

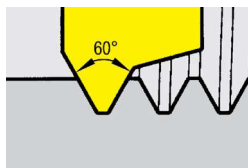


FRÄSSYSTEME
MILLING SYSTEMS

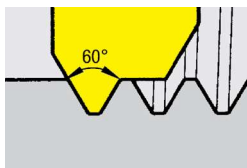
2020/2021



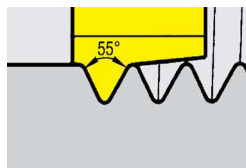
**DAS WERKZEUG
HORN TOOLS**



Teilprofil
Partial profile



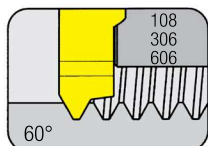
Vollprofil
Full profile



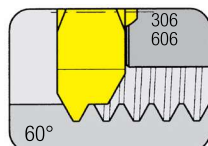
Vollprofil
Full profile

M306

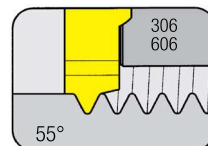
Ds Ø 9,6/9,7/11,7 mm
Frärschaft G4
Milling shank



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



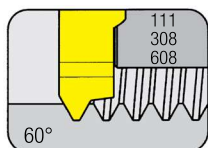
Vollprofil/Full profile
Seite / Page G8; G11



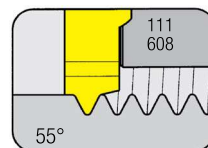
Vollprofil/Full profile
Seite / Page G9, G12

M308

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



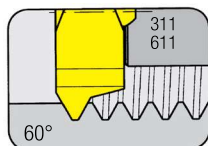
Teilprofil/Partial profile
Seite / Page G18, G20-G21



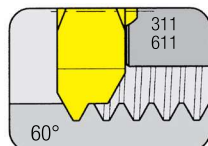
Vollprofil/Full profile
Seite / Page G19, G22

M311

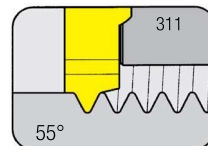
Ds Ø 17,7 mm
Frärschaft G26
Milling shank



Teilprofil/Partial profile
Seite / Page G28, G31



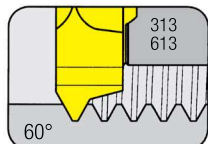
Vollprofil/Full profile
Seite / Page G29, G32



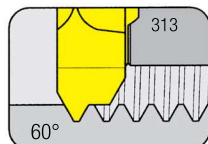
Vollprofil/Full profile
Seite / Page G30

M313

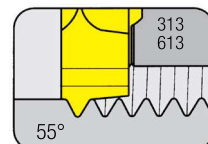
Ds Ø 21,7 mm
Frärschaft G36-G37
Milling shank



Teilprofil/Partial profile
Seite / Page G39, G42



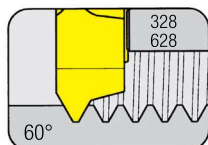
Vollprofil/Full profile
Seite / Page G40



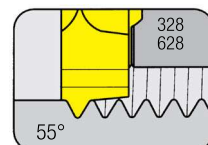
Vollprofil/Full profile
Seite / Page G41, G43

M328/SM328

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



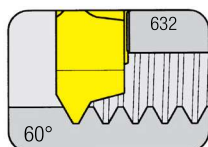
Teilprofil/Partial profile
Seite / Page G50, G52



Vollprofil/Full profile
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M332

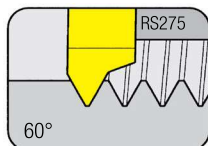
Ds Ø 31,7 mm
Frärschaft G56
Milling shank



Teilprofil/Partial profile
Seite / Page G58

M275

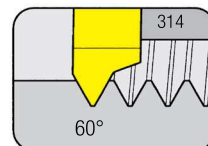
Ds Ø 31/38/48/58 mm
Frärschaft G62-G63
Milling shank



Teilprofil/Partial profile
Seite / Page G65

380

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



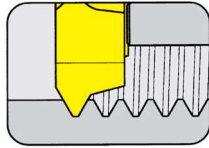
Teilprofil/Partial profile
Seite / Page G71

Gewindefräsen (innen)

Thread Milling (internal)

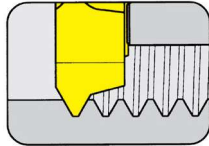


Fräaserschaft
Milling shank
M332



Seite/Page
G56

Schneidplatte
Insert
632



Seite/Page
G58

G

M332



G

**Gewindefräser
(zirkular)**

ab Schneidkreis Ø 31,7 mm

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

from cutting edge Ø 31,7 mm

Gewindefräsen (innen)

Thread Milling (internal)



Fräaserschaft

Milling shank

M332

mit innerer Kühlmittelzufuhr
with through coolant supply

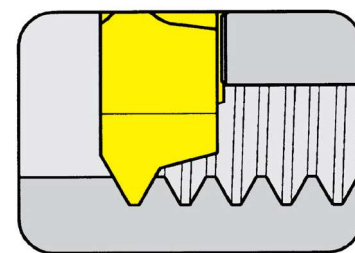
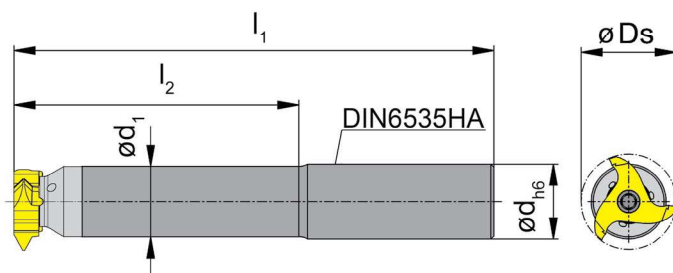
Schneidkreis-Ø

Cutting edge Ø

31,7 mm

Schaftmaterial: Hartmetall (schwingungsarm)

Material of shank: Carbide - Giving a good vibration resistance



für Schneidplatte
for Insert

Typ 632
Type

Abbildung = rechtsschneidend
Picture = right hand cutting version

Bestellnummer Part number	d	l ₁	l ₂	d ₁	Form Form
M332.2325.06A	25	160	95	23,5	A
M332.2325.07A	25	180	115	23,5	A
M332.2325.08A	25	200	135	23,5	A
M332.2325.09A	25	250	185	23,5	A

Weitere Abmessungen auf Anfrage
Further sizes upon request

Ds siehe Schneidplatten
Ds see inserts

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Fräaserschäfte mit beschädigter Schneidplattenaufnahme können durch unseren Reparaturservice instand gesetzt werden.

Ordering note:

Milling cutter shanks with damaged seating can be repaired by HORN.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specification of the screw, please see Technical Instructions.

Ersatzteile

Spare Parts

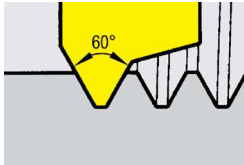
Fräaserschaft Milling shank	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
M332...	5.17T20P	T20PQ

Auswahl für Gewinde-Schneidplatten

Selection for thread inserts

Teilprofil, metrisch Typ 632

Partial profile, metric type 632



Steigung/Pitch P	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0
Nenndurchmesser / Nominal diameter								
Typ / type 632 / Ds 31,7								
632.2545.01	≥ 42	≥ 42	≥ 46	≥ 42	≥ 42			
632.4060.01				≥ 46	≥ 46	≥ 46	≥ 46	≥ 46

Gewindefräsen (innen) Teilprofil

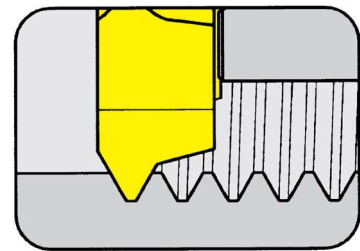
Thread Milling (internal) Partial profile



Schneidplatte

Insert

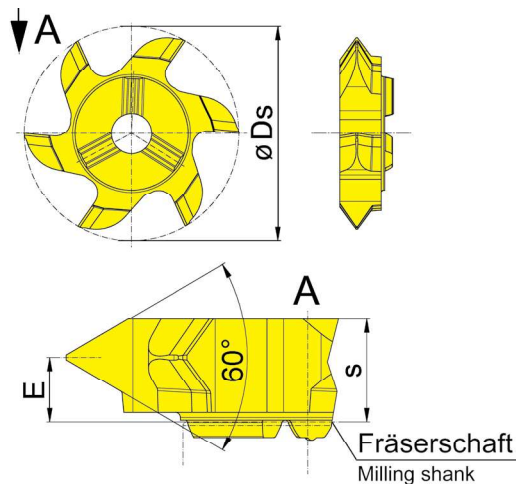
632



Steigung
Schneidkreis-Ø

Pitch
Cutting edge Ø

2,5-6 mm
31,7 mm



für Fräaserschaft
for Milling shank

Typ M332
Type

Metrisches ISO-Gewinde
Metric ISO thread

Abbildung = rechtsschneidend
Picture = right hand cutting version

Bestellnummer Part number	P	P _{max}	E	s	Ds	AS45	Ti25
632.2545.01	2,5	4,5	3,7	5,8	31,7	▲	▲
632.4060.01	4,0	6,0	3,2	5,8	31,7	▲	▲

▲ 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

	AS45	Ti25
P	•	•
M	•	•
K	•	•
N	o	•
S	•	•
H	-	-

HM-Sorten
Carbide grades