



| Specifications                      |                    |
|-------------------------------------|--------------------|
| Pressure Angle                      | 20°                |
| Hand of Helix                       | Right              |
| Helix Angle                         | 19°31'42"          |
| Material                            | C45                |
| Heat Treatment                      | -                  |
| Tooth Surface Treatment             | Induction Hardened |
| Tooth Surface Finish                | Ground             |
| Precision Grade                     | GB 6+              |
| Ends Machined for Continous Linking |                    |

| Racks #     | Module | L       | L1    | B  | H  | h  | No.of Teeth | l     | l1    | l2  | l3   | b1 | h1 | d1 | d2 | d3   | f | No.of Holes | ±f <sub>pt</sub> (μm) | F <sub>p</sub> (μm) | F <sub>p300</sub> (μm) | Weight (kg) |
|-------------|--------|---------|-------|----|----|----|-------------|-------|-------|-----|------|----|----|----|----|------|---|-------------|-----------------------|---------------------|------------------------|-------------|
| SR2-100RGB  | 2      | 1000.00 | 8.50  | 24 | 24 | 22 | 150         | 936.6 | 31.7  | 125 | 62.5 | 7  | 8  | 7  | 11 | 5.7  | 2 | 8           | 10                    | 60                  | 40                     | 4.10        |
| SR3-100RGB  | 3      | 1000.00 | 10.30 | 29 | 29 | 26 | 100         | 930.0 | 35.0  | 125 | 62.5 | 9  | 9  | 10 | 15 | 7.7  | 2 | 8           | 10                    | 60                  | 40                     | 5.90        |
| SR4-100RGB  | 4      | 1000.00 | 13.80 | 39 | 39 | 35 | 75          | 933.4 | 33.3  | 125 | 62.5 | 9  | 12 | 10 | 15 | 7.7  | 3 | 8           | 14                    | 60                  | 40                     | 10.70       |
| SR5-100RGB  | 5      | 1000.00 | 17.40 | 49 | 39 | 34 | 60          | 925.0 | 37.5  | 125 | 62.5 | 13 | 12 | 14 | 20 | 11.7 | 3 | 8           | 14                    | 60                  | 40                     | 13.00       |
| SR6-100RGB  | 6      | 1000.00 | 20.90 | 59 | 49 | 43 | 50          | 925.0 | 37.5  | 125 | 62.5 | 17 | 16 | 18 | 26 | 15.7 | 3 | 8           | 14                    | 60                  | 40                     | 18.10       |
| SR8-100RGB  | 8      | 960.00  | 28.00 | 79 | 79 | 71 | 36          | 720.0 | 120.0 | 120 | 60.0 | 21 | 25 | 22 | 33 | 19.7 | 3 | 8           | 16                    | 60                  | 40                     | 42.50       |
| SR10-100RGB | 10     | 1000.00 | 35.11 | 99 | 99 | 89 | 30          | 750.0 | 125.0 | 125 | 62.5 | 32 | 32 | 33 | 48 | 19.7 | 3 | 8           | 16                    | 60                  | 40                     | 68.72       |

- Note: 1. ±f<sub>pt</sub>: Single pitch deviation.  
 2. F<sub>p</sub>: Total cumulative pitch deviation.  
 3. F<sub>p300</sub>: Total Pitch Error, i.e. The maximum permissible deviation (per 300mm) of measured length of the rack compared to the theoretical length L<sub>300</sub>.  
 4. GB 6+ means the prcision grade of racks are better than GB 6.