

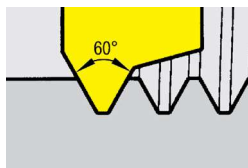


FRÄSSYSTEME
MILLING SYSTEMS

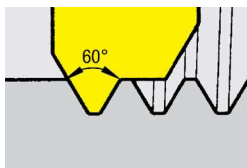
2020/2021



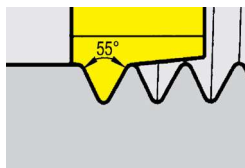
**DAS WERKZEUG
HORN TOOLS**



Teilprofil
Partial profile



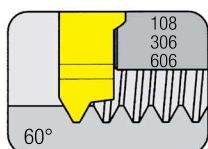
Vollprofil
Full profile



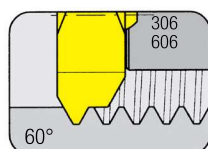
Vollprofil
Full profile

M306

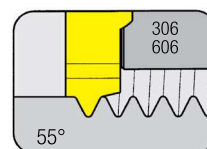
Ds Ø 9,6/9,7/11,7 mm
Frärschaft G4
Milling shank



Teilprofil/Partial profile
Seite / Page G6-G7, G10



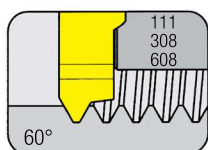
Vollprofil/Full profile
Seite / Page G8; G11



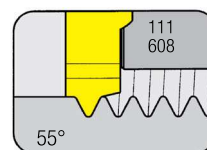
Vollprofil/Full profile
Seite / Page G9, G12

M308

Ds Ø 13,4/15,7 mm
Frärschaft G16
Milling shank



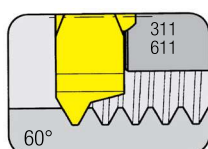
Teilprofil/Partial profile
Seite / Page G18, G20-G21



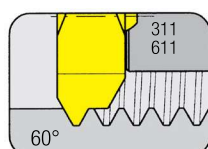
Vollprofil/Full profile
Seite / Page G19, G22

M311

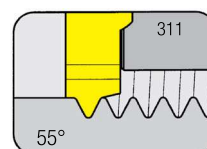
Ds Ø 17,7 mm
Frärschaft G26
Milling shank



Teilprofil/Partial profile
Seite / Page G28, G31



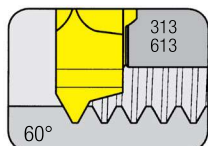
Vollprofil/Full profile
Seite / Page G29, G32



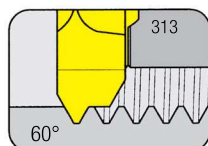
Vollprofil/Full profile
Seite / Page G30

M313

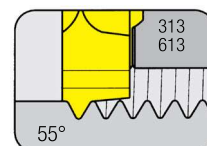
Ds Ø 21,7 mm
Frärschaft G36-G37
Milling shank



Teilprofil/Partial profile
Seite / Page G39, G42



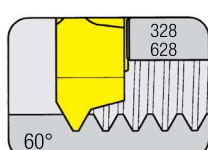
Vollprofil/Full profile
Seite / Page G40



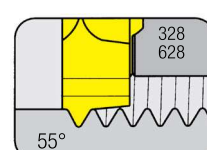
Vollprofil/Full profile
Seite / Page G41, G43

M328/SM328

Ds Ø 27,7 mm
Frärschaft G46-G48
Milling shank



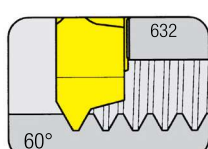
Teilprofil/Partial profile
Seite / Page G50, G52



Vollprofil/Full profile
Seite / Page G51, G53

M332

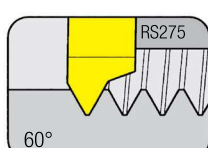
Ds Ø 31,7 mm
Frärschaft G56
Milling shank



Teilprofil/Partial profile
Seite / Page G58

M275

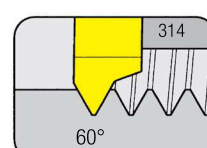
Ds Ø 31/38/48/58 mm
Frärschaft G62-G63
Milling shank



Teilprofil/Partial profile
Seite / Page G65

380

Ds Ø 44/63 mm
Fräser G68-G69
Milling tools



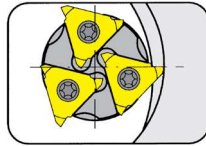
Teilprofil/Partial profile
Seite / Page G71

Gewindefräsen (innen)

Thread Milling (internal)

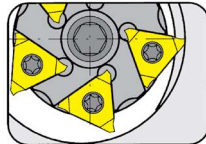


Frälerschaft
Milling shank
380



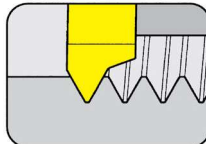
Seite/Page
G68

Messerkopf
Milling cutter
380



Seite/Page
G69

Wendeschnidplatte
Indexable insert
314



Seite/Page
G71

G

380



G

**Gewindefräser
(zirkular)**

ab Schneidkreis Ø 44 mm

**Thread Milling Cutter
(by circular interpolation)**

from cutting edge Ø 44 mm

Gewindefräsen (innen)

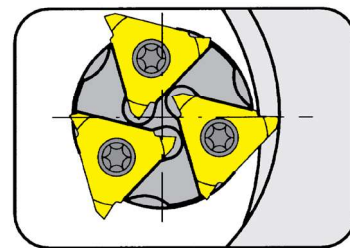
Thread Milling (internal)



Frärschaft

Milling shank

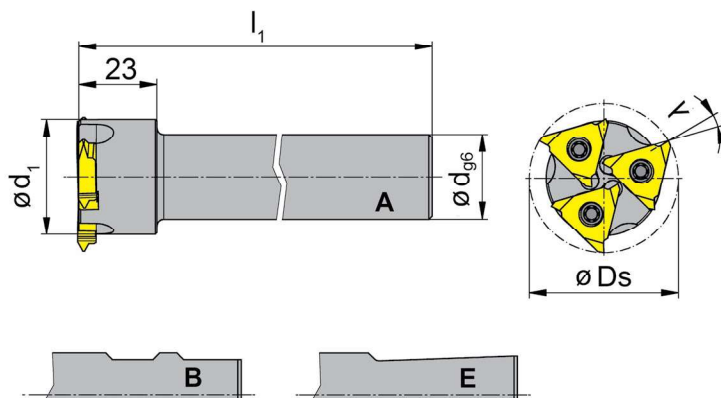
380



Schneidkreis-Ø

Cutting edge Ø

44 mm



für Wendeschneidplatte
for Indexable insert

Typ 314
Type

G

Abbildung = rechtsschneidend
Picture = right hand cutting version

Bestellnummer Part number	Z	Ds	d	l ₁	d ₁	t _{max}	λ	Form Form
380.0044.03A	3	44	25	125	34	4	14°	A
380.0044.03B	3	44	25	125	34	4	14°	B
380.0044.03E	3	44	25	125	34	4	14°	E

Weitere Baugrößen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specification of the screw, please see Technical Instructions.

Ersatzteile

Spare Parts

Frärschaft Milling shank	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
380...	5.12T20P	T20PQ

Gewindefräsen (innen)

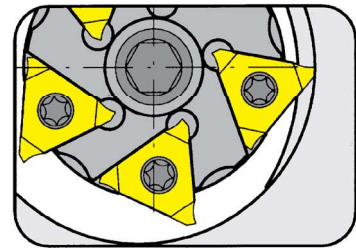
Thread Milling (internal)



Messerkopf

Milling cutter

380



Schneidkreis-Ø

Cutting edge Ø

63 mm

Aufnahmebohrung und Mitnahme nach DIN 138
Cutterhole and cross keyway as per DIN 138

für Wendeschnidplatte
for Indexable insert

Typ 314
Type

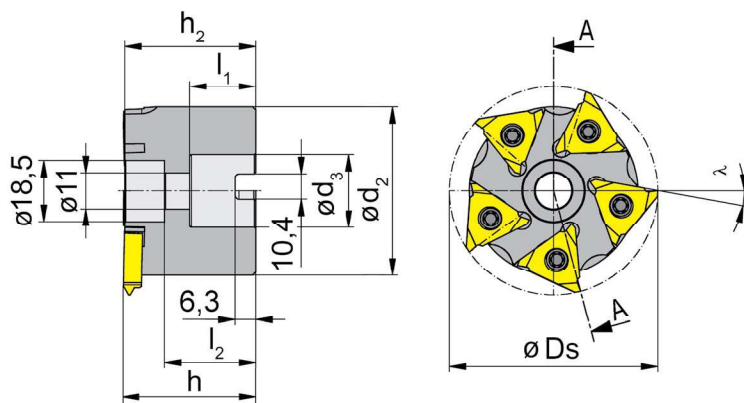


Abbildung = rechtsschneidend
Picture = right hand cutting version

Bestellnummer Part number	Z	Ds	t _{max}	h ₂	h	d ₃	l ₁	l ₂	λ	d ₂
380.0063.05	5	63	5	39,6	40	22	20	27,6	10°	51

Weitere Baugrößen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specification of the screw, please see Technical Instructions.

Ersatzteile

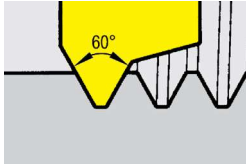
Spare Parts

Messerkopf Milling cutter	Spannschraube Clamping Screw	Schraube Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Unterlegscheibe Washer
380.0063.05	5.12T20P	10.25.912	T20PQ	10.5.433

Auswahl für Gewinde-Schneidplatten Typ 314

Selection for thread inserts type

Teilprofil, metrisch Typ 314
Partial profile, metric type 314



Steigung/Pitch P	1,5	2,0	2,5	3,0	4,0	5,0	5,5	6,0
Nenndurchmesser / Nominal diameter								
Typ / type 314 / Ds 44								
R314.1535.01	≥ 52	≥ 50	≥ 50	≥ 50				
R314.2140.01					≥ 72			
R314.3260.01								≥ 85
R314.4060.01					≥ 65		≥ 56	≥ 64
Typ / type 314 / Ds 63								
R314.1535.01	≥ 72	≥ 70	≥ 70	≥ 70				
R314.2140.01					≥ 95			
R314.3260.01								≥ 110
R314.4060.01					≥ 88			≥ 80

Gewindefräsen (innen) Teilprofil

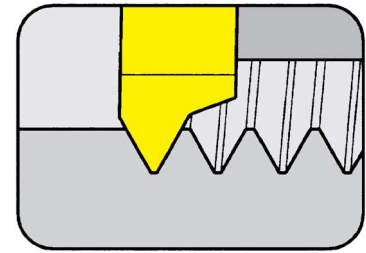
Thread Milling (internal) Partial profile



Wendeschneidplatte

Indexable insert

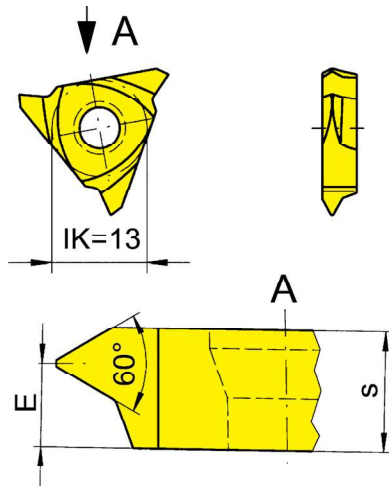
314



Steigung
Schneidkreis-Ø

Pitch
Cutting edge Ø

1,5-6 mm
44 / 63 mm



für Frälerschaft
for Milling shank

Typ 380
Type

Metrisches ISO-Gewinde
Metric ISO thread

Abbildung = rechtsschneidend
Picture = right hand cutting version

Bestellnummer Part number	P	P _{max}	E	s	Ds	TN35
R314.1535.01	1,5	3,5	3,3	5,45	44	▲
R314.2140.01	4,0	4,0	3,0	5,45	44	▲
R314.4060.01	4,0	6,0	2,7	5,45	44	▲
R314.3260.01	6,0	6,0	2,7	5,45	63	▲

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks x auf Anfrage / upon request

● empfohlen / recommended

o bedingt einsetzbar / alternative recommendation

- nicht geeignet / not suitable

unbeschichtete HM-Sorten / uncoated grades

beschichtete HM-Sorten / coated grades

bestückt/Cermet / brazed/Cermet

Abmessungen in mm

Dimensions in mm

Hinweis:

R314.3260.01 ausschließlich für Messerkopf 380.0063.05

Note:

R314.3260.01 only for milling cutter 380.0063.05

P	•
M	•
K	•
N	•
S	•
H	-

HM-Sorten
Carbide grades

G