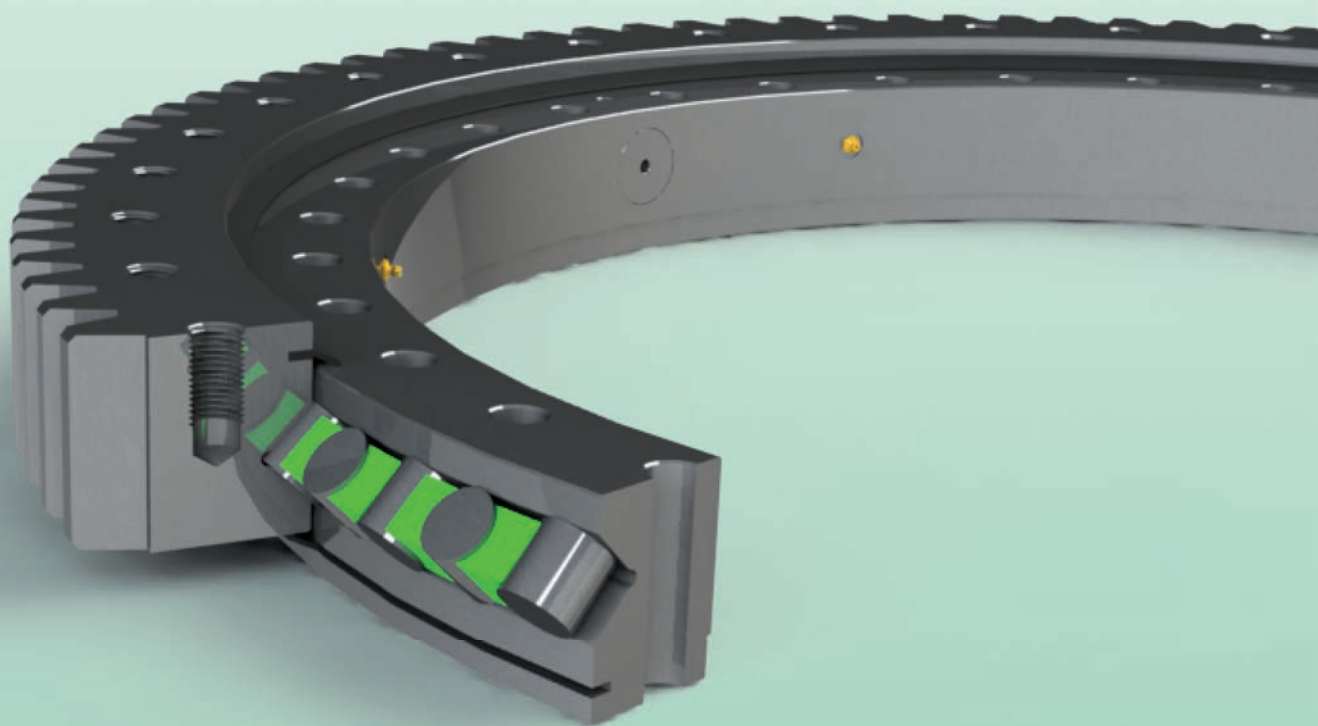




Cuscinetti di base ad un giro di rulli incrociati, dentatura esterna

One row crossed roller bearing, external toothed

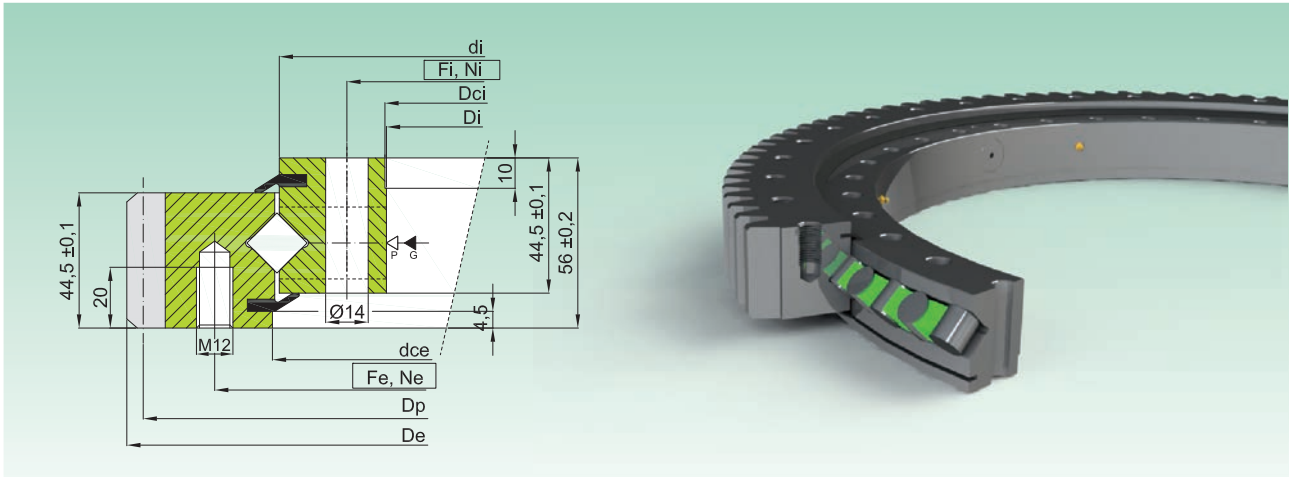


ER1 SERIES

ER1.14 S

SERIE STANDARD

STANDARD SERIES



| Codice Code | Curva Curve | Dimensioni Dimensions | | | | Fori di fissaggio Fixing Holes | | | | Dentatura Gear data | | | | | Peso Weight [kg] | |
|-----------------------|-------------|-----------------------|---------------|----------|---------------|--------------------------------|---------|--------|---------|---------------------|--------|-------|---------|--------------|------------------|-------------|
| | | De [mm] | dce +IT7 [mm] | di [mm] | Dci +IT7 [mm] | Di [mm] | Fe [mm] | Ne [-] | Fi [mm] | Ni [mm] | m [mm] | Z [-] | Dp [mm] | fz norm [kN] | | fz max [kN] |
| ER1.14.0414.200-1STPN | 1 | 503,3 | 417 | 413-0,5 | 344 | 342 | 455 | 20 | 368 | 24 | 5 | 99 | 495 | 15,13 | 30,26 | 32 |
| ER1.14.0544.200-1STPN | 2 | 640,3 | 547 | 543-0,5 | 474 | 472 | 585 | 28 | 498 | 32 | 6 | 105 | 630 | 18,16 | 36,31 | 43 |
| ER1.14.0644.200-1STPN | 3 | 742,3 | 647 | 643-0,6 | 574 | 572 | 685 | 32 | 598 | 36 | 6 | 122 | 732 | 18,16 | 36,31 | 52 |
| ER1.14.0744.200-1STPN | 4 | 838,1 | 747 | 743-0,6 | 674 | 672 | 785 | 36 | 698 | 40 | 6 | 138 | 828 | 18,16 | 36,31 | 58 |
| ER1.14.0844.200-1STPN | 5 | 950,1 | 847 | 843-0,6 | 774 | 772 | 885 | 36 | 798 | 40 | 8 | 117 | 936 | 24,21 | 48,42 | 71 |
| ER1.14.0944.200-1STPN | 6 | 1046,1 | 947 | 943-0,7 | 874 | 872 | 985 | 40 | 898 | 44 | 8 | 129 | 1032 | 24,21 | 48,42 | 77 |
| ER1.14.1094.200-1STPN | 7 | 1198,1 | 1097 | 1093-0,7 | 1024 | 1022 | 1135 | 44 | 1048 | 48 | 8 | 148 | 1184 | 24,21 | 48,42 | 90 |

- Materiale: C45 Q+T

- Costruite con gioco stretto

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

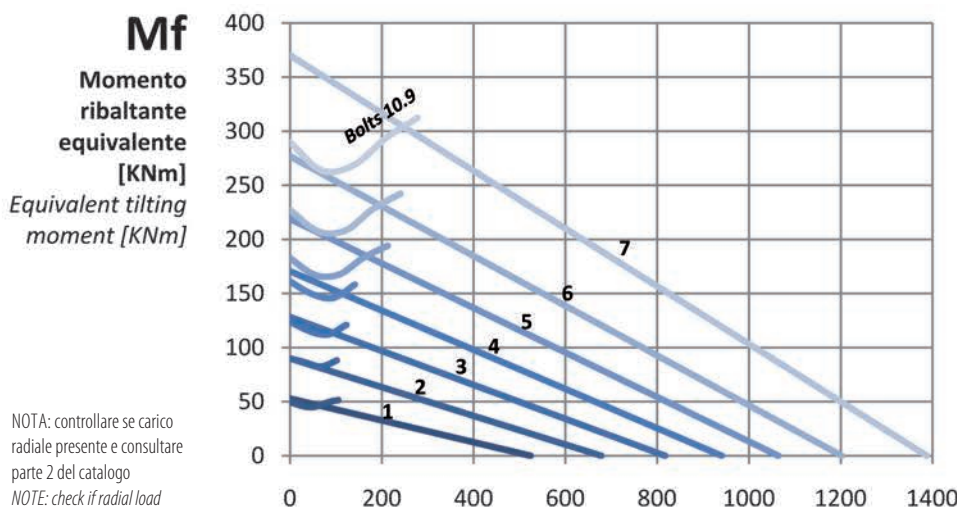
▷ P=tappo inserimento sfere / filling plug

▶ G=ingrassatori M8X1 / greasers M8X1

- Material C45 Q+T

- Assembled with reduced clearances

- Full of grease, protected by oil and wrapped in resistant plastic film



NOTA: controllare se carico radiale presente e consultare parte 2 del catalogo
NOTE: check if radial load applied and consult part 2 of the catalogue

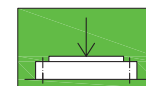
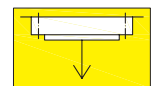


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required

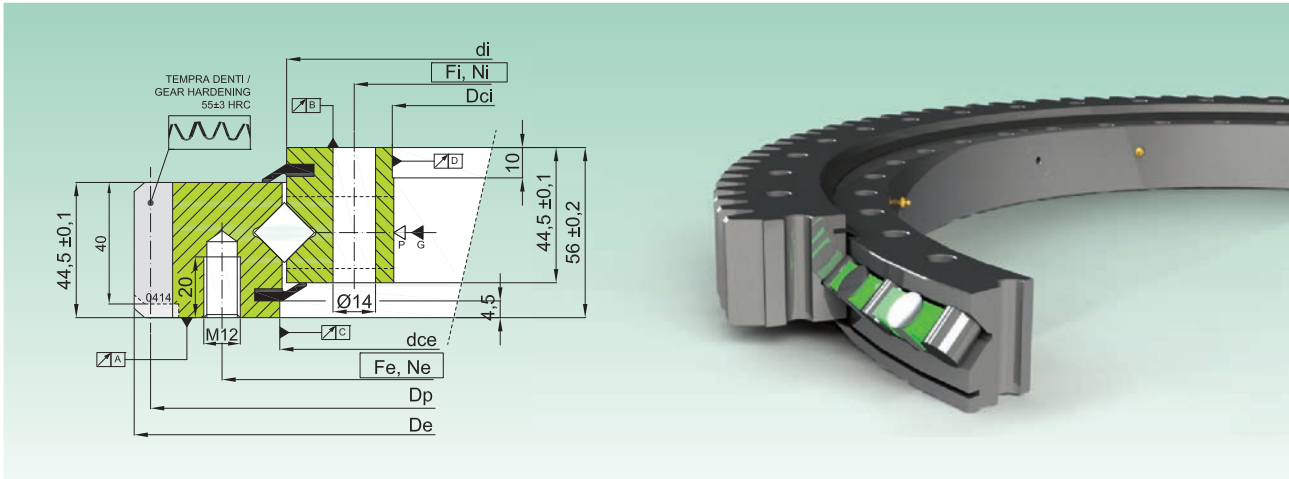
Fa

Carico assiale equivalente [KN]
Equivalent axial load [KN]

ER1.14 PR

SERIE PRECARICATA DI PRECISIONE

PRELOADED PRECISION SERIES



| Codice Code | Curva Curve | Dimensioni Dimensions | | | | Fori di fissaggio Fixing Holes | | | | Dentatura Gear data | | | | Precarico Preload | Peso Weight | |
|-----------------------|-------------|-----------------------|---------------|----------|---------------|--------------------------------|--------|---------|--------|---------------------|-------|---------|--------------|-------------------|---------------|-------------|
| | | De [mm] | dce +IT7 [mm] | di [mm] | Dci +IT7 [mm] | Fe [mm] | Ne [-] | Fi [mm] | Ni [-] | m [mm] | Z [-] | Dp [mm] | fz norm [kN] | | | fz max [kN] |
| ER1.14.0414.201-3RTPN | 1 | 503,3 | 417 | 413-0,5 | 344 | 455 | 20 | 368 | 24 | 5 | 99 | 495 | 15,9 | 23,6 | -0,01 ÷ -0,03 | 32 |
| ER1.14.0544.201-3RTPN | 2 | 640,3 | 547 | 543-0,5 | 474 | 585 | 28 | 498 | 32 | 6 | 105 | 630 | 21,3 | 31,5 | -0,01 ÷ -0,03 | 44 |
| ER1.14.0644.201-3RTPN | 3 | 742,3 | 647 | 643-0,6 | 574 | 685 | 32 | 598 | 36 | 6 | 122 | 732 | 21,3 | 31,5 | -0,01 ÷ -0,04 | 52 |
| ER1.14.0744.201-3RTPN | 4 | 838,1 | 747 | 743-0,6 | 674 | 785 | 36 | 698 | 40 | 6 | 138 | 828 | 21,3 | 31,5 | -0,01 ÷ -0,04 | 59 |
| ER1.14.0844.201-3RTPN | 5 | 950,1 | 847 | 843-0,6 | 774 | 885 | 36 | 798 | 40 | 8 | 117 | 936 | 28,3 | 42 | -0,01 ÷ -0,04 | 71 |
| ER1.14.0944.201-3RTPN | 6 | 1046,1 | 947 | 943-0,7 | 874 | 985 | 40 | 898 | 44 | 8 | 129 | 1032 | 28,3 | 42 | -0,01 ÷ -0,05 | 77 |
| ER1.14.1094.201-3RTPN | 7 | 1198,1 | 1097 | 1093-0,7 | 1024 | 1135 | 44 | 1048 | 48 | 8 | 148 | 1184 | 28,3 | 42 | -0,01 ÷ -0,06 | 91 |

- Materiale: C45Q+T
 - Costruite con leggero precarico e dentatura temprata 55HRC
 - Pieni di grasso, protetti da olio, e avvolti in resistente film plastico
 ▷ P tappo inserimento sfere / filling plug

- Material C45 Q+T
 - Assembled with slight preload and gear hardened 55HRC
 - Full of grease, protected by oil and wrapped in resistant plastic film
 ▶ G= n.4 ingrassatori M8X1 / n.4 greasers M8X1

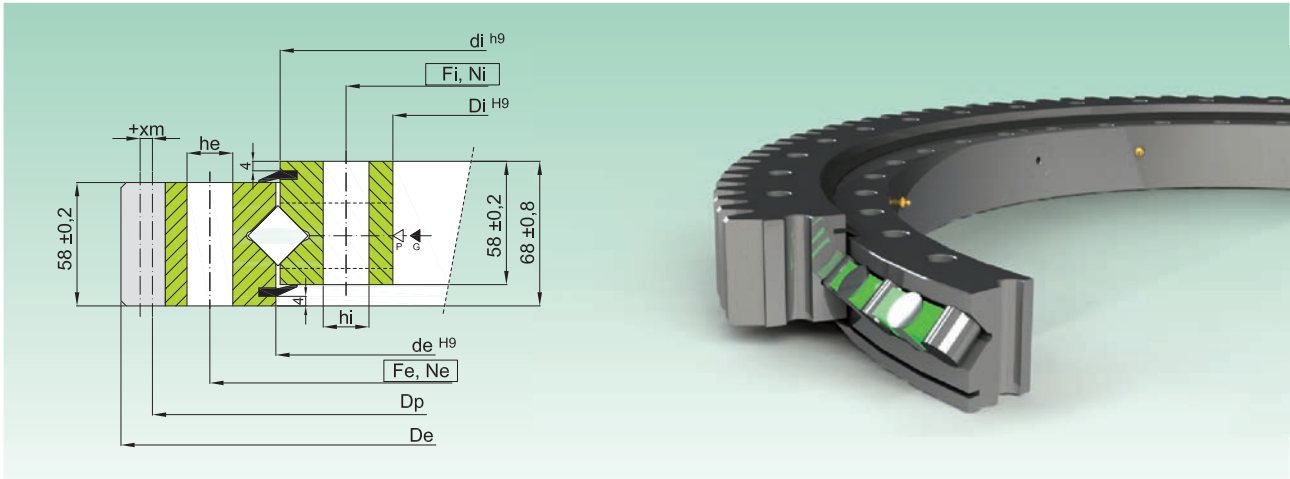
| n. | Valori di oscillazione Run-out values | | | |
|----|---------------------------------------|--------|--------|--------|
| | A [mm] | B [mm] | C [mm] | D [mm] |
| 1 | 0,04 | 0,04 | 0,06 | 0,06 |
| 2 | 0,04 | 0,04 | 0,07 | 0,06 |
| 3 | 0,05 | 0,05 | 0,08 | 0,07 |
| 4 | 0,05 | 0,05 | 0,08 | 0,08 |
| 5 | 0,05 | 0,05 | 0,09 | 0,08 |
| 6 | 0,06 | 0,06 | 0,09 | 0,09 |
| 7 | 0,07 | 0,07 | 0,11 | 0,11 |

STESSO DIAGRAMMA DI CARICO SERIE ER1.14 S
 SAME LOAD CHART OF ER1.14 S SERIES

ER1.20 S

SERIE STANDARD

STANDARD SERIES



| Codice Code | Curva Curve | Dimensioni Dimensions | | | | Fori di fissaggio Fixing Holes | | | | | | Dentatura Gear data | | | | | Peso Weight [kg] | |
|-----------------------|-------------|-----------------------|---------|---------|---------|--------------------------------|--------|---------|---------|--------|---------|---------------------|-------|---------|---------|--------------|------------------|-------------|
| | | De [mm] | de [mm] | di [mm] | Di [mm] | Fe [mm] | Ne [-] | he [mm] | Fi [mm] | Ni [-] | hi [mm] | m [mm] | Z [-] | xm [mm] | Dp [mm] | fz norm [kN] | | fz max [kN] |
| ER1.20.1204.400-2SPPN | 1 | 1338 | 1206 | 1202 | 1119 | 1257 | 45 | 16 | 1151 | 45 | 16 | 10 | 131 | +5,0 | 1310 | 46,4 | 92,8 | 154 |
| ER1.20.1314.400-2SPPN | 2 | 1448 | 1316 | 1312 | 1229 | 1367 | 50 | 16 | 1261 | 50 | 16 | 10 | 142 | +5,0 | 1420 | 46,4 | 92,8 | 168 |
| ER1.20.1424.400-2SPPN | 3 | 1558 | 1426 | 1422 | 1339 | 1477 | 54 | 16 | 1371 | 54 | 16 | 10 | 153 | +5,0 | 1530 | 46,4 | 92,8 | 182 |
| ER1.20.1534.400-2SPPN | 4 | 1668 | 1536 | 1532 | 1449 | 1587 | 60 | 16 | 1481 | 60 | 16 | 10 | 164 | +5,0 | 1640 | 46,4 | 92,8 | 195 |
| ER1.20.1644.400-2SPPN | 5 | 1791 | 1646 | 1642 | 1536 | 1708 | 54 | 22 | 1580 | 54 | 22 | 10 | 176 | +6,5 | 1760 | 46,4 | 92,8 | 242 |
| ER1.20.1754.400-2SPPN | 6 | 1901 | 1756 | 1752 | 1646 | 1818 | 60 | 22 | 1690 | 60 | 22 | 10 | 187 | +6,5 | 1870 | 46,4 | 92,8 | 258 |
| ER1.20.1904.400-2SPPN | 7 | 2073,4 | 1906 | 1902 | 1796 | 1968 | 64 | 22 | 1840 | 64 | 22 | 14 | 145 | +6,5 | 2030 | 65,0 | 130,0 | 306 |

- Materiale: 42CrMo4 Q+T

- Gioco assiale e radiale riportati sul disegno tecnico

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

▷ P=tappo inserimento sfere / filling plug

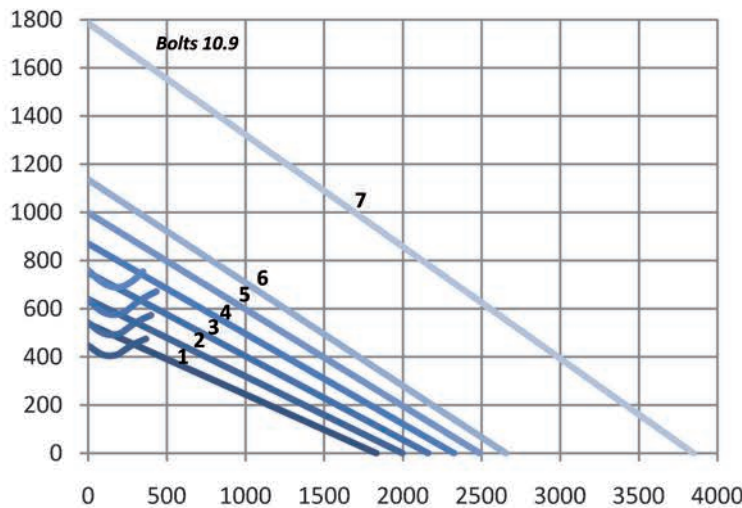
▶ G=4 ingrassatori M10X1 / 4 greasers M10X1

- Material 42CrMo4 Q+T

- Axial/radial clearances are on the technical drawing

- Full of grease, protected by oil and wrapped in resistant plastic film

Mf
Momento ribaltante equivalente [KNm]
Equivalent tilting moment [KNm]



NOTA: controllare se carico radiale presente e consultare parte 2 del catalogo
NOTE: check if radial load applied and consult part 2 of the catalogue

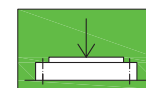
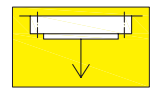


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required

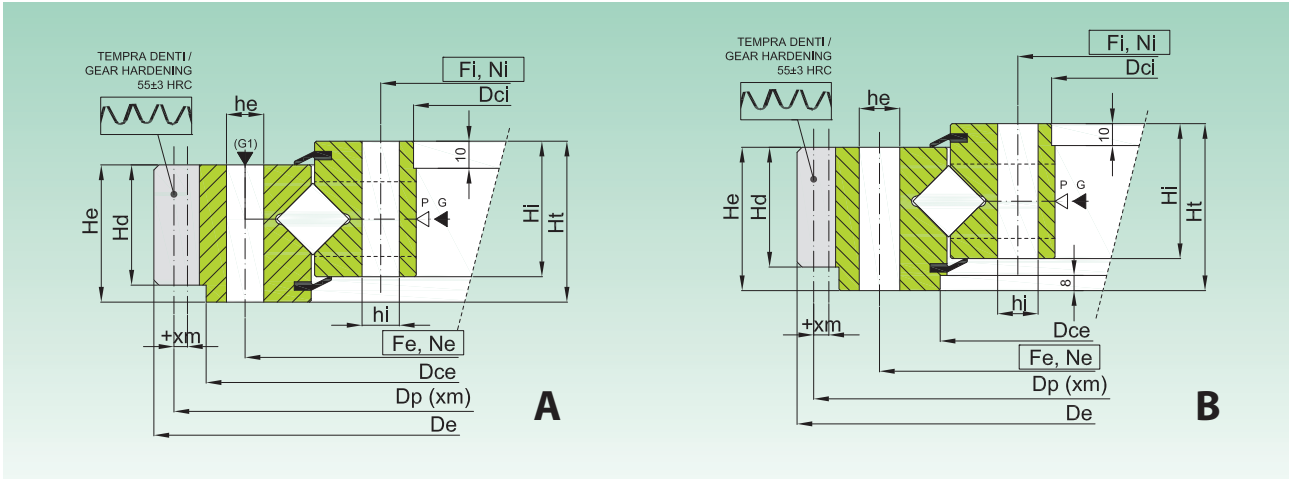
Fa

Carico assiale equivalente [KN]
Equivalent axial load [KN]

ER1.20/25

SERIE STANDARD

STANDARD SERIES



| Codice Code | Curve | Shape | Dimensioni Dimensions | | | | | | Fori di fissaggio Fixing Holes | | | | | | Dentatura Gear data | | | | Peso Weight [kg] | | |
|-----------------------|-------|-------|-----------------------|-----------|-----------|---------|---------|---------|--------------------------------|---------|--------|---------|---------|--------|---------------------|--------|-------|---------|------------------|--------------|--------------|
| | | | De [mm] | Dce [mm] | Dci [mm] | He [mm] | Hi [mm] | Ht [mm] | Hd [mm] | Fe [mm] | Ne [-] | he [mm] | Fi [mm] | Ni [-] | hi [-] | m [mm] | Z [-] | xm [mm] | | Dp (xm) [mm] | fz norm [kN] |
| ER1.20.0307.400-2RPPN | 1 | B | 403,5 | 312 +0,09 | 235 +0,09 | 47 | 45 | 55 | 42 | 358 | 24 | 13 | 259 | 28-1 | 13 | 4,5 | 88 | - | 396 | 15,1 | 24 |
| ER1.25.0400.400-2RPPN | 2 | A | 535 | 495 -0,10 | 306 +0,09 | 63 | 63 | 75 | 55 | 466 | 18 | 20 | 336 | 18 | 20 | 8 | 65 | - | 520 | 35,2 | 61 |
| ER1.25.0475.400-2RPPN | 3 | A | 589 | 565 -0,11 | 384 +0,09 | 63 | 63 | 75 | 55 | 540 | 18 | 20 | 410 | 18 | 20 | 5 | 116 | - | 580 | 22,0 | 63 |
| ER1.30.0508.400-2RPPN | 4 | A | 654 | 610 -0,13 | 392 +0,09 | 73 | 73 | 85 | 60 | 582 | 30 | 22 | 432 | 30-1 | 22 | 8 | 80 | - | 640 | 38,4 | 97 |
| ER1.25.0574.400-2RPPN | 5 | A | 700 | 670 -0,15 | 480 +0,10 | 64 | 64 | 77 | 60 | 640 | 36 | 18 | 508 | 36-1 | 18 | 6 | 114 | +3 | 690 | 34,8 | 82 |
| ER1.25.0675.400-2RPPN | 6 | B | 816 | 682 +0,13 | 574 +0,11 | 73 | 70 | 90 | 65 | 753 | 18 | 22 | 604 | 18 | 22 | 6 | 132 | +6,552 | 805,1 | 37,7 | 124 |
| ER1.25.0734.400-2RPPN | 7 | B | 886 | 740 +0,14 | 615 +0,13 | 75 | 70 | 85 | 75 | 810 | 30 | 22 | 658 | 30 | 22 | 8 | 108 | +4 | 872 | 58,0 | 155 |
| ER1.25.0823.400-2RPPN | 8 | B | 979 | 845 +0,14 | 718 +0,14 | 79 | 82 | 100 | 65 | 893 | 36 | 22 | 753 | 36-1 | 22 | 10 | 94 | +11 | 962 | 62,8 | 178 |
| ER1.25.0980.400-2RPPN | 9 | B | 1144 | 993 +0,14 | 870 +0,14 | 79 | 84 | 100 | 67 | 1050 | 36 | 22 | 910 | 36 | 22 | 10 | 111 | +8 | 1126 | 64,7 | 228 |

- Materiale: 42CrMo4 Q+T

- Costruite con gioco centesimale e denti temprati 55 HRC

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

▷ P=tappo inserimento sfere / filling plug

▷ G= ingrassatori / greasers

- Material 42CrMo4 Q+T

- Assembled with precision clearance and gear hardened 55 HRC

- Full of grease, protected by oil and wrapped in resistant plastic film

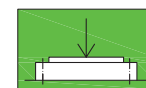
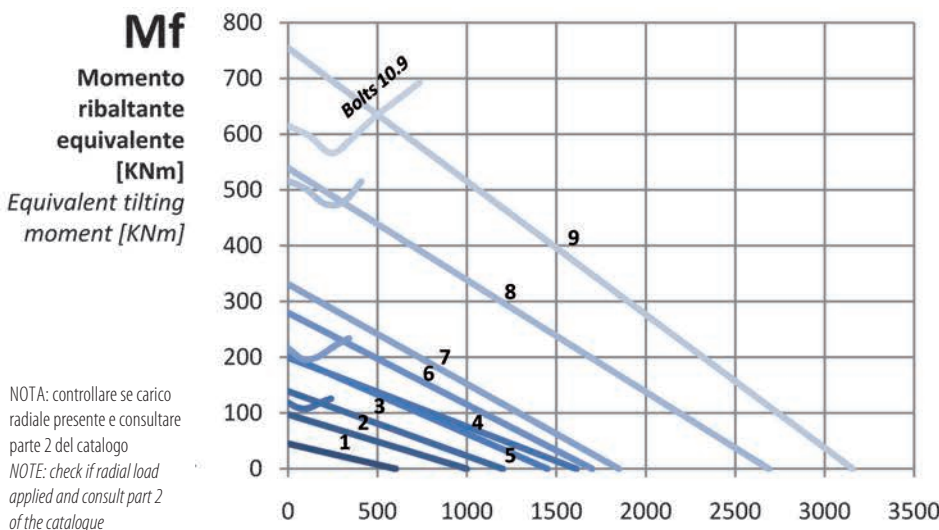
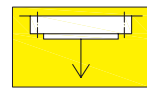


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required

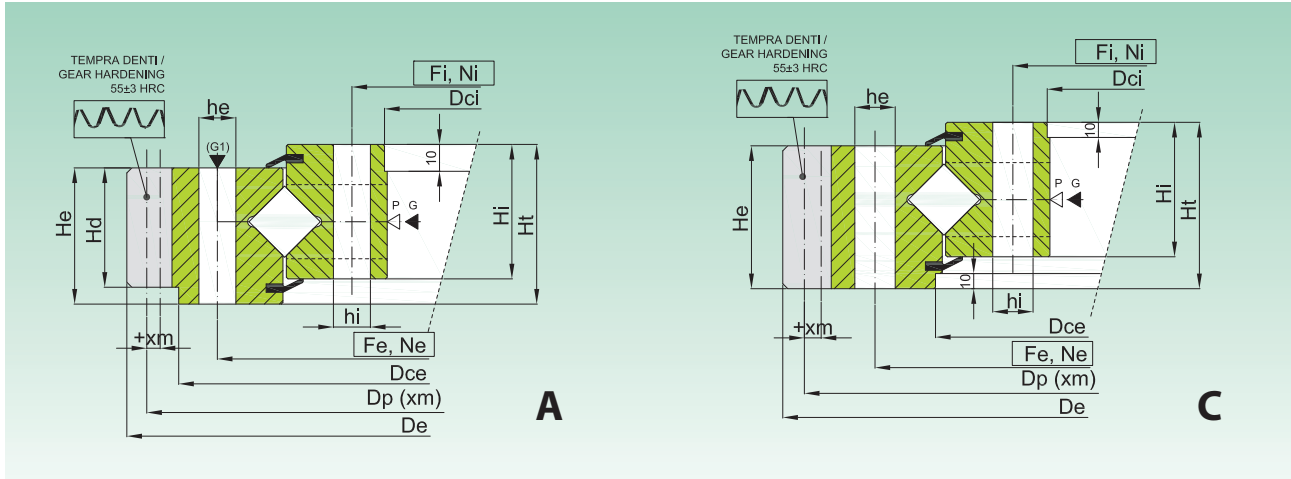
Fa

Carico assiale equivalente [KN]
Equivalent axial load [KN]

ER1.30/50

SERIE STANDARD

STANDARD SERIES



| Codice Code | Curve | Shape | Dimensioni Dimensions | | | | | | Fori di fissaggio Fixing Holes | | | | | Dentatura Gear data | | | | Peso Weight [kg] | | | |
|-----------------------|-------|-------|-----------------------|------------|------------|---------|---------|---------|--------------------------------|---------|--------|---------|---------|---------------------|--------|--------|-------|------------------|---------|--------------|--------------|
| | | | De [mm] | Dce [mm] | Dci [mm] | He [mm] | Hi [mm] | Ht [mm] | Hd [mm] | Fe [mm] | Ne [-] | he [mm] | Fi [mm] | Ni [-] | hl [-] | m [mm] | Z [-] | | xm [mm] | Dp (xm) [mm] | fz norm [kN] |
| ER1.30.1116.400-2RPPN | 1 | A | 1289,5 | 1240 -0,17 | 985 +0,14 | 90 | 94 | 114 | 78 | 1198 | 40 | 22 | 1035 | 40 | 22 | 10 | 125 | +10,5 | 1271 | 75,4 | 335 |
| ER1.36.1250.400-2RPPN | 2 | A | 1476 | 1415 -0,20 | 1080 +0,14 | 91 | 100 | 110 | 79 | 1350 | 40 | 26 | 1150 | 40 | 26 | 10 | 144 | +8,6 | 1457,2 | 75,4 | 505 |
| ER1.45.1390.400-2RPPN | 3 | A | 1604 | 1551 -0,20 | 1205 +0,17 | 112 | 116 | 130 | 90 | 1500 | 48 | 30 | 1280 | 48 | 30 | 10 | 157 | +7,5 | 1585 | 87,0 | 620 |
| ER1.45.1595.400-2RPPN | 4 | C | 1836 | 1608 +0,20 | 1437 +0,20 | 120 | 115 | 135 | - | 1700 | 45 | 30 | 1485 | 45 | 30 | 16 | 112 | +8 | 1808 | 185,5 | 791 |
| ER1.45.1790.400-2RPPN | 5 | C | 2027 | 1808 +0,25 | 1617 +0,20 | 130 | 128 | 150 | - | 1905 | 48 | 30 | 1675 | 48 | 30 | 14 | 142 | +7 | 2002 | 175,8 | 1004 |
| ER1.50.2002.400-2RPPN | 6 | C | 2267 | 2013 +0,30 | 1822 +0,25 | 129 | 119 | 140 | - | 2124 | 72 | 30 | 1880 | 72 | 30 | 16 | 139 | +8 | 2240 | 199,4 | 1174 |
| ER1.50.2242.400-2RPPN | 7 | C | 2534 | 2260 +0,20 | 2049 +0,30 | 132 | 122 | 144 | - | 2373 | 60 | 33 | 2112 | 60 | 33 | 18 | 138 | +9 | 2502 | 229,6 | 1482 |
| ER1.50.2500.400-2RPPN | 8 | C | 2790 | 2508 +0,30 | 2297 +0,30 | 148 | 142 | 164 | - | 2640 | 72 | 33 | 2360 | 72 | 33 | 18 | 151 | +19,8 | 2757,6 | 257,4 | 1895 |
| ER1.50.2810.400-2RPPN | 9 | C | 3116 | 2818 +0,35 | 2607 +0,35 | 148 | 142 | 164 | - | 2950 | 80 | 33 | 2670 | 80 | 33 | 20 | 152 | +20 | 3080 | 286,0 | 2200 |

- Materiale: 42CrMo4 Q+T

- Costruite con gioco centesimale e denti temprati 55 HRC

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

▷ P=tappo inserimento sfere / filling plug

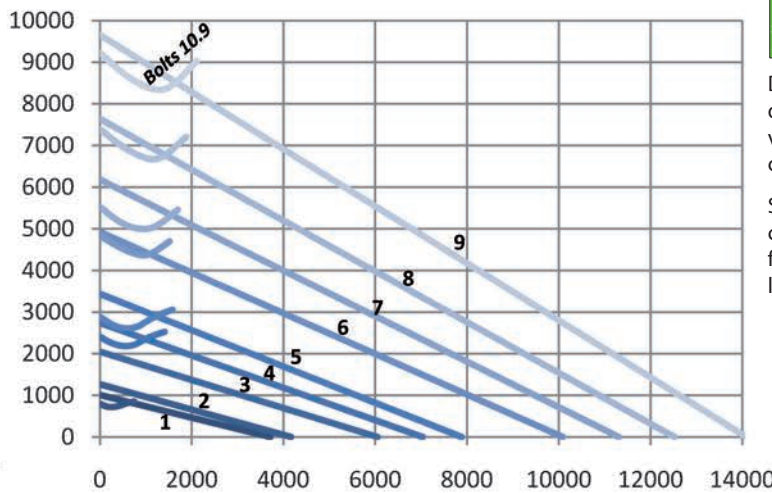
▶ G=ingrassatori M8X1 / greasers M8X1

- Material 42CrMo4 Q+T

- Assembled with precision clearance and gear hardened 55 HRC

- Full of grease, protected by oil and wrapped in resistant plastic film

Mf
Momento ribaltante equivalente [KNm]
Equivalent tilting moment [KNm]



NOTA: controllare se carico radiale presente e consultare parte 2 del catalogo
NOTE: check if radial load applied and consult part 2 of the catalogue

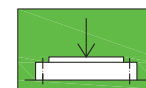
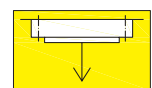


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required

Fa

Carico assiale equivalente [KN]
Equivalent axial load [KN]