

ZCR

Racks

Technopolymer, pressure angle 20°



Main specifications

Material

Glass-fibre reinforced polyamide-based (PA) technopolymer, grey colour.

Standard executions

- **ZCR**: square section racks.
- **ZCR-A**: square section racks with steel core.
- **ZCR-PL**: racks with mounting bracket for mounting on a plane parallel to teeth.
- **ZCR-PD**: racks with mounting bracket for mounting on a plane perpendicular to teeth.
- **ZCR-T**: "T" shape racks.

General information

Features

The loads reported in the tables indicate the maximum load that can be applied on a single tooth.

The alignment between two or more racks is granted only for the execution ZCR-A with module 1.0 – 1.5 – 2.0 – 4.0.

Technical data

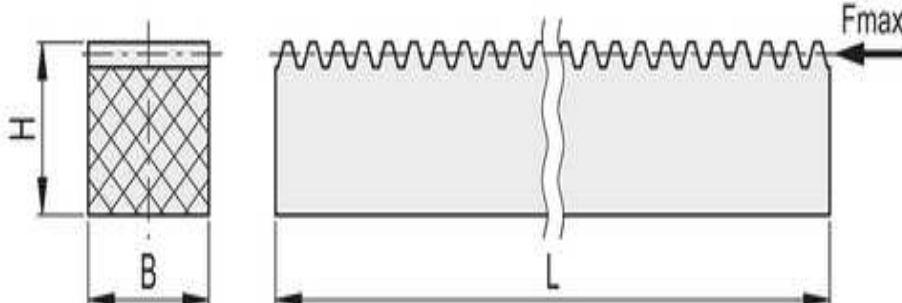
See: [Transmission elements](#).

Other executions

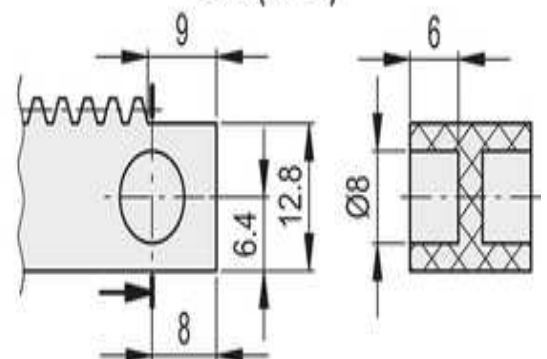
Special executions on request

Special lengths on request. On special lengths the meshing is not granted in case of alignment.

ZCR (M = 0.5)



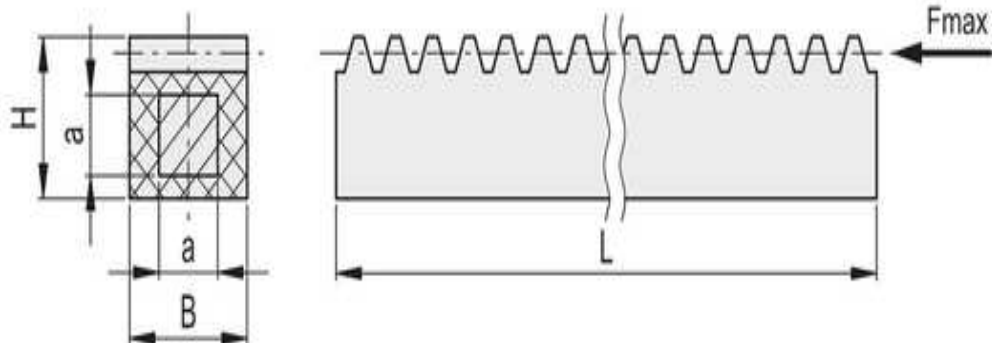
ZCR (M = 1)



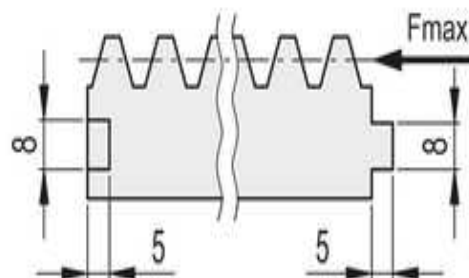
ZCR

| Code | Description | Module M | L | L# | B | H | Fmax [N] | Weight |
|---------------|-------------|----------|-----|-----|----|----|----------|--------|
| 552001 | ZCR-0.5-250 | 0.5 | 251 | 251 | 8 | 8 | 99 | 19 |
| 552011 | ZCR-1.0-150 | 1.0 | 166 | 156 | 15 | 15 | 372 | 49 |
| 552021 | ZCR-1.0-250 | 1.0 | 265 | 256 | 15 | 15 | 372 | 80 |

ZCR-A (M ≤ 3)

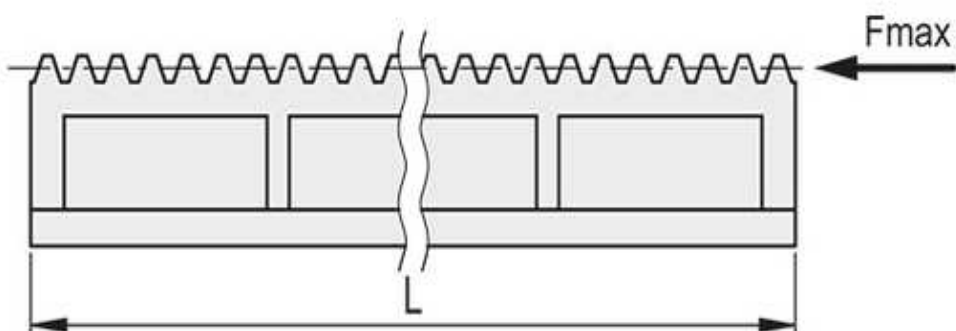
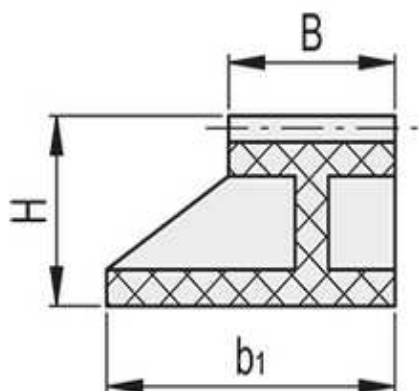


ZCR-A (M = 4)



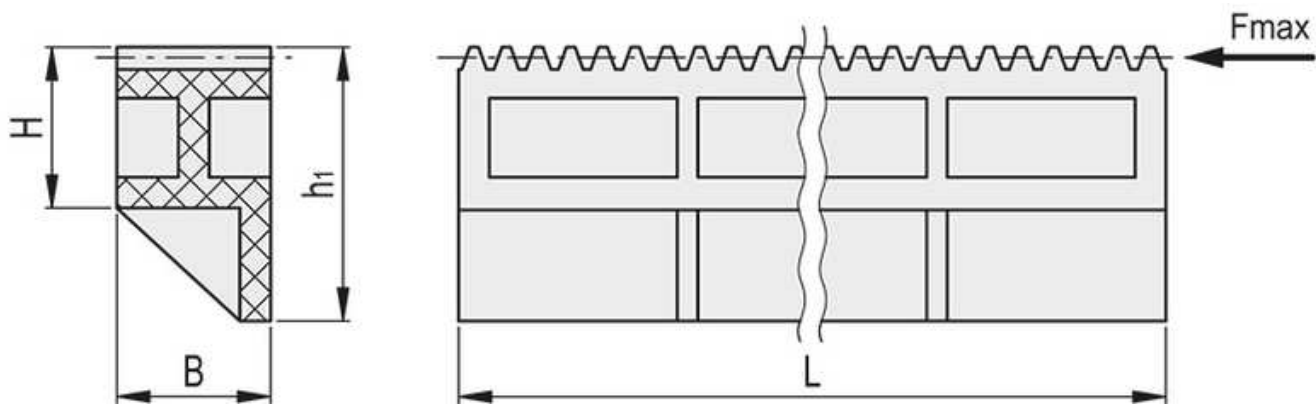
ZCR-A

| Code | Description | Module M | L | B | H | a | F _{max} [N] | Weight |
|--------|----------------|----------|------|----|----|---------|----------------------|--------|
| 552201 | ZCR-A-1.0-350 | 1.0 | 352 | 15 | 15 | 8 x 8 | 372 | 261 |
| 552211 | ZCR-A-1.5-250 | 1.5 | 250 | 17 | 17 | 8 x 8 | 633 | 190 |
| 552221 | ZCR-A-1.5-500 | 1.5 | 565 | 17 | 17 | 8 x 8 | 633 | 422 |
| 552231 | ZCR-A-2.0-250 | 2.0 | 251 | 20 | 20 | 10 x 10 | 993 | 275 |
| 552241 | ZCR-A-2.0-500 | 2.0 | 565 | 20 | 20 | 10 x 10 | 993 | 620 |
| 552251 | ZCR-A-3.0-250 | 3.0 | 254 | 30 | 30 | 15 x 15 | 2234 | 630 |
| 552261 | ZCR-A-3.0-500 | 3.0 | 500 | 30 | 30 | 15 x 15 | 2234 | 1260 |
| 552281 | ZCR-A-4.0-1000 | 4.0 | 1018 | 20 | 28 | 10 x 10 | 1986 | 1250 |



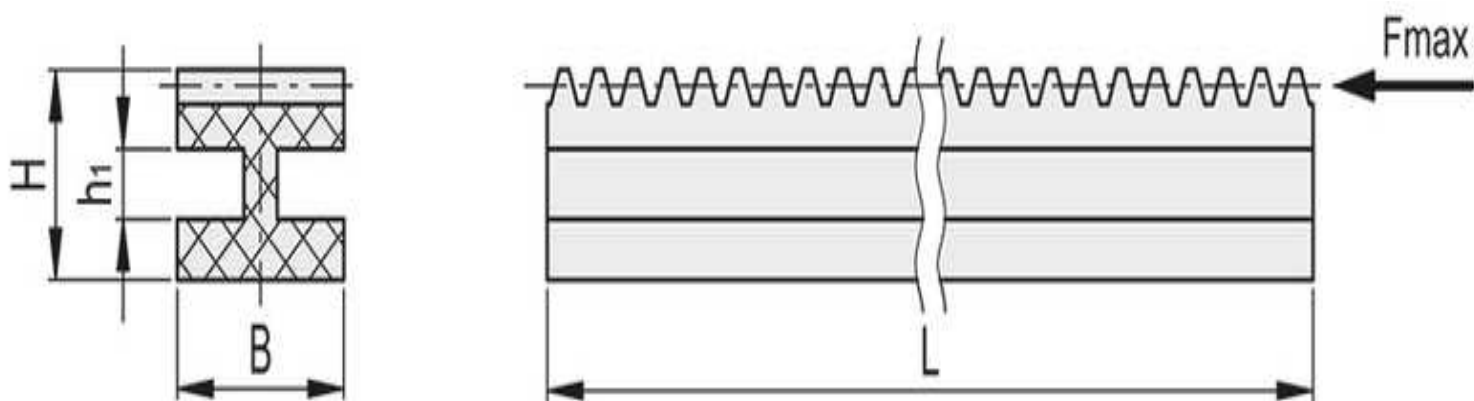
ZCR-PL

| Code | Description | Module M | L | B | H | b ₁ | F _{max} [N] | Weight |
|--------|----------------|----------|-----|----|------|----------------|----------------------|--------|
| 552101 | ZCR-1.0-150-PL | 1.0 | 151 | 15 | 15.5 | 25.5 | 372 | 36 |
| 552111 | ZCR-1.0-250-PL | 1.0 | 248 | 15 | 15.5 | 25.5 | 372 | 58 |



ZCR-PD

| Code | Description | Module M | L | B | H | h ₁ | F _{max} [N] | Weight |
|---------------|----------------|----------|-----|----|------|----------------|----------------------|--------|
| 552121 | ZCR-1.0-150-PD | 1.0 | 151 | 15 | 15.5 | 26.5 | 372 | 34 |
| 552131 | ZCR-1.0-250-PD | 1.0 | 248 | 15 | 15.5 | 26.5 | 372 | 55 |



ZCR-T

| Code | Description | Module M | L | B | H | h ₁ | F _{max} [N] | Weight |
|---------------|---------------|----------|-----|----|----|----------------|----------------------|--------|
| 552141 | ZCR-1.0-150-T | 1.0 | 151 | 15 | 13 | 4 | 372 | 26 |
| 552151 | ZCR-1.0-250-T | 1.0 | 248 | 15 | 13 | 4 | 372 | 42 |

Toothing length