| Symbol | Description | |
|---|---|---|
| | **Bevel Evaluation Symbols** | Topo |
| fb | Spiral angle | |
| fa | Pressure angle | |

| Symbol | Description | |
|---|---|---|
| $F_p$ | Accumulative pitch error (Total Index Error) | Index |
| $f_p$ | Pitch variation (adjacent pitch error) (Tooth to tooth index error) | |
| $f_u$ | Spacing variation (Difference between any two adjacent measurements of spacing) | |
| $F_r$ | Runout (Reported perpendicular to the Pitch cone angle) | |
| $F_{rsn}$ | Single flank runout | |

| Symbol | Description | |
|---|---|---|
| | **Involute Evaluation Symbols** | Involute Report Header |
| z | Number of teeth | |
| mn | Normal module (metric) = Pitch diameter / number of teeth | |
| x | Modification factor | |
| $d_b$ | Base Diameter | |
| $\alpha n$ | Normal pressure angle | |
| $\beta$ | Helix angle | |
| b | Face width | |
| $D_f/D_a$ | Root and tip diameter | |
| $b_u/b_o$ | Lead measuring length | |

| Symbol | Description | |
|---|---|---|
| $Q_n$ | Quality class nominal | General |
| $Q_a$ | Quality class achieved | |
| […] | Tolerance value | |

| Symbol | Description | |
|---|---|---|
| $F_\alpha$ | Total profile deviation | Profile/Lead dev. |
| $f_{f\alpha}$ | Profile form devaition | |
| $f_{H\alpha}$ | Profile slope deviation | |
| $F_\beta$ | Total helix deviation | |
| $f_{f\beta}$ | Helix form deviations | |
| $f_{H\beta}$ | Helix slope deviation | |



| Symbol | Description | |
|---|---|---|
| $f_p$ | Pitch variation (adjacent pitch error) (Tooth to tooth index error) | Pitch |
| $R_p$ | Pitch variation Range | |
| $F_p$ | Accumulative pitch error (Total Index Error) | |
| $f_u$ | Spacing variation (Difference between any two adjacent measurements of spacing) | |

| Symbol | Description | |
|---|---|---|
| $R_s$ | Range | Circular tooth thickness |
| $A_{smax}$ | Max deviation | |
| sm | Average deviation | |
| smin | Minimum deviation | |
| $S_{smax}$ | Maximum actual | |
| sm | Average actual | |
| smin | Minimum actual | |

| Symbol | Description |
|---|---|
| $F_r$ | Runout |
| $f_e$ | Eccentricity |

| Symbol | Description |
|---|---|
| $M_{dK}$ | Average dimension over balls |
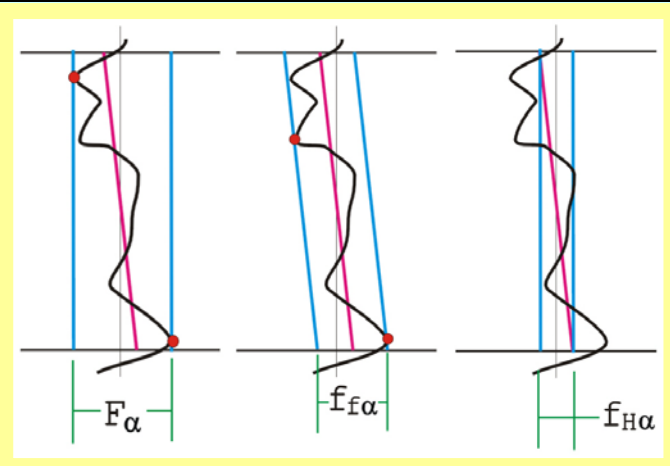
GEARPRO
© Carl Zeiss Oberkochen
ZEISS