

CERATIZIT-Bezeichnungssystem
Fräswerkzeuge

CERATIZIT-designation system
milling tools

ISO-Bezeichnungssystem
Wendeplatten

ISO-designation system
indexable inserts

**Metrisches Maßsystem
Metric measuring system**

C	270	BF		R
	272	212		L
	251	244		N
	2000			
G	260	HSC HPC		
M	210	KF NF ZF		
A	141			
	241			
	490			
	280			

Aufnahme
Connection /
interface

System
System

Durchmesser
Diameter

Schneidrichtung
Cutting direction

01	A	T/V	C/S	H	L	R	W	O	A	l_2 [mm]
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
17										
18										
19										
20										

Plattenform
insert shape

H63A

Details
Aufnahme
Connection /
interface

Nutzlänge
Working length

Eckenwinkel Included angle	35° V	
	55° D	
	75° E	
	80° C	
	86° M	
	55° K	
	82° B	
	85° A	
	90° L	
	108° P	
	120° H	
	135° O	
	90° S	
	60° T	
	80° W	

Freiwinkel
Clearance angle

3° A	25° F
5° B	30° G
7° C	0° N
15° D	11° P
20° E	

Toleranzen in mm
Tolerances in mm

d ±	m ±	s ±
A 0,025	0,005	0,025
F 0,013	0,005	0,025
C 0,025	0,013	0,025
H 0,013	0,013	0,025
E 0,025	0,025	0,025
G 0,025	0,025	0,13
J 0,05-0,15*	0,005	0,025
K 0,05-0,15*	0,013	0,025
L 0,05-0,15*	0,025	0,025
M 0,05-0,15*	0,08-0,20	0,13
N 0,05-0,15*	0,08-0,20	0,025
U 0,08-0,25*	0,13-0,38	0,13

Merkmal
Characteristic

N	
R	
F	
A	
M	
G	
W	
T	
Q	
U	
B	
H	
C	
J	
X	

d mm	06	16	
	08	20	
	10	25	
	12	32	

Schneidenlänge
Cutting edge length

mm	inch	mm	mm
06	5/32	3,96	03
09	7/32	5,56	05
11	1/4	6,35	06
16	3/8	9,52	09
22	7/16	12,7	12
27	5/8	15,8	15
33	3/4	19,0	19
44	1	25,4	25

Plattenstärke
Insert thickness

inch	mm	Kennzahl Index
1/16	1,59	01
3/32	2,38	02
1/8	3,18	03
5/32	3,97	T3
3/16	4,76	04
7/32	5,56	05
1/4	6,35	06
5/16	7,94	07
3/8	9,52	09

Planfase/Eckenradius
Facet / corner radius

45° A	85° F
60° D	90° P
75° E	

Schneidkante
Cutting edge

F	
E	
T	
S	
K	
P	

Schneidrichtung
Cutting direction

R	
L	
N	

CHSC .25 .R

.02 -19 -A -63

T P U N

22 04 12 4 3 3

Diameter

d ₁ = inch
063 = 5/8"
100 = 1"
125 = 1 1/4"
250 = 2 1/2"
350 = 3 1/2"
500 = 5"
1000 = 10"

Cutting edge length

d [inch]	A	T/V	C/S	H	L	R	W	O
.197	-	-	-	05	-	03	-	-
.732	-	09	05	08	-	06	-	-
.236	-	-	-	06	-	-	-	-
.114	-	11	06	03	10	-	04	02
.262	-	-	-	-	-	-	-	-
.516	-	-	07	-	-	-	-	-
.315	-	-	-	12	-	-	-	-
.354	-	-	-	08	-	-	-	-
.377	15	-	09	05	15	-	06	04
.394	-	-	-	-	-	-	-	-
.472	-	-	-	-	10	-	-	-
.112	-	22	12	07	20	-	08	05
.58	-	27	15	09	-	-	10	06
.630	-	-	-	-	-	-	-	-
.659	-	-	-	-	-	-	-	-
.34	-	33	19	11	-	-	13	07
.787	-	-	-	-	-	-	-	-

Connection / interface

A100
d_A = 1"

A125
d_A = 1 1/4"

H63A

Working length

Combination metric-inch

l₂ = inch

100 = 1"

125 = 1 1/4"

150 = 1 1/2"

200 = 2"

250 = 2 1/2"

Tolerances [inch]

d ±	m ±	s ±
A 0,0010	0,0002	0,001
F 0,0005	0,0002	0,001
C 0,0010	0,0005	0,001
H 0,0005	0,0005	0,001
E 0,0010	0,0010	0,001
G 0,0010	0,0010	0,005

Characteristic

Symbols as above; Changes at inscribed circle IK < 1/4"

IK ≥ 1/4" IK < 1/4"

N / R / F E

A / M / G D

X X

Cutting edge length

Code	inch
2	1/4
3	3/8
4	1/2
5	5/8
6	3/4
8	1

Insert thickness

Code	inch
1	1/16
2	1/8
3	3/16
4	1/4
5	5/16
6	3/8

Corner radius

Code	Corner radius inch
0	max. 0,004
1	1/64
2	1/32
3	1/16
4	1/8
5	3/16
6	1/4
7	3/8
8	1/2
X	-

Für besondere Formen der Spanleitstufe kann an der 10. Stelle ein firmeninterner Code angeführt werden.

Sial peccchigroove shapes can be indicated by an internal company coding system at the 10th position.



Bezeichnungssystem
ISO-Wendeplatten
ISO-Klemmhalter / Bohrstangen
CERATIZIT-Fräswerkzeuge

Designation system
ISO-indexable inserts
ISO-toolholders / boring bars
CERATIZIT-milling tools

