

STIRNRAD
GEAR

	außenverzahnt external	Toleranzen der Verzahnung (DIN 3961 vom Aug. 1978) gültig für Werte am Einzelzahn Tolerances of gearing (DIN 3961 of Aug. 1978) valid for values at individual tooth			
Zähnezahl Number of teeth	19	linke Fl. left flank	rechte Fl. right flank		
Modul Normal module	2.300000	Profil-Formabweichung Profile form error	f_{fa}	Eingriffsteilungs-Abweich. Normal pitch error	f_{po}
Eingriffswinkel Normal pressure angle	20° 0' 0"	Profil-Gesamtabweichung Total profile error	F_a	Teilungs-Einzelabweichung Adjacent pitch error	f_p
Schälungswinkel Helix angle	30° 0' 0"	Profil-Winkelabweichung Profile angle error	f_{fa}	Teilungssprung Diff. bet. adjacent pitches	f_u
Steigungsrichtung Hand of helix	LEFT	Flankenl.-Winkelabweichung Tooth alignment error	f_{hp}	Teilungs-Summenabweichung Cumulative circ. pitch error	F_{pk}
Profilverschiebungsfaktor Addendum modification coeff.	x	Flankenl.-Gesamtabweichung Total alignment error	F_p	Rundlaufabweichung Radial run-out	F_r
Teilkreisdurchmesser Pitch diameter	50.460	Flankenl.-Formabweichung Longitudinal alignment err.	f_{fp}	Zahndickenschwankung Range of tooth thicken. error	R_s
Kopfkreisdurchmesser Outside diameter	59.00 -0.26	Teilungs-Gesamtabweichung Cumulative pitch error	F_p		
Kopfnutzkreis Tip diam. usable theo.	58.70	Einfl.-Wälzabweichung Tangential composite error	F_r	Zweifl.-Wälzabweichung Radial composite error	F_r
Kopfnutzkreis Tip diam. usable theo.	58.23	Einflanken-Wälzabweichung Tang. tooth to tooth comp. err.	f_r	Zweifl.-Wälzabweichung Radial tooth to tooth comp. err.	f_r
Teilkreis Pitch diameter	44.90 -0.45	Radbreite im Meßkreis Facewidth in meas. diam.	b	Meßkreis Krümmungsradius Radius of curvature meas. diam.	r_{pm}
Teilkreis Pitch diameter	47.73				
Grundkreisradius Base circle radius	23.260				
Grundkreisradius Base circle radius	46.519				
Normalzahnstärke Normal tooth thickness	4.617				
Normalzahnstärke Normal tooth thickness	4.587				
Meßzähnezahl Number of teeth spanned	5				
Zahnweite Base tangent length	32.419				
Zahnweite Base tangent length	32.391				
Meßkugeldurchmesser Ball diameter	3.5000				
Diam. Zweikugelmäß Measurement o. balls	56.486				
Diam. Zweikugelmäß Measurement o. balls	56.421				
Verdrehflankenspiel Circumferential backlash	0.073				
	0.173				

(8)

Hand of helix

Normal pressure angle

Helix angle

Tip diam. usable theo.

Tip diam. usable theo.

Facewidth in meas. diam.

Radius of curvature meas. diam.

Range of tooth thicken. error

Radial composite error

Radial tooth to tooth comp. err.

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