

## Rollers CRPN-CRPA

Available individually in all sizes as eccentric or concentric rollers. Crowned roller for K-rail.

Roller seals: Standard 2Z (2ZR for size 63) is the steel cover disc, which is supplied on all standard sliders.

For dusty environment and splash-proof applications, 2RS rubber seal rollers are available.

Rollers are lubricated for life.

Dimensions in mm.

**Material:** Steel 100Cr6. Also available in stainless steel AISI 440.



## General Data

| Designation  | Size | Roller type | Material        |
|--------------|------|-------------|-----------------|
| CRPN43-2Z    | 43   | Concentric  | Steel           |
| CRXPNX43-2RS | 43   | Concentric  | Stainless steel |
| CRPA43-2Z    | 43   | Eccentric   | Steel           |
| CRXPAX43-2RS | 43   | Eccentric   | Stainless steel |
| CRPN63-2ZR   | 63   | Concentric  | Steel           |
| CRXPNX63-2RS | 63   | Concentric  | Stainless steel |
| CRPA63-2ZR   | 63   | Eccentric   | Steel           |
| CRXPAX63-2RS | 63   | Eccentric   | Stainless steel |

## Dimensions

### Version

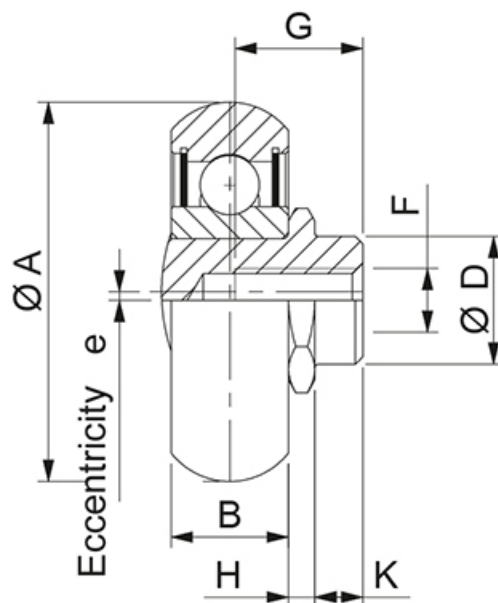
#### Crowned (K-rail)

#### CRPN

#### Concentric roller

#### CRPA

#### Eccentric roller

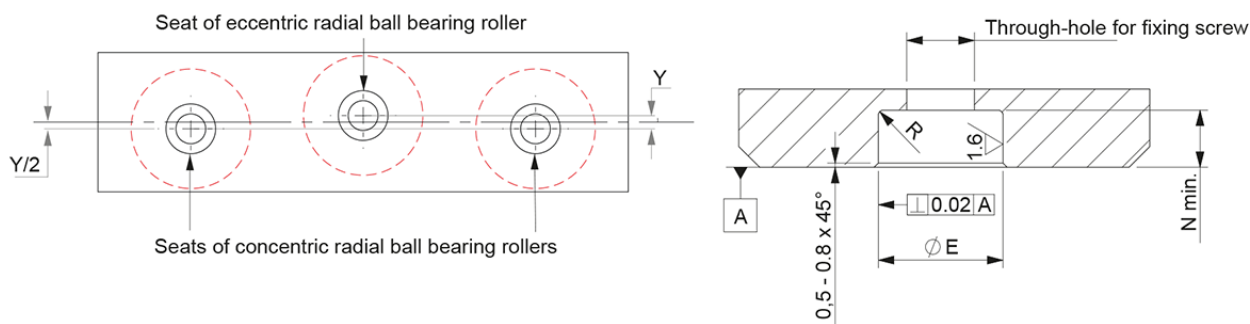


| Designation  | A    | B    | D  | e   | H   | G  | F   | K   |
|--------------|------|------|----|-----|-----|----|-----|-----|
| CRPN43-2Z    | 35.6 | 11   | 12 | -   | 2.5 | 12 | M6  | 4.5 |
| CRXPNX43-2RS | 35.6 | 11   | 12 | -   | 2.5 | 12 | M6  | 4.5 |
| CRPA43-2Z    | 35.6 | 11   | 12 | 0.8 | 2.5 | 12 | M6  | 4.5 |
| CRXPAX43-2RS | 35.6 | 11   | 12 | 0.8 | 2.5 | 12 | M6  | 4.5 |
| CRPN63-2ZR   | 49.7 | 17.5 | 18 | -   | 2.3 | 16 | M8  | 6   |
| CRXPNX63-2RS | 49.7 | 17.5 | 18 | -   | 2.3 | 16 | M8  | 6   |
| CRPA63-2ZR   | 49.7 | 17.5 | 18 | 1.2 | 2.3 | 16 | M10 | 6   |
| CRXPAX63-2RS | 49.7 | 17.5 | 18 | 1.2 | 2.3 | 16 | M10 | 6   |

## Load & Weight

| Designation  | C (N) | C0rad (N) | Weight (kg) |
|--------------|-------|-----------|-------------|
| CRPN43-2Z    | 6140  | 2550      | 0.06        |
| CRXPNX43-2RS | 6140  | 2550      | 0.06        |
| CRPA43-2Z    | 6140  | 2550      | 0.06        |
| CRXPAX43-2RS | 6140  | 2550      | 0.06        |
| CRPN63-2ZR   | 15375 | 5775      | 0.19        |
| CRXPNX63-2RS | 15375 | 5775      | 0.19        |
| CRPA63-2ZR   | 15375 | 5775      | 0.19        |
| CRXPAX63-2RS | 15375 | 5775      | 0.19        |

## Assembly Dimensions & Tolerances



When installing Radial ball bearing rollers on your own structure we advise:

- Using a maximum of 2 concentric radial ball bearing rollers.
- Offset the seats of the concentric radial ball bearing rollers with respect to those of the eccentric radial ball bearing rollers according to the information below.

| Designation         | Y    | E               | N min. | Radius R |
|---------------------|------|-----------------|--------|----------|
| <b>CRPN43-2Z</b>    | 0.72 | 12 + 0.05/+0.02 | 5.5    | 1        |
| <b>CRXPNX43-2RS</b> | 0.72 | 12 + 0.05/+0.02 | 5.5    | 1        |
| <b>CRPA43-2Z</b>    | 0.72 | 12 + 0.05/+0.02 | 5.5    | 1        |
| <b>CRXPAX43-2RS</b> | 0.72 | 12 + 0.05/+0.02 | 5.5    | 1        |
| <b>CRPN63-2ZR</b>   | 0.55 | 18 + 0.02/-0.02 | 7      | 1        |
| <b>CRXPNX63-2RS</b> | 0.55 | 18 + 0.02/-0.02 | 7      | 1        |
| <b>CRPA63-2ZR</b>   | 0.55 | 18 + 0.02/-0.02 | 7      | 1        |
| <b>CRXPAX63-2RS</b> | 0.55 | 18 + 0.02/-0.02 | 7      | 1        |