

## Vnútorne krúžky



Vnútorne krúžky sú vyrobené z kalenej ocele na valivé ložiská a majú jemne opracované alebo brúsené obežné dráhy.

Používajú sa v nasledujúcich prípadoch:

- Pri ihlových kietkach, ihlových puzdrách, ihlových ložiskách, ktoré nemôžu používať hriadeľ ako obežnú dráhu.
- Pri ihlových ložiskách v kombinácii so širokým vnútorným krúžkom, ak majú umožňovať väčšie axiálne posuny hriadeľa proti telesu.
- Ak je požadovaná optimálna plocha pre jazýčky tesnenia.

[Stiahnuť si aktuálny všeobecný katalóg SK](#)

Vysvetlivky k tabulke:

○ s mazacím otvorom

- s mazacím otvorom bez nábehovej hrany

| Rozmery |    |    |                  | Označenie      | Hmotnosť |
|---------|----|----|------------------|----------------|----------|
| d       | F  | D  | r <sub>min</sub> |                | g        |
| mm      |    |    |                  |                |          |
| 5       | 8  | 12 | 0.3              | IR5x8x12       | 2.8      |
| 5       | 8  | 16 | 0.3              | IR5x8x16       | 3.7      |
| 6       | 9  | 12 | 0.3              | IR6x9x12       | 3.2      |
| 6       | 9  | 16 | 0.3              | IR6x9x16       | 4.3      |
| 6       | 10 | 10 | 0.3              | IR6x10x10      | 3.7      |
| 6       | 10 | 12 | 0.3              | • IR6x10x12    | 4.6      |
| 7       | 10 | 11 | 0.3              | IR7x10x10.5    | 3.1      |
| 7       | 10 | 12 | 0.3              | IR7Xx10x12     | 3.6      |
| 7       | 10 | 16 | 0.3              | IR7x10x16      | 4.9      |
| 8       | 12 | 10 | 0.3              | IR8x12x10      | 4.8      |
| 8       | 12 | 11 | 0.3              | IR/LR8x12x10.5 | 5.0      |
| 8       | 12 | 12 | 0.3              | IR8x12x12      | 5.7      |
| 8       | 12 | 13 | 0.3              | IR8x12x12.5    | 5.9      |
| 9       | 12 | 12 | 0.3              | IR9x12x12      | 4.5      |
| 9       | 12 | 16 | 0.3              | IR9x12x16      | 6.1      |

| Rozmery |    |    |                  | Označenie       | Hmotnosť |  |
|---------|----|----|------------------|-----------------|----------|--|
| d       | F  | D  | r <sub>min</sub> |                 | g        |  |
| mm      |    |    |                  |                 |          |  |
| 10      | 13 | 13 | 0.3              | IR/LR10x13x12.5 | 5.2      |  |
| 10      | 14 | 12 | 0.3              | o IR10x14x12    | 7.3      |  |
| 10      | 14 | 13 | 0.3              | IR10x14x13      | 7.4      |  |
| 10      | 14 | 14 | 0.3              | • IR10x14x14    | 8.0      |  |
| 10      | 14 | 16 | 0.3              | IR10x14x16      | 9.2      |  |
| 10      | 14 | 20 | 0.3              | IR10x14x20      | 11.6     |  |
| 12      | 15 | 12 | 0.3              | IR12x15x12      | 5.8      |  |
| 12      | 15 | 13 | 0.3              | IR12x15x12.5    | 6.1      |  |
| 12      | 15 | 16 | 0.3              | IR12x15x16      | 8.0      |  |
| 12      | 15 | 17 | 0.3              | IR/LR12x15x16.5 | 8.1      |  |
| 12      | 15 | 23 | 0.3              | IR/LR12x15x22.5 | 11.0     |  |
| 12      | 16 | 12 | 0.3              | o IR12x16x12    | 7.9      |  |
| 12      | 16 | 13 | 0.3              | IR12x16x13      | 8.7      |  |
| 12      | 16 | 14 | 0.3              | • IR12x16x14    | 9.5      |  |
| 12      | 16 | 16 | 0.3              | IR12x16x16      | 11.0     |  |
| 12      | 16 | 20 | 0.3              | IR12x16x20      | 13.5     |  |
| 14      | 17 | 17 | 0.3              | IR14x17x17      | 10.0     |  |
| 15      | 18 | 13 | 0.3              | IR15x18x12.5    | 7.2      |  |
| 15      | 18 | 16 | 0.3              | IR15x18x16      | 9.6      |  |
| 15      | 18 | 17 | 0.3              | IR15x18x16.5    | 9.9      |  |
| 15      | 19 | 16 | 0.3              | IR15x19x16      | 12.8     |  |
| 15      | 19 | 20 | 0.3              | IR15x15x20      | 16.4     |  |
| 15      | 20 | 12 | 0.3              | o IR15x20x12    | 12.1     |  |
| 15      | 20 | 13 | 0.3              | IR15x20x13      | 13.5     |  |
| 15      | 20 | 14 | 0.3              | • IR15x20x14    | 14.7     |  |
| 15      | 20 | 23 | 0.3              | IR15x20x23      | 24.4     |  |
| 17      | 20 | 16 | 0.3              | IR17x20x16      | 10.7     |  |

| Rozmery |    |    |                  | Označenie    | Hmotnosť |  |
|---------|----|----|------------------|--------------|----------|--|
| d       | F  | D  | r <sub>min</sub> |              | g        |  |
| mm      |    |    |                  |              |          |  |
| 17      | 20 | 17 | 0.3              | IR17x20x16.5 | 11.1     |  |
| 17      | 20 | 20 | 0.3              | IR17x20x20   | 13.5     |  |
| 17      | 20 | 21 | 0.3              | IR17x20x20.5 | 13.8     |  |
| 17      | 20 | 31 | 0.3              | IR17x20x30.5 | 20.6     |  |
| 17      | 21 | 16 | 0.3              | IR17x21x16   | 14.3     |  |
| 17      | 21 | 20 | 0.3              | IR17x21x20   | 18.0     |  |
| 17      | 22 | 13 | 0.3              | IR17x22x13   | 14.9     |  |
| 17      | 22 | 14 | 0.3              | • IR17x22x14 | 16.4     |  |
| 17      | 22 | 16 | 0.3              | IR17x22x16   | 18.7     |  |
| 17      | 22 | 23 | 0.3              | IR17x22x23   | 27.1     |  |
| 17      | 24 | 20 | 0.3              | IR17x24x20   | 33.6     |  |
| 20      | 24 | 16 | 0.3              | IR20x24x16   | 16.5     |  |
| 20      | 24 | 20 | 0.3              | IR20x24x20   | 21.3     |  |
| 20      | 25 | 13 | 0.3              | IR20x25x12.5 | 20.0     |  |
| 20      | 25 | 17 | 0.3              | IR20x25x17   | 22.4     |  |
| 20      | 25 | 18 | 0.3              | IR20x25x18   | 24.3     |  |
| 20      | 25 | 20 | 0.3              | IR20x25x20   | 27.5     |  |
| 20      | 25 | 21 | 0.3              | IR20x25x20.5 | 28.2     |  |
| 22      | 26 | 16 | 0.3              | IR22x26x16   | 17.5     |  |
| 22      | 26 | 20 | 0.3              | IR22x26x20   | 23.2     |  |
| 22      | 28 | 17 | 0.3              | IR22x28x17   | 29.8     |  |
| 22      | 28 | 20 | 0.3              | IR22x28x20   | 35.0     |  |
| 22      | 28 | 21 | 0.3              | IR22x28x20.5 | 36.0     |  |
| 25      | 29 | 20 | 0.3              | IR25x29x20   | 25.5     |  |
| 25      | 29 | 30 | 0.3              | IR25x29x30   | 39.3     |  |
| 25      | 30 | 13 | 0.3              | IR25x30x12.5 | 20.0     |  |
| 25      | 30 | 16 | 0.3              | IR25x30x15.5 | 23.2     |  |

| Rozmery |    |    |                  | Označenie    | Hmotnosť |  |
|---------|----|----|------------------|--------------|----------|--|
| d       | F  | D  | r <sub>min</sub> |              | g        |  |
| mm      |    |    |                  |              |          |  |
| 25      | 30 | 17 | 0.3              | IR25x30x16.5 | 26.7     |  |
| 25      | 30 | 17 | 0.3              | • IR25x30x17 | 27.5     |  |
| 25      | 30 | 18 | 0.3              | IR25x30x18   | 29.8     |  |
| 25      | 30 | 20 | 0.3              | IR25x30x20   | 32.6     |  |
| 25      | 30 | 21 | 0.3              | IR25x30x20.5 | 33.5     |  |
| 25      | 30 | 27 | 0.3              | IR25x30x26.5 | 43.3     |  |
| 25      | 30 | 30 | 0.3              | IR25x30x30   | 50.1     |  |
| 25      | 30 | 32 | 0.3              | IR25x30x32   | 53.0     |  |
| 25      | 30 | 39 | 0.3              | IR25x30x38.5 | 63.8     |  |
| 30      | 35 | 13 | 0.3              | IR30x35x12.5 | 23.3     |  |
| 30      | 35 | 13 | 0.3              | IR30x35x13   | 25.0     |  |
| 30      | 35 | 16 | 0.3              | IR30x35x16   | 30.8     |  |
| 30      | 35 | 17 | 0.3              | IR30x35x17   | 32.3     |  |
| 30      | 35 | 18 | 0.3              | • IR30x35x18 | 35.3     |  |
| 30      | 35 | 20 | 0.3              | IR30x35x20   | 40.0     |  |
| 30      | 35 | 21 | 0.3              | IR30x35x20.5 | 40.7     |  |
| 30      | 35 | 26 | 0.3              | IR30x35x26   | 50.3     |  |
| 30      | 35 | 30 | 0.3              | IR30x35x30   | 58.9     |  |
| 35      | 40 | 13 | 0.3              | IR35x40x12.5 | 27.2     |  |
| 35      | 40 | 17 | 0.3              | IR35x40x16.5 | 37.4     |  |
| 35      | 40 | 17 | 0.3              | IR35x40x17   | 38.4     |  |
| 35      | 40 | 20 | 0.3              | IR35x40x20   | 44.4     |  |
| 35      | 40 | 21 | 0.3              | IR35x40x20.5 | 46.1     |  |
| 35      | 40 | 30 | 0.3              | IR35x40x30   | 67.9     |  |
| 40      | 45 | 17 | 0.3              | IR40x45x16.5 | 41.4     |  |
| 40      | 45 | 17 | 0.3              | IR40x45x17   | 42.5     |  |
| 40      | 45 | 20 | 0.3              | IR40x45x20   | 50.5     |  |

| Rozmery |    |    |                  | Označenie    | Hmotnosť |
|---------|----|----|------------------|--------------|----------|
| d       | F  | D  | r <sub>min</sub> |              | g        |
| mm      |    |    |                  |              |          |
| 40      | 45 | 21 | 0.3              | IR40x45x20.5 | 52.5     |
| 40      | 45 | 30 | 0.3              | IR40x45x30   | 77.1     |
| 45      | 50 | 21 | 0.3              | IR45x50x20   | 57.0     |
| 45      | 50 | 26 | 0.3              | IR45x50x25.5 | 75.1     |
| 45      | 50 | 35 | 0.3              | IR45x50x35   | 101.0    |