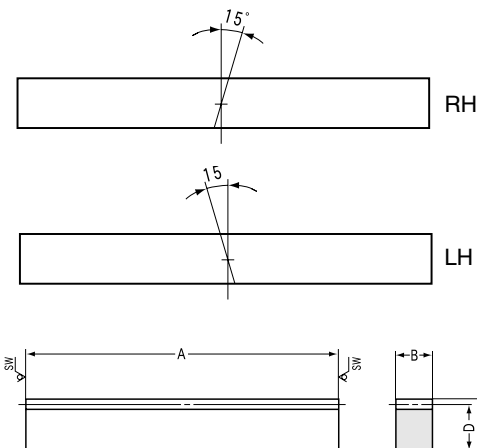
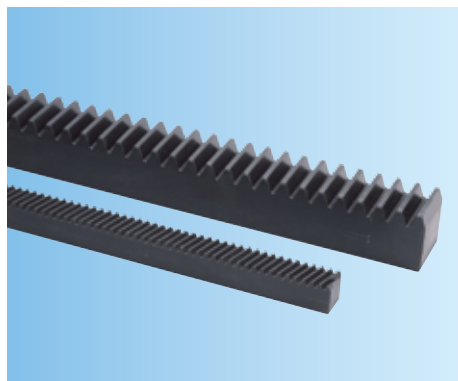




SRH Helical Racks Normal Modules 2~3



Specifications

| | |
|--|-------------------------|
| Precision grade | KHK R 001 grade 5 |
| Reference section of gear | Normal plane |
| Gear teeth | Standard full depth |
| Normal pressure angle | 20° |
| Helix angle | 15° |
| Material | S45C-D |
| Heat treatment | Stress relief annealing |
| Tooth hardness | Less than 95HRB |
| Surface treatment | Black oxide |
| Tooth surface finish | Cut |
| Datum reference surface for gear cutting | Bottom surface |
| Secondary Operations | Possible |

R1 Shape *SW is saw blade finish.

Modules 2~3

| Catalog No. | Normal module <i>m</i> | Direction of Helix <small>NOTE 1</small> | Total length | Face width | | Height | Height to pitch line | Effective No. of teeth | Shape | Allowable force (N) <small>NOTE 2</small> | | Allowable force (kgf) | |
|--------------------------|------------------------|--|--------------|------------|----|--------|----------------------|------------------------|-------|---|-----------|-----------------------|--------------------|
| | | | | A | B | | | | | C | D | Bending strength | Surface durability |
| SRH2- 500R SRH2- 500L | 2 | R L | 505 | 25 | 25 | 23 | 76 | R1 | 4714 | 1569 | (480.7) | (160) | |
| SRH3- 500R SRH3- 500L | 3 | R L | 505 | 35 | 35 | 32 | 50 | R1 | 9905 | 3518 | (1010) | (358.7) | |
| SRH2-1000R SRH2-1000L | 2 | R L | 1010 | 25 | 25 | 23 | 154 | R1 | 4714 | 1569 | (480.7) | (160) | |
| SRH3-1000R SRH3-1000L | 3 | R L | 1010 | 35 | 35 | 32 | 102 | R1 | 9905 | 3518 | (1010) | (358.7) | |

NOTE 1: Ordering the correct helix hand is important. For a right hand pinion, use a left hand rack and vice versa.

NOTE 2: The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please see page 155 for more details.

| Weight (kgf) | Catalog No. |
|--------------|--------------------------|
| 1.9 | SRH2- 500R SRH2- 500L |
| 3.8 | SRH3- 500R SRH3- 500L |
| 3.6 | SRH2-1000R SRH2-1000L |
| 7.6 | SRH3-1000R SRH3-1000L |