

Genauigkeit

Accuracy

Tabelle / Table 338.1

| Baugröße | Untersetzung | Übertragungsgenauigkeit | Wiederholgenauigkeit | Hystereseverlust | Lost Motion |
|----------|--------------|-------------------------|----------------------|------------------|-------------|
| Size | Ratio | Transmission Accuracy | Repeatability | Hysteresis Loss | Lost Motion |
| | | [arcsec] | [arcsec] | [arcmin] | [arcmin] |
| 8 | 30 | 150 | ± 6 | < 3 | < 1 |
| | 50 | 120 | | < 3 | |
| | 100 | 120 | | < 2 | |
| 11 | 30 | 120 | ± 6 | < 3 | |
| | 50 | 90 | | < 2 | |
| | 100 | 90 | | < 2 | |
| 14 | 30 | 120 | ± 6 | < 3 | |
| | 50 | 90 | | < 2 | |
| | 100 | 90 | | < 2 | |

Torsionssteifigkeit

Torsional Stiffness

Tabelle / Table 338.2

| Baugröße / Size | | 8C | 11C | 14C |
|-----------------|-------------------------|------|------|------|
| i = 30 | T ₁ [Nm] | 0,29 | 0,8 | 2 |
| | T ₂ [Nm] | 0,75 | 2 | 6,9 |
| | K ₃ [Nm/rad] | 540 | 1600 | 3400 |
| | K ₂ [Nm/rad] | 440 | 1300 | 2400 |
| i = 50 | K ₁ [Nm/rad] | 340 | 840 | 1900 |
| | K ₃ [Nm/rad] | 840 | 3200 | 5700 |
| | K ₂ [Nm/rad] | 670 | 3000 | 4700 |
| i = 100 | K ₁ [Nm/rad] | 440 | 2200 | 3400 |
| | K ₃ [Nm/rad] | 1200 | 4400 | 7100 |
| | K ₂ [Nm/rad] | 1000 | 3400 | 6100 |
| | K ₁ [Nm/rad] | 910 | 2700 | 4700 |

Siehe „Erläuterungen zu Technischen Daten“ im Kapitel „Projektierung mit Harmonic Drive Servoantrieben“.

Please refer to the notes on "Understanding the Technical Data" in section "Engineering Data for Harmonic Drive Servo Actuators".