# 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.


Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

# 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 |

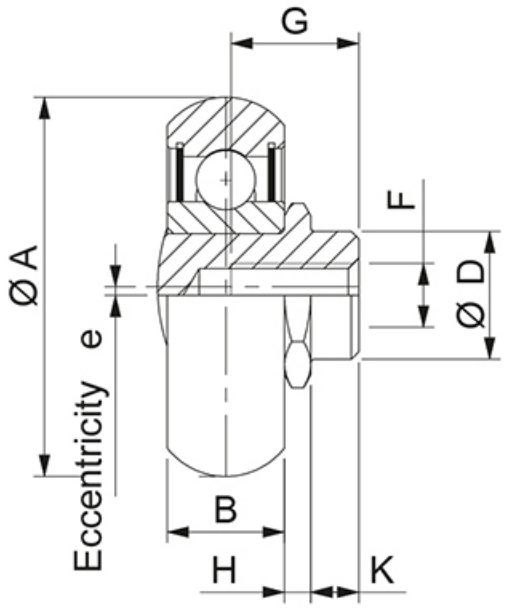

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# Dimensions

**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 |

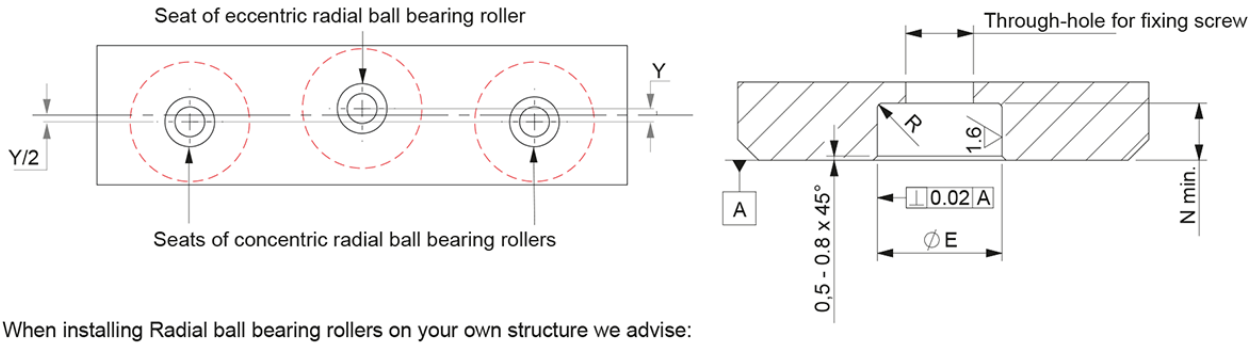

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# Load & Weight

| 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 |


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# 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 |
|---|---|---|---|---|
| **CRPN43-2Z** | 0.72 | 12 + 0.05/+0.02 | 5.5 | 1 |
| **CRXPNX43-2RS** | 0.72 | 12 + 0.05/+0.02 | 5.5 | 1 |
| **CRPA43-2Z** | 0.72 | 12 + 0.05/+0.02 | 5.5 | 1 |
| **CRXPAX43-2RS** | 0.72 | 12 + 0.05/+0.02 | 5.5 | 1 |
| **CRPN63-2ZR** | 0.55 | 18 + 0.02/-0.02 | 7 | 1 |
| **CRXPNX63-2RS** | 0.55 | 18 + 0.02/-0.02 | 7 | 1 |
| **CRPA63-2ZR** | 0.55 | 18 + 0.02/-0.02 | 7 | 1 |
| **CRXPAX63-2RS** | 0.55 | 18 + 0.02/-0.02 | 7 | 1 |


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