Quality 9 – 90° Version

Total pitch error $\frac{GT_f}{1000} \leq 0.150$ mm.

- Milled teeth
- Material C45
- Bright steel

Mounting racks see page ZF-2.

To achieve precision rack joints, we recommend our patented rack assembly kit, see page ZF-4.

For lubrication of racks & pinions, we recommend our automatic lubrication systems, see page ZE-1.

For the calculation and selection of the rack & pinion drive, see page ZD-1.
Quality 9 – 180° Version

To achieve precision rack joints, we recommend our patented rack assembly kit, see page ZF-4.

Mounting racks see page ZF-2.

To achieve precision rack joints, we recommend our patented rack assembly kit, see page ZF-4.

For lubrication of racks & pinions, we recommend our automatic lubrication systems, see page ZE-1.

For the calculation and selection of the rack & pinion drive, see page ZD-1.

| Order Code | Module | \( L_1 \) | \( L_2 \) | \( N^* \) of Teeth | \( b \) | \( h_k \) | \( h_0 \) | \( f \) | \( a \) | \( l \) | \( N^* \) of Holes | \( h \) | \( d_1 \) | \( d_2 \) | \( t \) | \( a_1 \) | \( m_3 \) | \( h_3 \) | \( t_3 \) |
|------------|--------|--------|--------|-----------------|------|-------|-------|-----|-----|-----|-----------------|------|-------|-------|-----|-----|-------|-------|
| 49 29 202  | 2      | 1920   | 7.1    | 288            | 20   | 19.50 | 17.50 | 1   | 10  | 60  | 32               | 7.5  | 5.8   | 10    | 6   | 30  | M4    | 7.5  | 8.0  | 5.4  |
| 49 29 212  | 2      | 1920   | 8.9    | 288            | 25   | 24.50 | 22.50 | 1   | 10  | 60  | 32               | 10.0 | 7.0   | 11    | 7   | 30  | M5    | 10.0 | 11.0 | 8.4  |
| 49 39 202  | 3      | 1920   | 10.6   | 192            | 30   | 29.75 | 26.75 | 2   | 10  | 60  | 32               | 11.5 | 10.0  | 15    | 9   | 30  | M6    | 11.5 | 13.5 | 11.2 |
| 49 49 202  | 4      | 1920   | 14.2   | 144            | 40   | 39.75 | 35.75 | 2   | 20  | 80  | 24               | 14.0 | 12.0  | 18    | 12  | 40  | M8    | 14.0 | 16.0 | 21.5 |

Total pitch error \( GT_{1/1000} \leq 0.150 \) mm.

- Milled teeth
- Material C45
- Bright steel

Dimensions in mm