



DELİK DELME ve İŞLEME TAKIMLARI
DRILLING and HOLEMAKING TOOLS
BOHRWERKZEUGE





*konusulan
the spoken kalite...
quality...*

U-DRILL

TAKMA UÇLU MATKAPLAR
U-DRILL SYSTEM
VOLLBOHRER





AKKO
A
1

TUM
2

16
3

x

D3
4

S
5

P
6

G
7

T
8

06
9

02
10

04
11

2 Kesici Stili / Cutter Style
Werkzeugtyp

TUM: Takma Uçlu Matkap
U-Drill
Vollbohrer

3 Takım Çapı / Tool Diameter
Werkzeugdurchmesser

4 Delme Derinliği / Drilling Depth
Bohrtiefe

5 Uç Şekli / Insert Form
Plattenform

W

S

6 Serbest Uç Açısı / Clearance angle of Insert
Freiwinkel der Wendschneidplatte

C

P

8 Uç Tipi / Insert Type
Plattentyp

A

J
 $\beta = 70-90^\circ$

T
 $\beta = 40-60^\circ$

B
 $\beta = 70-90^\circ$

M

U
 $\beta = 40-60^\circ$

C
 $\beta = 70-90^\circ$

N

W
 $\beta = 40-60^\circ$

F
 $\beta = 70-90^\circ$

Q
 $\beta = 40-60^\circ$

X Özel
Sonder

G

R

H
 $\beta = 70-90^\circ$

10 Kalınlık / Thickness
Dicke

01	s = 1.59
T1	s = 1.98
02	s = 2.38
T2	s = 2.78
03	s = 3.18
T3	s = 3.97
04	s = 4.76
05	s = 5.56
06	s = 6.35
07	s = 7.94
09	s = 9.52

7 Toleranslar / Tolerance Classes
Toleranzen

T

C

D

U

	d	m	t
A	± 0.025	± 0.005	± 0.025
C	± 0.025	± 0.013	± 0.025
E	± 0.025	± 0.025	± 0.025
F	± 0.013	± 0.005	± 0.025
G	± 0.025	± 0.025	± 0.130
H	± 0.013	± 0.013	± 0.025
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	± 0.130
N	± 0.05-0.15	± 0.08-0.20	± 0.025
U	± 0.08-0.25	± 0.13-0.38	± 0.130

d : Daire Ölçüsü / Inscribed Circle / Kreisgröße
m : Şekle Göre / Refer to Figure / Siehe Abbildung
t : Kalınlık / Thickness / Dicke

9 Kesme Kenar Uzunluğu / Cutting Edge Length
Schneidkantenlänge

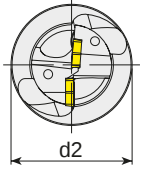
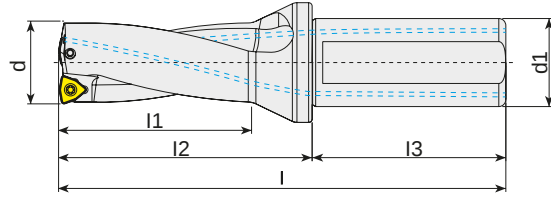
11 Köşe Konfigürasyonu / Corner Radius
Eckenradius

01	r = 0.1
02	r = 0.2
04	r = 0.4
08	r = 0.8
12	r = 1.2
16	r = 1.6
24	r = 2.4



Delme Derinliği
Drilling Depth
Bohrtiefe

= 2xÇap
= 2xDiameter
= 2xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 16XD2 WCM. 030208	●	16	25	34	110	32	54	56	WCM. 030208	3008-M2.5x6	80-T08
ATUM 16.5XD2 WCM. 030208	●	16.5	25	34	110	32	54	56			
ATUM 17XD2 WCM. 030208	●	17	25	34	112	34	56	56			
ATUM 17.5XD2 WCM. 030208	●	17.5	25	34	112	34	56	56			
ATUM 18XD2 WCM. 030208	●	18	25	34	114	36	58	56			
ATUM 18.5XD2 WCM. 030208	●	18.5	25	34	114	36	58	56			
ATUM 19XD2 WCM. 030208	●	19	25	34	116	38	60	56			
ATUM 19.5XD2 WCM. 030208	●	19.5	25	34	116	38	60	56			
ATUM 20XD2 WCM. 040208	●	20	25	34	118	40	62	56	WCM. 040208	3008-M2.5x6	80-T08
ATUM 20.5XD2 WCM. 040208	●	20.5	25	34	118	40	62	56			
ATUM 21XD2 WCM. 040208	●	21	25	34	120	42	64	56			
ATUM 21.5XD2 WCM. 040208	●	21.5	25	34	120	42	64	56			
ATUM 22XD2 WCM. 040208	●	22	25	34	122	44	66	56			
ATUM 22.5XD2 WCM. 040208	●	22.5	25	34	122	44	66	56			
ATUM 23XD2 WCM. 040208	●	23	25	34	124	46	68	56			
ATUM 23.5XD2 WCM. 040208	●	23.5	25	34	124	46	68	56			
ATUM 24XD2 WCM. 050308	●	24	25	34	126	48	70	56	WCM. 050308	3008-M3x8	80-T08
ATUM 24.5XD2 WCM. 050308	●	24.5	25	34	126	48	70	56			
ATUM 25XD2 WCM. 050308	●	25	25	34	128	50	72	56			
ATUM 25.5XD2 WCM. 050308	●	25.5	25	34	128	50	72	56			
ATUM 26XD2 WCM. 050308	●	26	25	34	130	52	74	56			
ATUM 26.5XD2 WCM. 050308	●	26.5	25	34	130	52	74	56			
ATUM 27XD2 WCM. 050308	●	27	25	34	132	54	76	56			
ATUM 27.5XD2 WCM. 050308	●	27.5	25	34	132	54	76	56			
ATUM 28XD2 WCM. 050308	●	28	25	34	134	56	78	56			
ATUM 28.5XD2 WCM. 050308	●	28.5	25	34	134	56	78	56			
ATUM 29XD2 WCM. 050308	●	29	25	34	136	58	80	56			
ATUM 29.5XD2 WCM. 050308	●	29.5	25	34	136	58	80	56			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

ISO Ucuna Uygun. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 16xD2 WCM. 030208

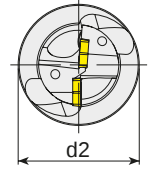
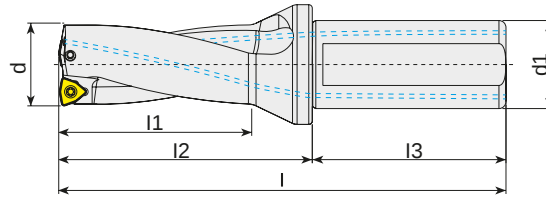
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 2xÇap
= 2xDiameter
= 2xDurchmesser



Takım Kodu
Ordering Code
Bestell-Bezeichnung

Stok
Stock
Lager

Takım Ölçüleri (mm)
Dimension (mm)
Abmessung (mm)

Kesici Uç
Insert
Wendeschneidplatte

Yedek Parçaları / Spare Parts / Ersatzteile

Sıkma Vidası
Screw
Schraube

Tork Anahtar
Torx Key
Torx-Schlüssel

ATUM 30XD2 WCM. 06T308

●

30

32

44

147

60

87

60

WCM. 06T308

3010-M3.5x9

80-T10

ATUM 45XD2 WCM. 080412

●

45

40

54

192

90

122

70

WCM. 080412

4015-M4x11

80-T15

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

ISO Ucuna Uygunudur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

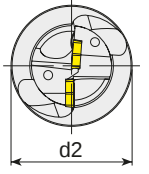
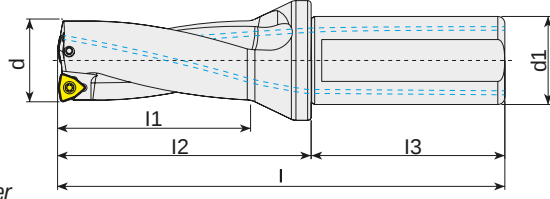
1 ad./pcs./stück ATUM 30XD2 WCM. 06T308

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319 / S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 16XD3 WCM. 030208	●	16	25	34	126	48	70	56	WCM. 030208	3008-M2.5x6	80-T08
ATUM 16.5XD3 WCM. 030208	●	16.5	25	34	126	48	70	56			
ATUM 17XD3 WCM. 030208	●	17	25	34	129	51	73	56			
ATUM 17.5XD3 WCM. 030208	●	17.5	25	34	129	51	73	56			
ATUM 18XD3 WCM. 030208	●	18	25	34	132	54	76	56			
ATUM 18.5XD3 WCM. 030208	●	18.5	25	34	132	54	76	56			
ATUM 19XD3 WCM. 030208	●	19	25	34	135	57	79	56			
ATUM 19.5XD3 WCM. 030208	●	19.5	25	34	135	57	79	56			
ATUM 20XD3 WCM. 040208	●	20	25	34	138	60	82	56	WCM. 040208	3008-M2.5x6	80-T08
ATUM 20.5XD3 WCM. 040208	●	20.5	25	34	138	60	82	56			
ATUM 21XD3 WCM. 040208	●	21	25	34	141	63	85	56			
ATUM 21.5XD3 WCM. 040208	●	21.5	25	34	141	63	85	56			
ATUM 22XD3 WCM. 040208	●	22	25	34	144	66	88	56			
ATUM 22.5XD3 WCM. 040208	●	22.5	25	34	144	66	88	56			
ATUM 23XD3 WCM. 040208	●	23	25	34	147	69	91	56			
ATUM 23.5XD3 WCM. 040208	●	23.5	25	34	147	69	91	56			
ATUM 24XD3 WCM. 050308	●	24	25	34	150	72	94	56	WCM. 050308	3008-M3x8	80-T10
ATUM 24.5XD3 WCM. 050308	●	24.5	25	34	150	72	94	56			
ATUM 25XD3 WCM. 050308	●	25	25	34	153	75	97	56			
ATUM 25.5XD3 WCM. 050308	●	25.5	25	34	153	75	97	56			
ATUM 26XD3 WCM. 050308	●	26	25	34	156	78	100	56			
ATUM 26.5XD3 WCM. 050308	●	26.5	25	34	156	78	100	56			
ATUM 27XD3 WCM. 050308	●	27	25	34	159	81	103	56			
ATUM 27.5XD3 WCM. 050308	●	27.5	25	34	159	81	103	56			
ATUM 28XD3 WCM. 050308	●	28	25	34	162	84	106	56	WCM. 06T308	3010-M3.5x9	80-T10
ATUM 28.5XD3 WCM. 050308	●	28.5	25	34	162	84	106	56			
ATUM 29XD3 WCM. 050308	●	29	25	34	165	87	109	56			
ATUM 29.5XD3 WCM. 050308	●	29.5	25	34	165	87	109	56			
ATUM 30XD3 WCM. 06T308	●	30	32	44	177	90	117	60			
ATUM 30.5XD3 WCM. 06T308	●	30.5	32	44	177	90	117	60			
ATUM 31XD3 WCM. 06T308	●	31	32	44	180	93	120	60			
ATUM 31.5XD3 WCM. 06T308	●	31.5	32	44	180	93	120	60			
ATUM 32XD3 WCM. 06T308	●	32	32	44	183	96	123	60	WCM. 06T308	3010-M3.5x9	80-T10
ATUM 32.5XD3 WCM. 06T308	●	32.5	32	44	183	96	123	60			
ATUM 33XD3 WCM. 06T308	●	33	32	44	186	99	126	60			
ATUM 33.5XD3 WCM. 06T308	●	33.5	32	44	186	99	126	60			
ATUM 34XD3 WCM. 06T308	●	34	32	44	189	102	129	60			
ATUM 34.5XD3 WCM. 06T308	●	34.5	32	44	189	102	129	60			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Uçuna Uygunudur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 16xD3 WCM. 030208

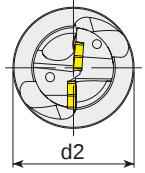
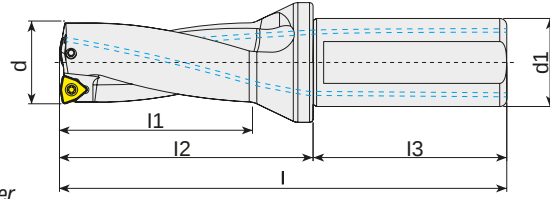
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu
Ordering Code
Bestell-Bezeichnung

Stok
Stock
Lager

Takım Ölçüleri (mm)
Dimension (mm)
Abmessung (mm)

Kesici Uç
Insert
Wendeschneidplatte

Yedek Parçaları / Spare Parts / Ersatzteile

Sıkma Vidası
Screw
Schraube

Tork Anahtar
Torx Key
Torx-Schlüssel

ATUM 35XD3 WCM. 06T308
ATUM 35.5XD3 WCM. 06T308
ATUM 36XD3 WCM. 06T308
ATUM 36.5XD3 WCM. 06T308
ATUM 37XD3 WCM. 06T308
ATUM 37.5XD3 WCM. 06T308
ATUM 38XD3 WCM. 06T308
ATUM 38.5XD3 WCM. 06T308
ATUM 39XD3 WCM. 06T308
ATUM 39.5XD3 WCM. 06T308
ATUM 40XD3 WCM. 06T308
ATUM 40.5XD3 WCM. 06T308
ATUM 41XD3 WCM. 06T308
ATUM 41.5XD3 WCM. 06T308
ATUM 42XD3 WCM. 06T308
ATUM 42.5XD3 WCM. 06T308
ATUM 43XD3 WCM. 06T308
ATUM 43.5XD3 WCM. 06T308
ATUM 44XD3 WCM. 06T308
ATUM 44.5XD3 WCM. 06T308
ATUM 45XD3 WCM. 080412
ATUM 45.5XD3 WCM. 080412
ATUM 46XD3 WCM. 080412
ATUM 47XD3 WCM. 080412
ATUM 48XD3 WCM. 080412
ATUM 49XD3 WCM. 080412
ATUM 50XD3 WCM. 080412
ATUM 51XD3 WCM. 080412
ATUM 52XD3 WCM. 080412
ATUM 53XD3 WCM. 080412
ATUM 54XD3 WCM. 080412
ATUM 55XD3 WCM. 080412
ATUM 56XD3 WCM. 080412
ATUM 57XD3 WCM. 080412
ATUM 58XD3 WCM. 080412
ATUM 59XD3 WCM. 080412
ATUM 60XD3 WCM. 080412

d	d ₁	d ₂	l	l ₁	l ₂	l ₃
35	32	44	192	105	132	60
35.5	32	44	192	105	132	60
36	32	44	195	108	135	60
36.5	32	44	195	108	135	60
37	32	44	198	111	138	60
37.5	32	44	198	111	138	60
38	32	44	201	114	141	60
38.5	32	44	201	114	141	60
39	32	44	204	117	144	60
39.5	32	44	204	117	144	60
40	32	44	207	120	147	60
40.5	32	44	207	120	147	60
41	32	44	210	123	150	60
41.5	32	44	210	123	150	60
42	32	44	213	126	153	60
42.5	32	44	213	126	153	60
43	32	44	216	129	156	60
43.5	32	44	216	129	156	60
44	32	44	219	132	159	60
44.5	32	44	219	132	159	60
45	40	54	237	135	167	70
45.5	40	54	237	135	167	70
46	40	54	240	138	170	70
47	40	54	243	141	173	70
48	40	54	246	144	176	70
49	40	54	249	147	179	70
50	40	54	252	150	182	70
51	40	54	255	153	185	70
52	40	54	258	156	188	70
53	40	54	261	159	191	70
54	40	54	264	162	194	70
55	40	54	267	165	197	70
56	40	64	270	168	200	70
57	40	64	273	171	203	70
58	40	64	276	174	206	70
59	40	64	279	177	209	70
60	40	64	282	180	212	70

WCM. 06T308

3010-M3.5x9

80-T10

WCM. 080412

4015-M4x11

80-T15

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Uçuna Uygunudur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeleplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

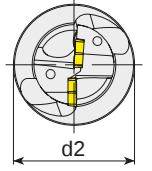
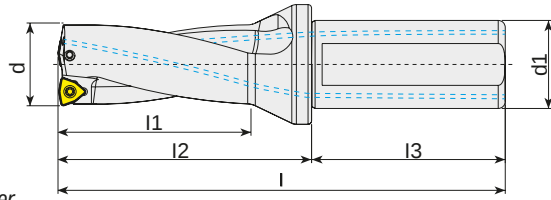
1 ad./pcs./stück ATUM 35XD3 WCM. 06T308

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 4xÇap
= 4xDiameter
= 4xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 16XD4 WCM. 030208	●	16	25	34	142	64	86	56	WCM. 030208		
ATUM 16.5XD4 WCM. 030208	○	16.5	25	34	142	64	86	56			
ATUM 17XD4 WCM. 030208	●	17	25	34	146	68	90	56			
ATUM 17.5XD4 WCM. 030208	○	17.5	25	34	146	68	90	56			
ATUM 18XD4 WCM. 030208	●	18	25	34	150	72	94	56			
ATUM 18.5XD4 WCM. 030208	○	18.5	25	34	150	72	94	56			
ATUM 19XD4 WCM. 030208	●	19	25	34	154	76	98	56			
ATUM 19.5XD4 WCM. 030208	○	19.5	25	34	154	76	98	56			
ATUM 20XD4 WCM. 040208	●	20	25	34	158	80	102	56	WCM. 040208	3008-M2.5x6	80-T08
ATUM 20.5XD4 WCM. 040208	○	20.5	25	34	158	80	102	56			
ATUM 21XD4 WCM. 040208	●	21	25	34	162	84	106	56			
ATUM 21.5XD4 WCM. 040208	○	21.5	25	34	162	84	106	56			
ATUM 22XD4 WCM. 040208	●	22	25	34	166	88	110	56			
ATUM 22.5XD4 WCM. 040208	●	22.5	25	34	166	88	110	56			
ATUM 23XD4 WCM. 040208	●	23	25	34	170	92	114	56			
ATUM 23.5XD4 WCM. 040208	○	23.5	25	34	170	92	114	56			
ATUM 24XD4 WCM. 050308	●	24	25	34	174	96	118	56	WCM. 050308	3008-M3x8	
ATUM 24.5XD4 WCM. 050308	○	24.5	25	34	174	96	118	56			
ATUM 25XD4 WCM. 050308	●	25	25	34	178	100	122	56			
ATUM 25.5XD4 WCM. 050308	○	25.5	25	34	178	100	122	56			
ATUM 26XD4 WCM. 050308	●	26	25	34	182	104	126	56			
ATUM 26.5XD4 WCM. 050308	●	26.5	25	34	182	104	126	56			
ATUM 27XD4 WCM. 050308	●	27	25	34	186	108	130	56			
ATUM 27.5XD4 WCM. 050308	○	27.5	25	34	186	108	130	56			
ATUM 28XD4 WCM. 050308	●	28	25	34	190	112	134	56			
ATUM 28.5XD4 WCM. 050308	●	28.5	25	34	190	112	134	56			
ATUM 29XD4 WCM. 050308	●	29	25	34	194	116	138	56			
ATUM 29.5XD4 WCM. 050308	○	29.5	25	34	194	116	138	56			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Uçuna Uygun. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 16xD4 WCM. 030208

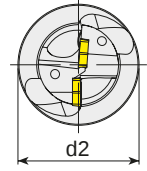
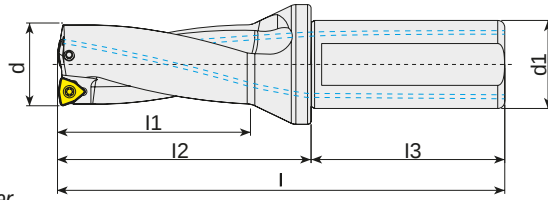
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

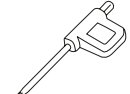
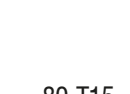
S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 4xÇap
= 4xDiameter
= 4xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 30XD4 WCM. 06T308	●	30	32	44	207	120	147	60			
ATUM 31XD4 WCM. 06T308	●	31	32	44	211	124	151	60			
ATUM 32XD4 WCM. 06T308	●	32	32	44	215	128	155	60			
ATUM 33XD4 WCM. 06T308	●	33	32	44	219	132	159	60			
ATUM 33.5XD4 WCM. 06T308	●	33.5	32	44	219	132	159	60			
ATUM 34XD4 WCM. 06T308	●	34	32	44	223	136	163	60			
ATUM 35XD4 WCM. 06T308	●	35	32	44	227	140	167	60			
ATUM 36XD4 WCM. 06T308	●	36	32	44	231	144	171	60			
ATUM 37XD4 WCM. 06T308	●	37	32	44	235	148	175	60			
ATUM 38XD4 WCM. 06T308	●	38	32	44	239	152	179	60			
ATUM 38.5XD4 WCM. 06T308	●	38.5	32	44	239	152	179	60			
ATUM 39XD4 WCM. 06T308	●	39	32	44	243	156	183	60			
ATUM 40XD4 WCM. 06T308	●	40	32	44	247	160	187	60			
ATUM 41XD4 WCM. 06T308	●	41	32	44	251	164	191	60			
ATUM 42XD4 WCM. 06T308	●	42	32	44	255	168	195	60			
ATUM 43XD4 WCM. 06T308	●	43	32	44	259	172	199	60			
ATUM 44XD4 WCM. 06T308	●	44	32	44	263	176	203	60			
ATUM 45XD4 WCM. 080412	●	45	40	54	282	180	212	70			
ATUM 46XD4 WCM. 080412	●	46	40	54	286	184	216	70			
ATUM 47XD4 WCM. 080412	●	47	40	54	290	188	220	70			
ATUM 48XD4 WCM. 080412	●	48	40	54	294	192	224	70			
ATUM 49XD4 WCM. 080412	●	49	40	54	298	196	228	70			
ATUM 50XD4 WCM. 080412	●	50	40	54	302	200	232	70			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Ucuna Uygunudur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 30XD4 WCM. 06T308

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

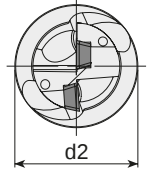
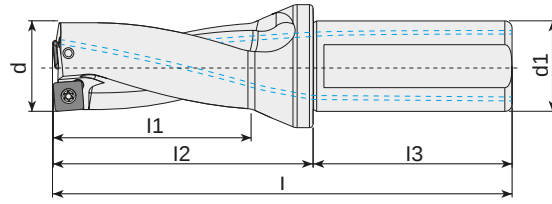
S.320 / Bedienungsanleitung für Vollbohrer





Delme Derinliği
Drilling Depth
Bohrtiefe

= 2xÇap
= 2xDiameter
= 2xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 12.5XD2 SP.. 050204	●	12.5	20	25	96	24	46	50	SP.. 050204	3006-M2x4	80-T06
ATUM 13XD2 SP.. 050204	●	13	20	25	98	26	48	50			
ATUM 13.5XD2 SP.. 050204	●	13.5	20	25	98	26	48	50			
ATUM 14XD2 SP.. 050204	●	14	20	25	100	28	50	50			
ATUM 14.5XD2 SP.. 050204	●	14.5	20	25	100	28	50	50			
ATUM 15XD2 SP.. 050204	●	15	20	25	102	30	52	50			
ATUM 15.5XD2 SP.. 060204	●	15.5	20	25	102	30	52	50	SP.. 060204	3007-M2.2x5	80-T07
ATUM 16XD2 SP.. 060204	●	16	25	34	110	32	54	56			
ATUM 16.5XD2 SP.. 060204	●	16.5	25	34	110	32	54	56			
ATUM 17XD2 SP.. 060204	●	17	25	34	112	34	56	56			
ATUM 17.5XD2 SP.. 060204	●	17.5	25	34	112	34	56	56			
ATUM 18XD2 SP.. 060204	●	18	25	34	114	36	58	56			
ATUM 18.5XD2 SP.. 060204	●	18.5	25	34	114	36	58	56			
ATUM 19XD2 SP.. 060204	●	19	25	34	116	38	60	56			
ATUM 19.5XD2 SP.. 060204	●	19.5	25	34	116	38	60	56			
ATUM 20XD2 SP.. 060204	●	20	25	34	118	40	62	56			
ATUM 20.5XD2 SP.. 060204	●	20.5	25	34	118	40	62	56			
ATUM 21XD2 SP.. 060204	●	21	25	34	120	42	64	56	SP.. 07T308	3008-M2.5x6	80-T08
ATUM 21.5XD2 SP.. 060204	●	21.5	25	34	120	42	64	56			
ATUM 22XD2 SP.. 07T308	●	22	25	34	122	44	66	56			
ATUM 22.5XD2 SP.. 07T308	●	22.5	25	34	122	44	66	56			
ATUM 23XD2 SP.. 07T308	●	23	25	34	124	46	68	56			
ATUM 23.5XD2 SP.. 07T308	●	23.5	25	34	124	46	68	56			
ATUM 24XD2 SP.. 07T308	●	24	25	34	126	48	70	56			
ATUM 24.5XD2 SP.. 07T308	●	24.5	25	34	126	48	70	56			
ATUM 25XD2 SP.. 07T308	●	25	25	34	128	50	72	56			
ATUM 25.5XD2 SP.. 07T308	●	25.5	25	34	128	50	72	56			
ATUM 26XD2 SP.. 07T308	●	26	25	34	130	52	74	56			
ATUM 26.5XD2 SP.. 07T308	●	26.5	25	34	130	52	74	56			
ATUM 27XD2 SP.. 07T308	●	27	25	34	132	54	76	56			
ATUM 27.5XD2 SP.. 07T308	●	27.5	25	34	132	54	76	56			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

TGTC Ucuna Uygunur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 12.5xD2 SP.. 050204

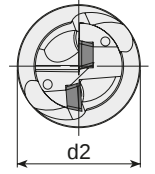
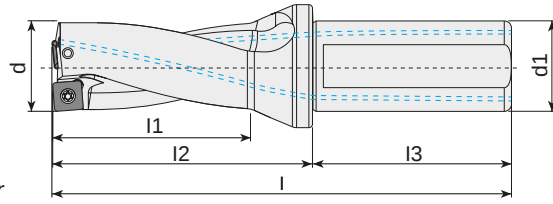
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 2xÇap
= 2xDiameter
= 2xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 28XD2 SP.. 090408	●	28	25	34	134	56	78	56	SP.. 090408	4015-M3.5x9	80-T15
ATUM 28.5XD2 SP.. 090408	●	28.5	25	34	134	56	78	56			
ATUM 29XD2 SP.. 090408	●	29	25	34	136	58	80	56			
ATUM 29.5XD2 SP.. 090408	●	29.5	25	34	136	58	80	56			
ATUM 30XD2 SP.. 090408	●	30	32	44	147	60	87	60			
ATUM 31XD2 SP.. 090408	●	31	32	44	149	62	89	60			
ATUM 32XD2 SP.. 090408	●	32	32	44	151	64	91	60			
ATUM 33XD2 SP.. 090408	●	33	32	44	153	66	93	60			
ATUM 34XD2 SP.. 110408	●	34	32	44	155	68	95	60	SP.. 110408	4015-M4x11	80-T15
ATUM 35XD2 SP.. 110408	●	35	32	44	157	70	97	60			
ATUM 36XD2 SP.. 110408	●	36	32	44	159	72	99	60			
ATUM 37XD2 SP.. 110408	●	37	32	44	161	74	101	60			
ATUM 38XD2 SP.. 110408	●	38	32	44	163	76	103	60			
ATUM 39XD2 SP.. 110408	●	39	32	44	165	78	105	60			
ATUM 40XD2 SP.. 110408	●	40	32	44	167	80	107	60			
ATUM 41XD2 SP.. 110408	●	41	32	44	169	82	109	60			
ATUM 42XD2 SP.. 140512	●	42	32	44	171	84	111	60	SP.. 140512	1020-M5x11	80-T20
ATUM 43XD2 SP.. 140512	●	43	32	44	173	86	113	60			
ATUM 44XD2 SP.. 140512	●	44	32	44	175	88	115	60			
ATUM 45XD2 SP.. 140512	●	45	40	54	192	90	122	70			
ATUM 46XD2 SP.. 140512	●	46	40	54	194	92	124	70			
ATUM 47XD2 SP.. 140512	●	47	40	54	196	94	126	70			
ATUM 48XD2 SP.. 140512	●	48	40	54	198	96	128	70			
ATUM 49XD2 SP.. 140512	●	49	40	54	200	98	130	70			
ATUM 50XD2 SP.. 140512	●	50	40	54	202	100	132	70			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

TGTC Ucuna Uygunudur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 28xD2 SP.. 090408

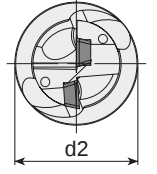
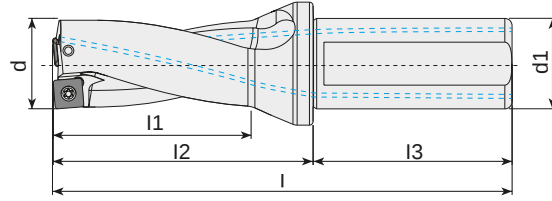
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 12.5XD3 SP.. 050204	●	12.5	20	25	108	36	58	50	SP.. 050204	3006-M2x4	80-T06
ATUM 13XD3 SP.. 050204	●	13	20	25	111	39	61	50			
ATUM 13.5XD3 SP.. 050204	●	13.5	20	25	111	39	61	50			
ATUM 14XD3 SP.. 050204	●	14	20	25	114	42	64	50			
ATUM 14.5XD3 SP.. 050204	●	14.5	20	25	114	42	64	50			
ATUM 15XD3 SP.. 050204	●	15	20	25	117	45	67	50	SP.. 060204	3007-M2.2x5	80-T07
ATUM 15.5XD3 SP.. 060204	●	15.5	20	25	117	45	67	50			
ATUM 16XD3 SP.. 060204	●	16	25	34	126	48	70	56			
ATUM 16.5XD3 SP.. 060204	●	16.5	25	34	126	48	70	56			
ATUM 17XD3 SP.. 060204	●	17	25	34	129	51	73	56			
ATUM 17.5XD3 SP.. 060204	●	17.5	25	34	129	51	73	56			
ATUM 18XD3 SP.. 060204	●	18	25	34	132	54	76	56			
ATUM 18.5XD3 SP.. 060204	●	18.5	25	34	132	54	76	56			
ATUM 19XD3 SP.. 060204	●	19	25	34	135	57	79	56			
ATUM 19.5XD3 SP.. 060204	●	19.5	25	34	135	57	79	56			
ATUM 20XD3 SP.. 060204	●	20	25	34	138	60	82	56	SP.. 07T308	3008-M2.5x6	80-T08
ATUM 20.5XD3 SP.. 060204	●	20.5	25	34	138	60	82	56			
ATUM 21XD3 SP.. 060204	●	21	25	34	141	63	85	56			
ATUM 21.5XD3 SP.. 060204	●	21.5	25	34	141	63	85	56			
ATUM 22XD3 SP.. 07T308	●	22	25	34	144	66	88	56			
ATUM 22.5XD3 SP.. 07T308	●	22.5	25	34	144	66	88	56			
ATUM 23XD3 SP.. 07T308	●	23	25	34	147	69	91	56			
ATUM 23.5XD3 SP.. 07T308	●	23.5	25	34	147	69	91	56			
ATUM 24XD3 SP.. 07T308	●	24	25	34	150	72	94	56			
ATUM 24.5XD3 SP.. 07T308	●	24.5	25	34	150	72	94	56			
ATUM 25XD3 SP.. 07T308	●	25	25	34	153	75	97	56	SP.. 090408	4015-M3.5x9	80-T15
ATUM 25.5XD3 SP.. 07T308	●	25.5	25	34	153	75	97	56			
ATUM 26XD3 SP.. 07T308	●	26	25	34	156	78	100	56			
ATUM 26.5XD3 SP.. 07T308	●	26.5	25	34	156	78	100	56			
ATUM 27XD3 SP.. 07T308	●	27	25	34	159	81	103	56			
ATUM 27.5XD3 SP.. 07T308	●	27.5	25	34	159	81	103	56			
ATUM 28XD3 SP.. 090408	●	28	25	34	162	84	106	56			
ATUM 28.5XD3 SP.. 090408	●	28.5	25	34	162	84	106	56			
ATUM 29XD3 SP.. 090408	●	29	25	34	165	87	109	56			
ATUM 29.5XD3 SP.. 090408	●	29.5	25	34	165	87	109	56			
ATUM 30XD3 SP.. 090408	●	30	32	44	177	90	117	60	SP.. 090408	4015-M3.5x9	80-T15
ATUM 30.5XD3 SP.. 090408	●	30.5	32	44	177	90	117	60			
ATUM 31XD3 SP.. 090408	●	31	32	44	180	93	120	60			
ATUM 31.5XD3 SP.. 090408	●	31.5	32	44	180	93	120	60			
ATUM 32XD3 SP.. 090408	●	32	32	44	183	96	123	60			
ATUM 32.5XD3 SP.. 090408	●	32.5	32	44	183	96	123	60			
ATUM 33XD3 SP.. 090408	●	33	32	44	186	99	126	60			
ATUM 33.5XD3 SP.. 090408	●	33.5	32	44	186	99	126	60			

R: Sağ / Right / Rechts L: Sol/Left/Links
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Ucuna Uygundur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.



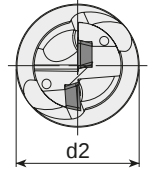
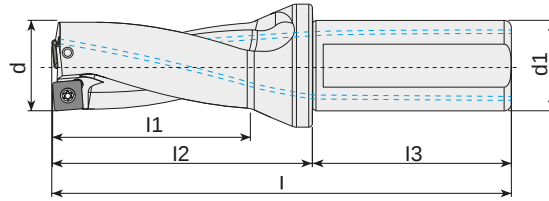
www.akkо.com.tr

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ATUM 12.5xD3 SP.. 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 34XD3 SP.. 110408	●	34	32	44	189	102	129	60	SP.. 110408	4015-M4x11	80-T15
ATUM 34.5XD3 SP.. 110408	●	34.5	32	44	189	102	129	60			
ATUM 35XD3 SP.. 110408	●	35	32	44	192	105	132	60			
ATUM 35.5XD3 SP.. 110408	●	35.5	32	44	192	105	132	60			
ATUM 36XD3 SP.. 110408	●	36	32	44	195	108	135	60			
ATUM 36.5XD3 SP.. 110408	●	36.5	32	44	195	108	135	60			
ATUM 37XD3 SP.. 110408	●	37	32	44	198	111	138	60			
ATUM 37.5XD3 SP.. 110408	●	37.5	32	44	198	111	138	60			
ATUM 38XD3 SP.. 110408	●	38	32	44	201	114	141	60			
ATUM 38.5XD3 SP.. 110408	●	38.5	32	44	201	114	141	60			
ATUM 39XD3 SP.. 110408	●	39	32	44	204	117	144	60			
ATUM 39.5XD3 SP.. 110408	●	39.5	32	44	204	117	144	60			
ATUM 40XD3 SP.. 110408	●	40	32	44	207	120	147	60			
ATUM 40.5XD3 SP.. 110408	●	40.5	32	44	207	120	147	60			
ATUM 41XD3 SP.. 110408	●	41	32	44	210	123	150	60			
ATUM 41.5XD3 SP.. 110408	●	41.5	32	44	210	123	150	60			
ATUM 42XD3 SP.. 140512	●	42	32	44	213	126	153	60	SP.. 140512	1020-M5x11	80-T20
ATUM 42.5XD3 SP.. 140512	●	42.5	32	44	213	126	153	60			
ATUM 43XD3 SP.. 140512	●	43	32	44	216	129	156	60			
ATUM 43.5XD3 SP.. 140512	●	43.5	32	44	216	129	156	60			
ATUM 44XD3 SP.. 140512	●	44	32	44	219	132	159	60			
ATUM 44.5XD3 SP.. 140512	●	44.5	32	44	219	132	159	60			
ATUM 45XD3 SP.. 140512	●	45	40	54	237	135	167	70			
ATUM 45.5XD3 SP.. 140512	●	45.5	40	54	237	135	167	70			
ATUM 46XD3 SP.. 140512	●	46	40	54	240	138	170	70			
ATUM 47XD3 SP.. 140512	●	47	40	54	243	141	173	70			
ATUM 48XD3 SP.. 140512	●	48	40	54	246	144	176	70			
ATUM 49XD3 SP.. 140512	●	49	40	54	249	147	179	70			
ATUM 50XD3 SP.. 140512	●	50	40	54	252	150	182	70			
ATUM 51XD3 SP.. 140512	●	51	40	54	255	153	185	70			
ATUM 52XD3 SP.. 140512	●	52	40	54	258	156	188	70			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 34xD3 SP.. 110408

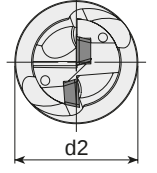
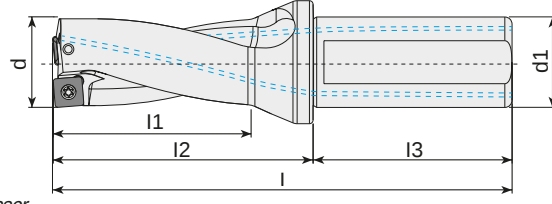
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 4xÇap
= 4xDiameter
= 4xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 13XD4 SP.. 050204	●	13	20	25	124	52	74	50	SP.. 050204	3006-M2x4	80-T06
ATUM 14XD4 SP.. 050204	●	14	20	25	128	56	78	50			
ATUM 15XD4 SP.. 050204	●	15	20	25	132	60	82	50			
ATUM 16XD4 SP.. 060204	●	16	25	34	142	64	86	56	SP.. 060204	3007-M2.2x5	80-T07
ATUM 17XD4 SP.. 060204	●	17	25	34	146	68	90	56			
ATUM 17.5XD4 SP.. 060204	●	17	25	34	146	68	90	56			
ATUM 18XD4 SP.. 060204	●	18	25	34	150	72	94	56			
ATUM 19XD4 SP.. 060204	●	19	25	34	154	76	98	56			
ATUM 19.5XD4 SP.. 060204	●	19.5	25	34	154	76	98	56			
ATUM 20XD4 SP.. 060204	●	20	25	34	158	80	102	56	SP.. 07T308	3008-M2.5x6	80-T08
ATUM 21XD4 SP.. 060204	●	21	25	34	162	84	106	56			
ATUM 22XD4 SP.. 07T308	●	22	25	34	166	88	110	56			
ATUM 23XD4 SP.. 07T308	●	23	25	34	170	92	114	56			
ATUM 23.5XD4 SP.. 07T308	●	23.5	25	34	170	92	114	56			
ATUM 24XD4 SP.. 07T308	●	24	25	34	174	96	118	56			
ATUM 25XD4 SP.. 07T308	●	25	25	34	178	100	122	56			
ATUM 26XD4 SP.. 07T308	●	26	25	34	182	104	126	56			
ATUM 27XD4 SP.. 07T308	●	27	25	34	186	108	130	56			
ATUM 27.5XD4 SP.. 07T308	●	27.5	25	34	186	108	130	56			
ATUM 28XD4 SP.. 090408	●	28	25	34	190	112	134	56	SP.. 090408	4015-M3.5x9	80-T15
ATUM 29XD4 SP.. 090408	●	29	25	34	194	116	138	56			
ATUM 30XD4 SP.. 090408	●	30	32	44	207	120	147	60			
ATUM 31XD4 SP.. 090408	●	31	32	44	211	124	151	60			
ATUM 32XD4 SP.. 090408	●	32	32	44	215	128	155	60			
ATUM 33XD4 SP.. 090408	●	33	32	44	219	132	159	60			
ATUM 33.5XD4 SP.. 090408	●	33.5	32	44	219	132	159	60			
ATUM 34XD4 SP.. 110408	●	34	32	44	223	136	163	60	SP.. 110408	4015-M4x11	80-T15
ATUM 35XD4 SP.. 110408	●	35	32	44	227	140	167	60			
ATUM 36XD4 SP.. 110408	●	36	32	44	231	144	171	60			
ATUM 37XD4 SP.. 110408	●	37	32	44	235	148	175	60			
ATUM 38XD4 SP.. 110408	●	38	32	44	239	152	179	60			
ATUM 39XD4 SP.. 110408	●	39	32	44	243	156	183	60			
ATUM 40XD4 SP.. 110408	●	40	32	44	247	160	187	60			
ATUM 41XD4 SP.. 110408	●	41	32	44	251	164	191	60			
ATUM 42XD4 SP.. 140512	●	42	32	44	255	168	195	60	SP.. 140512	1020-M5x11	80-T20
ATUM 43XD4 SP.. 140512	●	43	32	44	259	172	199	60			
ATUM 44XD4 SP.. 140512	●	44	32	44	263	176	203	60			

R: Sağ / Right / Rechts L: Sol/Left/Links
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.



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Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 13xD4 SP.. 050204

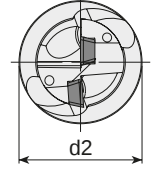
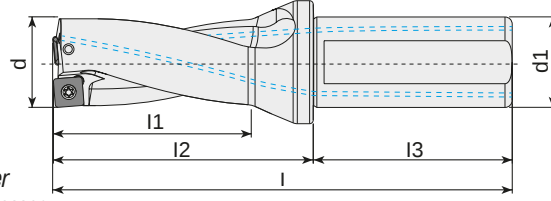
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 2xÇap
= 2xDiameter
= 2xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 12.5XD2 SPGT 050204	○	12.5	20	25	96	24	46	50	SPGT 050204	3006-M2x4	80-T06
ATUM 13XD2 SPGT 050204	●	13	20	25	98	26	48	50			
ATUM 13.5XD2 SPGT 050204	●	13.5	20	25	98	26	48	50			
ATUM 14XD2 SPGT 050204	●	14	20	25	100	28	50	50			
ATUM 15XD2 SPGT 050204	●	15	20	25	102	30	52	50			
ATUM 16XD2 SPGT 060204	●	16	25	34	110	32	54	56	SPGT 060204	3007-M2.2x5	80-T07
ATUM 16.5XD2 SPGT 060204	●	16.5	25	34	110	32	54	56			
ATUM 17XD2 SPGT 060204	●	17	25	34	112	34	56	56			
ATUM 17.5XD2 SPGT 060204	●	17.5	25	34	112	34	56	56			
ATUM 18XD2 SPGT 060204	●	18	25	34	114	36	58	56			
ATUM 19XD2 SPGT 060204	●	19	25	34	116	38	60	56	SPGT 07T308	3008-M2.5x6	80-T08
ATUM 20XD2 SPGT 060204	●	20	25	34	118	40	62	56			
ATUM 22XD2 SPGT 07T308	●	22	25	34	122	44	66	56			
ATUM 22.5XD2 SPGT 07T308	●	22.5	25	34	122	44	66	56			
ATUM 23XD2 SPGT 07T308	●	23	25	34	124	46	68	56			
ATUM 24XD2 SPGT 07T308	●	24	25	34	126	48	70	56	SPGT 090408	4015-M3.5x9	80-T15
ATUM 25XD2 SPGT 07T308	●	25	25	34	128	50	72	56			
ATUM 26XD2 SPGT 07T308	●	26	25	34	130	52	74	56			
ATUM 28XD2 SPGT 090408	●	28	25	34	134	56	78	56			
ATUM 29XD2 SPGT 090408	●	29	25	34	136	58	80	56			
ATUM 30XD2 SPGT 090408	●	30	32	44	147	60	87	60	SPGT 110408	4015-M4x11	80-T15
ATUM 32XD2 SPGT 090408	●	32	32	44	151	64	91	60			
ATUM 35XD2 SPGT 110408	●	35	32	44	157	70	97	60			
ATUM 36XD2 SPGT 110408	●	36	32	44	159	72	99	60			
ATUM 40XD2 SPGT 110408	●	40	32	44	167	80	107	60			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ZCC Uçuna Uygun. / Compatible with ZCC Insert. / Kompatibel mit ZCC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ATUM 12.5XD2 SPGT 050204

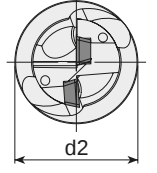
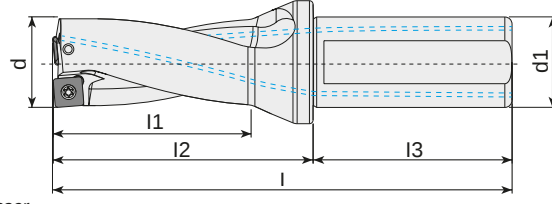
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
S.320 / Bedienungsanleitung für Vollbohrer





Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 12.5XD3 SPGT 050204	●	12.5	20	25	108	36	58	50	SPGT 050204	3006-M2x4	80-T06
ATUM 13XD3 SPGT 050204	●	13	20	25	111	39	61	50			
ATUM 13.5XD3 SPGT 050204	●	13.5	20	25	111	39	61	50			
ATUM 14XD3 SPGT 050204	●	14	20	25	114	42	64	50			
ATUM 14.5XD3 SPGT 050204	●	14.5	20	25	114	42	64	50			
ATUM 15XD3 SPGT 050204	●	15	20	25	117	45	67	50	SPGT 060204	3007-M2.2x5	80-T07
ATUM 15.5XD3 SPGT 060204	●	15.5	20	25	117	45	67	50			
ATUM 16XD3 SPGT 060204	●	16	25	34	126	48	70	56			
ATUM 16.5XD3 SPGT 060204	●	16.5	25	34	126	48	70	56			
ATUM 17XD3 SPGT 060204	●	17	25	34	129	51	73	56			
ATUM 17.5XD3 SPGT 060204	●	17.5	25	34	129	51	73	56			
ATUM 18XD3 SPGT 060204	●	18	25	34	132	54	76	56			
ATUM 18.5XD3 SPGT 060204	●	18.5	25	34	132	54	76	56			
ATUM 19XD3 SPGT 060204	●	19	25	34	135	57	79	56			
ATUM 19.5XD3 SPGT 060204	●	19.5	25	34	135	57	79	56			
ATUM 20XD3 SPGT 060204	●	20	25	34	138	60	82	56	SPGT 07T308	3008-M2.5x6	80-T08
ATUM 20.5XD3 SPGT 060204	●	20.5	25	34	138	60	82	56			
ATUM 21XD3 SPGT 060204	●	21	25	34	141	63	85	56			
ATUM 21.5XD3 SPGT 060204	●	21.5	25	34	141	63	85	56			
ATUM 22XD3 SPGT 07T308	●	22	25	34	144	66	88	56			
ATUM 22.5XD3 SPGT 07T308	●	22.5	25	34	144	66	88	56			
ATUM 23XD3 SPGT 07T308	●	23	25	34	147	69	91	56			
ATUM 23.5XD3 SPGT 07T308	●	23.5	25	34	147	69	91	56			
ATUM 24XD3 SPGT 07T308	●	24	25	34	150	72	94	56			
ATUM 24.5XD3 SPGT 07T308	●	24.5	25	34	150	72	94	56			
ATUM 25XD3 SPGT 07T308	●	25	25	34	153	75	97	56	SPGT 090408	4015-M3.5x9	80-T15
ATUM 25.5XD3 SPGT 07T308	●	25.5	25	34	153	75	97	56			
ATUM 26XD3 SPGT 07T308	●	26	25	34	156	78	100	56			
ATUM 26.5XD3 SPGT 07T308	●	26.5	25	34	156	78	100	56			
ATUM 27XD3 SPGT 07T308	●	27	25	34	159	81	103	56			
ATUM 27.5XD3 SPGT 07T308	●	27.5	25	34	159	81	103	56			
ATUM 28XD3 SPGT 090408	●	28	25	34	162	84	106	56			
ATUM 28.5XD3 SPGT 090408	●	28.5	25	34	162	84	106	56			
ATUM 29XD3 SPGT 090408	●	29	25	34	165	87	109	56			
ATUM 29.5XD3 SPGT 090408	●	29.5	25	34	165	87	109	56			
ATUM 30XD3 SPGT 090408	●	30	32	44	177	90	117	60	SPGT 090408	4015-M3.5x9	80-T15
ATUM 31XD3 SPGT 090408	●	31	32	44	180	93	120	60			
ATUM 32XD3 SPGT 090408	●	32	32	44	183	96	123	60			
ATUM 33XD3 SPGT 090408	●	33	32	44	186	99	126	60			

R: Sağ / Right / Rechts L: Sol/Left/Links
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ZCC Ucuna Uygunur. / Compatible with ZCC Insert. / Kompatibel mit ZCC Wendeplatten.



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Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 12.5XD3 SPGT 050204

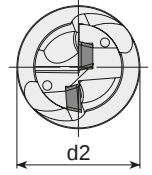
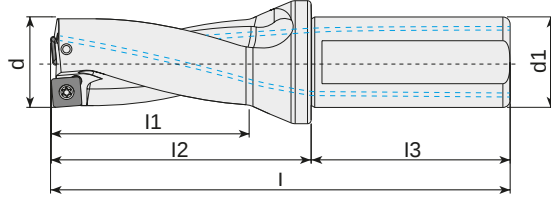
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu
Ordering Code
Bestell-Bezeichnung

Stok
Stock
Lager

Takım Ölçüleri (mm)
Dimension (mm)
Abmessung (mm)

Kesici Uç
Insert
Wendeschneidplatte

Yedek Parçaları / Spare Parts / Ersatzteile

Sıkma Vidası
Screw
Schraube

Tork Anahtar
Torx Key
Torx-Schlüssel

ATUM 34XD3 SPGT 110408
ATUM 35XD3 SPGT 110408
ATUM 37XD3 SPGT 110408
ATUM 38XD3 SPGT 110408
ATUM 39XD3 SPGT 110408
ATUM 40XD3 SPGT 110408
ATUM 42XD3 SPGT 140512
ATUM 43XD3 SPGT 140512
ATUM 44XD3 SPGT 140512
ATUM 49XD3 SPGT 140512
ATUM 50XD3 SPGT 140512

d	d1	d2	l	l1	l2	l3
34	32	44	189	102	129	60
35	32	44	192	105	132	60
37	32	44	198	111	138	60
38	32	44	201	114	141	60
39	32	44	204	117	144	60
40	32	44	207	120	147	60
42	32	44	213	126	153	60
43	32	44	216	129	156	60
44	32	44	219	132	159	60
49	40	54	249	147	179	70
50	40	54	252	150	182	70

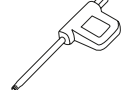
SPGT 110408

SPGT 140512



4015-M4x11

1020-M5x11



80-T15

80-T20

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ZCC Ucuna Uygun. / Compatible with ZCC Insert. / Kompatibel mit ZCC Wendeschneidplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 34XD3 SPGT 110408

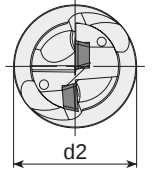
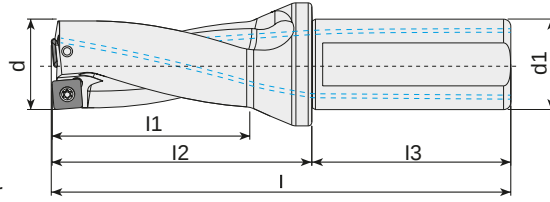
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
S.320 / Bedienungsanleitung für Vollbohrer





Delme Derinliği
 Drilling Depth
 Bohrtiefe

= 4xÇap
 = 4xDiameter
 = 4xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 13XD4 SPGT 050204	●	13	20	25	124	52	74	50	SPGT 050204	3006-M2x4	80-T06
ATUM 14XD4 SPGT 050204	●	14	20	25	128	56	78	50			
ATUM 15XD4 SPGT 050204	●	15	20	25	132	60	82	50			
ATUM 16XD4 SPGT 060204	●	16	25	34	142	64	86	56			
ATUM 17XD4 SPGT 060204	●	17	25	34	146	68	90	56			
ATUM 17.5XD4 SPGT 060204	●	17.5	25	34	146	68	90	56	SPGT 060204	3007-M2.2x5	80-T07
ATUM 18XD4 SPGT 060204	●	18	25	34	150	72	94	56			
ATUM 19XD4 SPGT 060204	●	19	25	34	154	76	98	56			
ATUM 19.5XD4 SPGT 060204	●	19.5	25	34	154	76	98	56			
ATUM 20XD4 SPGT 060204	●	20	25	34	158	80	102	56			
ATUM 21XD4 SPGT 060204	●	21	25	34	162	84	106	56	SPGT 07T308	3008-M2.5x6	80-T08
ATUM 22XD4 SPGT 07T308	●	22	25	34	166	88	110	56			
ATUM 23XD4 SPGT 07T308	●	23	25	34	170	92	114	56			
ATUM 23.5XD4 SPGT 07T308	●	23.5	25	34	170	92	114	56			
ATUM 24XD4 SPGT 07T308	●	24	25	34	174	96	118	56			
ATUM 25XD4 SPGT 07T308	●	25	25	34	178	100	122	56	SPGT 090408	4015-M3.5x9	80-T15
ATUM 26XD4 SPGT 07T308	●	26	25	34	182	104	126	56			
ATUM 27.5XD4 SPGT 07T308	●	27.5	25	34	186	108	130	56			
ATUM 28XD4 SPGT 090408	●	28	25	34	190	112	134	56			
ATUM 29XD4 SPGT 090408	●	29	25	34	194	116	138	56			
ATUM 30XD4 SPGT 090408	●	30	32	44	207	120	147	60	SPGT 110408	4015-M4x11	80-T15
ATUM 33.5XD4 SPGT 090408	●	33.5	32	44	219	132	159	60			
ATUM 38XD4 SPGT 110408	●	38	32	44	239	152	179	60			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

ZCC Ucuna Uygun. / Compatible with ZCC Insert. / Kompatibel mit ZCC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 13XD4 SPGT 050204

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

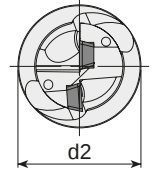
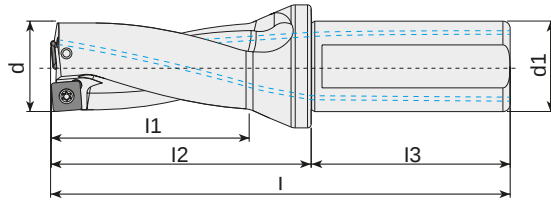
S.320 / Bedienungsanleitung für Vollbohrer





Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendescheidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 14XD3 SO.. 050204	●	14	20	25	114	42	64	50	SO.. 050204	3006-M2x4	80-T06
ATUM 15XD3 SO.. 050204	●	15	20	25	117	45	67	50			
ATUM 16XD3 SO.. 050204	●	16	25	34	126	48	70	56			
ATUM 16.5XD3 SO.. 050204	●	16.5	25	34	126	48	70	56			
ATUM 17XD3 SO.. 050204	●	17	25	34	129	51	73	56			
ATUM 17.5XD3 SO.. 050204	●	17.5	25	34	129	51	73	56	SO.. 060304	3007-M2.2x5	80-T07
ATUM 18XD3 SO.. 060304	●	18	25	34	132	54	76	56			
ATUM 19XD3 SO.. 060204	●	19	25	34	135	57	79	56			
ATUM 20XD3 SO.. 060304	●	20	25	34	138	60	82	56	SO.. 070305	3008-M2.5x6	80-T08
ATUM 22XD3 SO.. 070305	●	22	25	34	144	66	88	56			
ATUM 22.5XD3 SO.. 070305	●	22.5	25	34	144	66	88	56			
ATUM 23XD3 SO.. 070305	●	23	25	34	147	69	91	56			
ATUM 24XD3 SO.. 070305	●	24	25	34	150	72	94	56	SO.. 09T306	4010-M3x8	80-T10
ATUM 25XD3 SO.. 09T306	●	25	25	34	153	75	97	56			
ATUM 26XD3 SO.. 09T306	●	26	25	34	156	78	100	56			
ATUM 27XD3 SO.. 09T306	●	27	25	34	159	81	103	56			
ATUM 29XD3 SO.. 09T306	●	29	25	34	174	87	114	56			
ATUM 30XD3 SO.. 09T306	●	30	32	44	177	90	117	60			
ATUM 31XD3 SO.. 09T306	●	31	32	44	200	93	120	60			
ATUM 33XD3 SO.. 09T306	●	33	32	44	186	99	126	60	SO..120408	4015-M4X11	80-T15
ATUM 35XD3 SO.. 120408	●	35	32	44	192	105	132	60			
ATUM 36XD3 SO.. 120408	●	36	32	44	195	108	135	60			
ATUM 37XD3 SO.. 120408	●	37	32	44	198	111	138	60			
ATUM 38XD3 SO.. 120408	●	38	32	44	201	114	141	60			
ATUM 39XD3 SO.. 120408	●	39	32	44	204	117	144	60			
ATUM 40XD3 SO.. 120408	●	40	32	44	207	120	147	60			
ATUM 43XD3 SO.. 120408	●	43	32	44	216	129	156	60			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISCR Ucuna Uygunudur. / Compatible with ISCR Insert. / Kompatibel mit ISCR Wendeplatten.

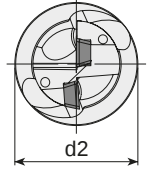
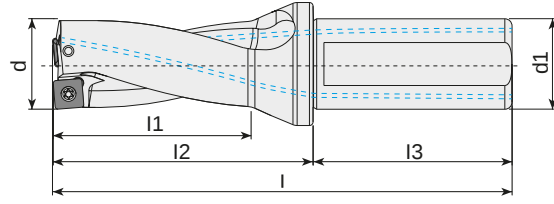
Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ATUM 14XD3 SO.. 050204

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
 Drilling Depth
 Bohrtiefe

= 4xÇap
 = 4xDiameter
 = 4xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendescheidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 14XD4 SO.. 050204	●	14	20	25	128	56	78	50	SO.. 050204	3006-M2x4	80-T06
ATUM 14.5XD4 SO.. 050204	●	14.5	20	25	128	56	78	50			
ATUM 15XD4 SO.. 050204	●	15	20	25	132	60	62	50			
ATUM 15.5XD4 SO.. 050204	●	15.5	20	25	132	60	82	50			
ATUM 17XD4 SO.. 050204	●	17	25	34	146	68	90	56	SO.. 060304	3007-M2.2x5	80-T07
ATUM 19XD4 SO.. 060304	●	19	25	34	154	76	98	56			
ATUM 19.5XD4 SO.. 060304	●	19.5	25	34	154	76	98	56			
ATUM 20XD4 SO.. 060304	●	20	25	34	158	80	102	56			
ATUM 21XD4 SO.. 070305	●	21	25	34	162	84	106	56	SO.. 070305	3008-M2.5x6	80-T08
ATUM 22XD4 SO.. 070305	●	22	25	34	166	88	110	56			
ATUM 22.5XD4 SO.. 070305	●	22.5	25	34	166	88	110	56			
ATUM 23XD4 SO.. 070305	●	23	25	34	170	92	114	56			
ATUM 24XD4 SO.. 070305	●	24	25	34	174	96	118	56	SO.. 09T306	4010-M3x8	80-T10
ATUM 25XD4 SO.. 09T306	●	25	25	34	178	100	122	56			
ATUM 27XD4 SO.. 09T306	●	27	25	34	186	108	130	56			
ATUM 28XD4 SO.. 09T306	●	28	25	34	190	112	134	56			
ATUM 29XD4 SO.. 09T306	●	29	25	34	194	116	138	56			
ATUM 30XD4 SO.. 09T306	●	30	32	44	207	120	147	60			
ATUM 31XD4 SO.. 09T306	●	31	32	44	211	124	151	60			
ATUM 33XD4 SO.. 09T306	●	33	32	44	219	132	159	60			
ATUM 34XD4 SO.. 09T306	●	34	32	44	223	136	163	60	SO..120408	4015-M4X11	80-T15
ATUM 35XD4 SO.. 120408	●	35	32	44	227	140	167	60			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
 ISCR Ucuna Uygunudur. / Compatible with ISCR Insert. / Kompatibel mit ISCR Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

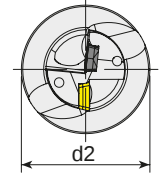
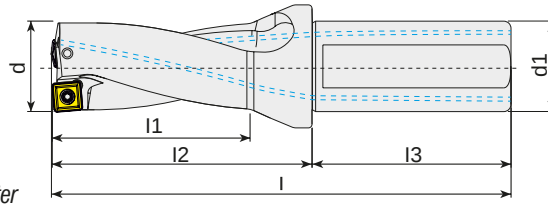
1 ad./pcs./stück ATUM 14XD4 SO.. 050204

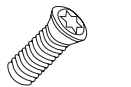
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
 S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 2xÇap
= 2xDiameter
= 2xDurchmesser



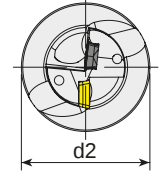
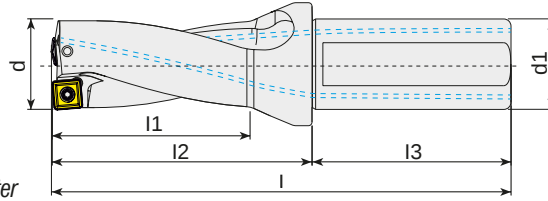
Takım Kodu Ordering Code Bestell-Bezeichnung					Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
														Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
						d	d ₁	d ₂	l	l ₁	l ₂	l ₃			
ATUM 14XD2 KDR 0502..	●	14	20	25	100	28	50	50	SPMT 050204-XOMT 050204	3006-M2x4	80-T06				
ATUM 18XD2 KDR 0602..	●	18	25	34	114	36	58	56	SPMT 060205-XOMT 060204	3007-M2.2x5	80-T07				
ATUM 20XD2 KDR 07T2..	●	20	25	34	118	40	62	56	SPMT 07T208 XOMT 07T205	3008-M2.5x6	80-T08				
ATUM 22XD2 KDR 07T2..	●	22	25	34	122	44	66	56							
ATUM 24XD2 KDR 0903..	●	24	25	34	126	48	70	56	SPMT 090308 XOMT 090305	3008-M3x7					
ATUM 25XD2 KDR 0903..	●	25	25	34	128	50	72	56							
ATUM 26XD2 KDR 0903..	●	26	25	34	130	52	74	56							
ATUM 28XD2 KDR 0903..	●	28	25	34	134	56	78	56	SPMT 11T308 XOMT 11T306	4015-M3.5x9	80-T15				
ATUM 30XD2 KDR 11T3..	●	30	25	34	147	60	87	60							
ATUM 32XD2 KDR 11T3..	●	32	32	44	151	64	91	60							
ATUM 34XD2 KDR 11T3..	●	34	32	44	155	68	95	60							

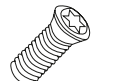
KRLY Ucuna Uygun. / Compatible with KRLY Insert. / Kompatibel mit KRLY Wendeplatten.



Delme Derinliği
Drilling Depth
Bohrtiefe

= 4xÇap
= 4xDiameter
= 4xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung				Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
													Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
					d	d ₁	d ₂	l	l ₁	l ₂	l ₃			
ATUM 14XD4 KDR 0502..	●	14	20	25	128	56	78	50	SPMT 050204 XOMT 050204	3006-M2x4	80-T06			
ATUM 14.5XD4 KDR 0502..	●	14.5	20	25	128	56	78	50						
ATUM 15XD4 KDR 0502..	●	15	20	25	132	60	82	50						
ATUM 15.5XD4 KDR 0502..	●	15.5	20	25	132	60	82	50						
ATUM 16XD4 KDR 0502..	●	16	25	34	142	64	86	56	SPMT 060205 XOMT 060204	3007-M2.2x5	80-T07			
ATUM 17XD4 KDR 0602..	●	17	25	34	146	68	90	56						
ATUM 17.5XD4 KDR 0602..	●	17.5	25	34	146	68	90	56						
ATUM 18XD4 KDR 0602..	●	18	25	34	150	72	94	56						
ATUM 18.5XD4 KDR 0602..	●	18.5	25	34	150	72	94	56	SPMT 07T208 XOMT 07T205	3008-M2.5x6	80-T08			
ATUM 19XD4 KDR 0602..	●	19	25	34	154	76	98	56						
ATUM 20XD4 KDR 07T2..	●	20	25	34	158	80	102	56						
ATUM 21XD4 KDR 07T2..	●	21	25	34	162	84	106	56						
ATUM 22XD4 KDR 07T2..	●	22	25	34	166	88	110	56	SPMT 090308 XOMT 090305	3008-M3x7				
ATUM 24XD4 KDR 0903..	●	24	25	34	174	96	118	56						
ATUM 25XD4 KDR 0903..	●	25	25	34	178	100	122	56						

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

KRLY Ucuna Uygun. / Compatible with KRLY Insert. / Kompatibel mit KRLY Wendeplatten.

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319 / S.320 / Bedienungsanleitung für Vollbohrer

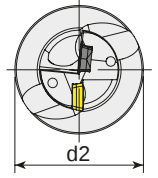
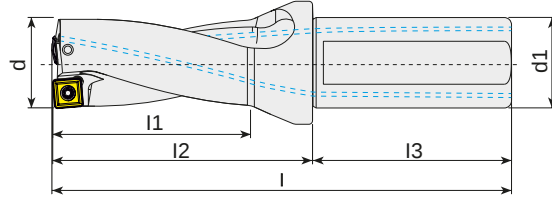
Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 14XD3 SO.. 050204



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 12.5XD3 KDR 0402..	●	12.5	20	25	108	36	58	50	SPMT 040204 XOMT 040204	3006-M2x4	80-T06
ATUM 13XD3 KDR 0402..	●	13	20	25	111	39	61	50			
ATUM 14XD3 KDR 0502..	●	14	20	25	114	42	64	50	SPMT 050204 XOMT 050204	3006-M2x4	80-T06
ATUM 14.5XD3 KDR 0502..	●	14.5	20	25	114	42	64	50			
ATUM 15XD3 KDR 0502..	●	15	20	25	117	45	67	50	SPMT 060205 XOMT 060204	3007-M2.2x5	80-T07
ATUM 15.5XD3 KDR 0502..	●	15.5	20	25	117	45	67	50			
ATUM 16XD3 KDR 0502..	●	16	25	34	126	48	70	56	SPMT 07T208 XOMT 07T205	3008-M2.5x6	80-T08
ATUM 16.5XD3 KDR 0602..	●	16.5	25	34	126	48	70	56			
ATUM 17XD3 KDR 0602..	●	17	25	34	129	51	73	56	SPMT 090308 XOMT 090305	3008-M3x7	80-T15
ATUM 17.5XD3 KDR 0602..	●	17.5	25	34	129	51	73	56			
ATUM 18XD3 KDR 0602..	●	18	25	34	132	54	76	56	SPMT 11T308 XOMT 11T306	4015-M3.5x9	80-T15
ATUM 18.5XD3 KDR 0602..	●	18.5	25	34	132	54	76	56			
ATUM 19XD3 KDR 0602..	●	19	25	34	135	57	79	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 19.5XD3 KDR 0602..	●	19.5	25	34	135	57	79	56			
ATUM 20XD3 KDR 07T2..	●	20	25	34	138	60	82	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 20.5XD3 KDR 07T2..	●	20.5	25	34	138	60	82	56			
ATUM 21XD3 KDR 07T2..	●	21	25	34	141	63	85	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 22XD3 KDR 07T2..	●	22	25	34	144	66	88	56			
ATUM 23XD3 KDR 07T2..	●	23	25	34	147	69	91	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 23.5XD3 KDR 07T2..	●	23.5	25	34	147	69	91	56			
ATUM 24XD3 KDR 0903..	●	24	25	34	150	72	94	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 24.5XD3 KDR 0903..	●	24.5	25	34	150	72	94	56			
ATUM 25XD3 KDR 0903..	●	25	25	34	153	75	97	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 26XD3 KDR 0903..	●	26	25	34	156	78	100	56			
ATUM 27XD3 KDR 0903..	●	27	25	34	159	81	103	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 28XD3 KDR 0903..	●	28	25	34	162	84	106	56			
ATUM 29XD3 KDR 0903..	●	29	25	34	165	87	109	56	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 30XD3 KDR 11T3..	●	30	32	44	177	90	117	60			
ATUM 32XD3 KDR 11T3..	●	32	32	44	183	96	123	60	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 33XD3 KDR 11T3..	●	33	32	44	186	99	126	60			
ATUM 34XD3 KDR 11T3..	●	34	32	44	189	102	129	60	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 35XD3 KDR 11T3..	●	35	32	44	192	105	132	60			
ATUM 37XD3 KDR 1304..	●	37	32	44	198	111	138	60	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 38XD3 KDR 1304..	●	38	32	44	201	114	141	60			
ATUM 39XD3 KDR 1304..	●	39	32	44	204	117	144	60	SPMT 130410 XOMT 130406	4015-M4x11	80-T15
ATUM 40XD3 KDR 1304..	●	40	32	44	207	120	147	60			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
KRLY Ucuna Uygun dur. / Compatible with KRLY Insert. / Kompatibel mit KRLY Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

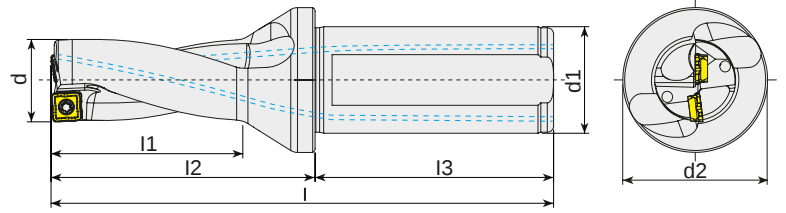
1 ad./pcs./stück ATUM 12.5XD3 KDR 0402..

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 2xÇap
= 2xDiameter
= 2xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 14XD2 SOMT 050204	●	14	20	25	100	28	50	50	SOMT 050204	3006-M2x4	80-T06
ATUM 16XD2 SOMT 050204	●	16	25	34	110	32	54	56			
ATUM 17XD2 SOMT 060204	●	17	25	34	112	34	56	56	SOMT 060204	3007-M2.2x5	80-T07
ATUM 18XD2 SOMT 060204	●	18	25	34	114	36	58	56			
ATUM 20XD2 SOMT 070306	●	20	25	34	118	40	62	56	SOMT 070306	3008-M2.5x6	80-T08
ATUM 22XD2 SOMT 070306	●	22	25	34	122	44	66	56			
ATUM 24XD2 SOMT 08T306	●	24	25	34	126	48	70	56	SOMT 08T306	4015-M3.5x9	80-T15
ATUM 25XD2 SOMT 08T306	●	25	25	34	128	50	72	56			
ATUM 26XD2 SOMT 08T306	●	26	25	34	130	52	74	56	SOMT 09T308	4015-M4x11	80-T20
ATUM 27XD2 SOMT 09T308	●	27	25	34	132	54	76	56			
ATUM 28XD2 SOMT 09T308	●	28	25	34	134	56	78	56	SOMT 11T308	1020-M5x11	
ATUM 30XD2 SOMT 09T308	●	30	32	44	147	60	87	60			
ATUM 32XD2 SOMT 11T308	●	32	32	44	151	64	91	60	SOMT 130408		
ATUM 33XD2 SOMT 11T308	●	33	32	44	153	66	93	60			
ATUM 34XD2 SOMT 11T308	●	34	32	44	155	68	95	60	SOMT 150510		
ATUM 35XD2 SOMT 11T308	●	35	32	44	157	70	97	60			
ATUM 37XD2 SOMT 130408	●	37	32	44	161	74	101	60	SOMT 150510		
ATUM 38XD2 SOMT 130408	●	38	32	44	163	76	103	60			
ATUM 40XD2 SOMT 130408	●	40	32	44	167	80	107	60	SOMT 150510		
ATUM 45XD2 SOMT 150510	●	45	40	54	192	90	122	70			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

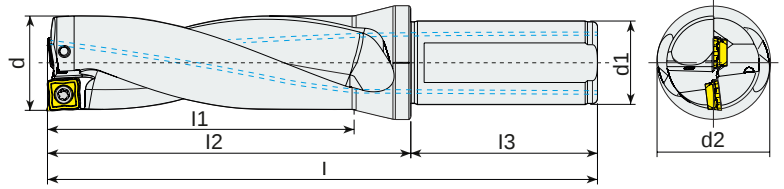
1 ad./pcs./stück ATUM 14XD2 SOMT 050204

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319
S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3xÇap
= 3xDiameter
= 3xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 14XD3 SOMT 050204	●	14	20	25	114	42	64	50	SOMT 050204	3006-M2x4	80-T06
ATUM 14.5XD3 SOMT 050204	●	14.5	20	25	114	42	64	50			
ATUM 15XD3 SOMT 050204	●	15	20	25	117	45	67	50			
ATUM 15.5XD3 SOMT 050204	●	15.5	20	25	117	45	67	50			
ATUM 16XD3 SOMT 050204	●	16	25	34	126	48	70	56			
ATUM 16.5XD3 SOMT 060204	●	16.5	25	34	126	48	70	56	SOMT 060204	3007-M2.2x5	80-T07
ATUM 17XD3 SOMT 060204	●	17	25	34	129	51	73	56			
ATUM 17.5XD3 SOMT 060204	●	17.5	25	34	129	51	73	56			
ATUM 18XD3 SOMT 060204	●	18	25	34	132	54	76	56			
ATUM 18.5XD3 SOMT 060204	●	18.5	25	34	132	54	76	56			
ATUM 19XD3 SOMT 060204	●	19	25	34	135	57	79	56	SOMT 070306	3008-M2.5x6	80-T08
ATUM 19.5XD3 SOMT 070306	●	19.5	25	34	135	57	79	56			
ATUM 20XD3 SOMT 070306	●	20	25	34	138	60	82	56			
ATUM 20.5XD3 SOMT 070306	●	20.5	25	34	138	60	82	56			
ATUM 21XD3 SOMT 070306	●	21	25	34	141	63	85	56			
ATUM 22XD3 SOMT 070306	●	22	25	34	144	66	88	56	SOMT 08T306	4015-M3.5x9	80-T15
ATUM 22.5XD3 SOMT 08T306	●	22.5	25	34	144	66	88	56			
ATUM 23XD3 SOMT 08T306	●	23	25	34	147	69	91	56			
ATUM 23.5XD3 SOMT 08T306	●	23.5	25	34	147	69	91	56			
ATUM 24XD3 SOMT 08T306	●	24	25	34	150	72	94	56			
ATUM 24.5XD3 SOMT 08T306	●	24.5	25	34	150	72	94	56	SOMT 09T308	4015-M4x11	80-T20
ATUM 25XD3 SOMT 08T306	●	25	25	34	153	75	97	56			
ATUM 26XD3 SOMT 08T306	●	26	25	34	156	78	100	56			
ATUM 27XD3 SOMT 09T308	●	27	25	34	159	81	103	56			
ATUM 27.5XD3 SOMT 09T308	●	27.5	25	34	159	81	103	56			
ATUM 28XD3 SOMT 09T308	●	28	25	34	162	84	106	56	SOMT 11T308	1020-M5x11	80-T20
ATUM 29XD3 SOMT 09T308	●	29	25	34	165	87	109	56			
ATUM 30XD3 SOMT 09T308	●	30	32	44	177	90	117	60			
ATUM 32XD3 SOMT 11T308	●	32	32	44	183	96	123	60			
ATUM 33XD3 SOMT 11T308	●	33	32	44	186	99	126	60			
ATUM 34XD3 SOMT 11T308	●	34	32	44	189	102	129	60	SOMT 130408	1020-M5x11	80-T20
ATUM 35XD3 SOMT 11T308	●	35	32	44	192	105	132	60			
ATUM 36XD3 SOMT 11T308	●	36	32	44	195	108	135	60			
ATUM 37XD3 SOMT 130408	●	37	32	44	198	111	138	60			
ATUM 38XD3 SOMT 130408	●	38	32	44	201	114	141	60			
ATUM 39XD3 SOMT 130408	●	39	32	44	204	117	144	60	SOMT 150510	1020-M5x11	80-T20
ATUM 40XD3 SOMT 130408	●	40	32	44	207	120	147	60			
ATUM 45XD3 SOMT 150510	●	45	40	54	237	135	167	70			
ATUM 49XD3 SOMT 150510	●	49	40	54	249	147	179	70			
ATUM 50XD3 SOMT 150510	●	50	40	54	252	150	182	70			

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

TGTC Ucuna Uygun. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendepatten.



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Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 14XD3 SOMT 050204

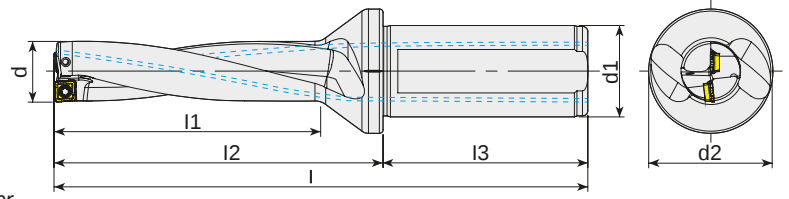
Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Delme Derinliği
Drilling Depth
Bohrtiefe

= 4xÇap
= 4xDiameter
= 4xDurchmesser



Takım Kodu
Ordering Code
Bestell-Bezeichnung

Stok
Stock
Lager

Takım Ölçüleri (mm)
Dimension (mm)
Abmessung (mm)

Kesici Uç
Insert
Wendeschneidplatte

Yedek Parçaları / Spare Parts / Ersatzteile

Sıkma Vidası
Screw
Schraube

Tork Anahtar
Torx Key
Torx-Schlüssel

ATUM 14XD4 SOMT 050204
ATUM 14.5XD4 SOMT 050204
ATUM 16XD4 SOMT 050204
ATUM 17XD4 SOMT 060204
ATUM 17.5XD4 SOMT 060204
ATUM 18XD4 SOMT 060204
ATUM 19XD4 SOMT 060204
ATUM 20XD4 SOMT 070306
ATUM 21XD4 SOMT 070306
ATUM 22XD4 SOMT 070306
ATUM 24XD4 SOMT 08T306
ATUM 25XD4 SOMT 08T306

● ● ● ● ● ● ● ● ● ● ● ● ●

14 14.5 16 17 17.5 18 19 20 21 22 24 25

20 20 25 25 25 25 25 25 25 25 25 25

25 25 34 34 34 34 34 34 34 34 34 34

128 128 142 146 146 150 154 158 162 166 174 178

56 56 64 68 68 72 76 80 84 88 96 100

78 78 86 90 90 94 98 102 106 110 118 122

50 50 56 56 56 56 56 56 56 56 56 56

SOMT 050204

SOMT 060204

SOMT 070306

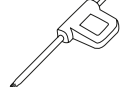
SOMT 08T306



3006-M2x4

3007-M2.2x5

3008-M2.5x6



80-T06

80-T07

80-T08

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

TGTC Ucuna Uygun. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM ATUM 14XD4 SOMT 050204

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

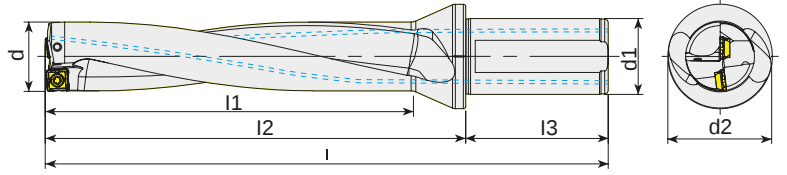
S.320 / Bedienungsanleitung für Vollbohrer





Delme Derinliği
Drilling Depth
Bohrtiefe

= 5xÇap
= 5xDiameter
= 5xDurchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile			
										Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel		
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃					
ATUM 13XD5 SOMT 050204	●	13	20	25	137	65	87	50	SOMT 050204	3006-M2x4	80-T06		
ATUM 14XD5 SOMT 050204	●	14	20	25	142	70	92	50					
ATUM 15XD5 SOMT 050204	●	15	20	25	147	75	97	50					
ATUM 15.5XD5 SOMT 050204	●	15.5	20	25	147	75	97	50					
ATUM 16XD5 SOMT 050204	●	16	25	34	158	80	102	56					
ATUM 17.5XD5 SOMT 060204	●	17	25	34	163	85	107	56	SOMT 060204	3007-M2.2x5	80-T07		
ATUM 18XD5 SOMT 060204	●	18	25	34	168	90	112	56					
ATUM 19XD5 SOMT 060204	●	19	25	34	173	95	117	56					
ATUM 19.5XD5 SOMT 070306	●	19	25	34	173	95	117	56	SOMT 070306			3008-M2.5x6	80-T08
ATUM 20XD5 SOMT 070306	●	20	25	34	178	100	122	56					
ATUM 21XD5 SOMT 070306	●	21	25	34	183	105	127	56					
ATUM 22XD5 SOMT 070306	●	22	25	34	188	110	132	56					
ATUM 23XD5 SOMT 08T306	●	23	25	34	193	115	137	56	SOMT 08T306	4015-M3.5x9	80-T15		
ATUM 24XD5 SOMT 08T306	●	24	25	34	198	120	142	56					
ATUM 25XD5 SOMT 08T306	●	25	25	34	203	125	147	56					
ATUM 26XD5 SOMT 08T306	●	26	25	34	208	130	152	56					
ATUM 27XD5 SOMT 09T308	●	27	25	34	213	135	157	56	SOMT 09T308				
ATUM 28XD5 SOMT 09T308	●	28	25	34	218	140	162	56					
ATUM 29XD5 SOMT 09T308	●	29	25	34	223	145	167	56					
ATUM 30XD5 SOMT 09T308	●	30	32	44	237	150	177	60					
ATUM 33XD5 SOMT 11T308	●	33	32	44	252	165	192	60	SOMT 11T308				
ATUM 34XD5 SOMT 11T308	●	34	32	44	257	170	197	60					
ATUM 35XD5 SOMT 11T308	●	35	32	44	262	175	202	60					
ATUM 36XD5 SOMT 11T308	●	36	32	44	267	180	207	60					

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

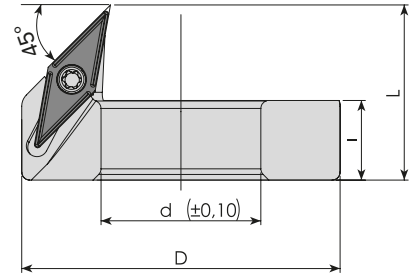
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 13XD5 SOMT 050204

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer



Takım Kodu
Ordering Code
Bestell-Bezeichnung

Stok
Stock
Lager

Takım Ölçüleri (mm)
Dimension (mm)
Abmessung (mm)

Kullanılacak
ATUM Ölçüsü
Compatible
ATUM Diameter
Verwendeter Vollbohrer

Yedek Parçaları / Spare Parts / Ersatzteile

Kesici Uç
Insert
Wendeschneidplatte

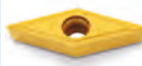
Sıkma Vidası
Screw
Schraube

Tork Anahtar
Torx Key
Torx-Schlüssel

Montaj Vidası
Mounting Screw
Befestigungsschraube

Montaj Vida Anahtar
Mounting Screw Key
Innensechskantschlüssel

D d l L ATUM Ø



ADCR-120-VB1103	●	32	12	10	22	12.5
ADCR-125-VB1103	●	32.5	12.5	10	22	13
ADCR-130-VB1103	●	33	13	10	22	13.5
ADCR-135-VB1103	●	33.5	13.5	10	22	14
ADCR-140-VB1103	●	34	14	10	22	14.5
ADCR-145-VB1103	●	34.5	14.5	10	22	15
ADCR-150-VB1103	●	35	15	10	22	15.5-16
ADCR-155-VB1103	●	35.5	15.5	10	22	16.5
ADCR-160-VB1103	●	36	16	10	22	17
ADCR-165-VB1103	●	36.5	16.5	10	22	17.5
ADCR-170-VB1103	●	37	17	10	22	18
ADCR-175-VB1103	●	37.5	17.5	10	22	18.5
ADCR-180-VB1103	●	38	18	10	22	19
ADCR-185-VB1103	●	38.5	18.5	10	22	19.5
ADCR-190-VB1103	●	39	19	10	22	20
ADCR-195-VB1103	●	39.5	19.5	10	22	20.5
ADCR-200-VB1103	●	40	20	10	22	21
ADCR-205-VB1103	●	40.5	20.5	10	22	21.5
ADCR-210-VB1103	●	41	21	10	22	22
ADCR-215-VB1103	●	41.5	21.5	10	22	22.5
ADCR-220-VB1103	●	42	22	10	22	23
ADCR-225-VB1103	●	42.5	22.5	10	22	23.5
ADCR-230-VB1103	●	43	23	10	22	24
ADCR-235-VB1103	●	43.5	23.5	10	22	24.5
ADCR-240-VB1103	●	44	24	10	22	25
ADCR-245-VB1103	●	44.5	24.5	10	22	25.5
ADCR-250-VB1103	●	45	25	10	22	26
ADCR-255-VB1103	●	45.5	25.5	10	22	26.5
ADCR-260-VB1103	●	46	26	10	22	27
ADCR-265-VB1103	●	46.5	26.5	10	22	27.5
ADCR-270-VB1103	●	47	27	10	22	28
ADCR-275-VB1103	●	47.5	27.5	10	22	28.5
ADCR-280-VB1103	●	48	28	10	22	29
ADCR-285-VB1103	●	48.5	28.5	10	22	29.5
ADCR-290-VB1103	●	49	29	10	22	30
ADCR-295-VB1103	●	49.5	29.5	10	22	30.5
ADCR-300-VB1103	●	50	30	10	22	31

VBM. 1103..

4008-M2.5x6

80-T08

AAV-14-M5x14

AAL-03-3

R: Sağ / Right / Rechts L: Sol/Left/Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

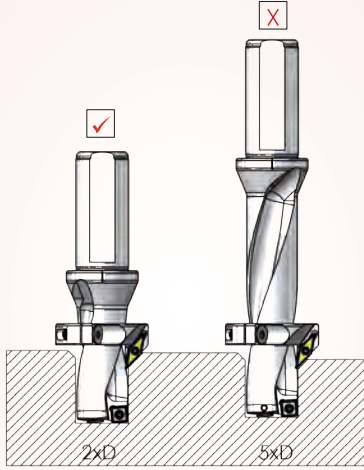
1 ad./pcs./stück ADCR-120-VB1103

Takma Uçlu Matkap Kullanım Kılavuzu : S 319 / User's Guide For U-Drills : P 319

S.320 / Bedienungsanleitung für Vollbohrer

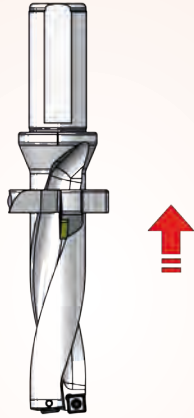
Tavsiye Edilen / Recommended / Empfehlung

A



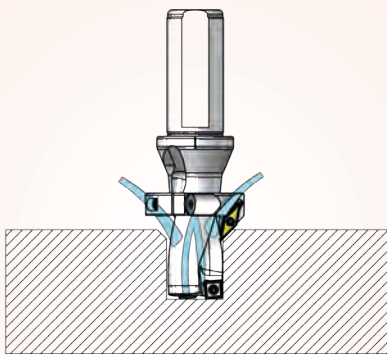
Mümkünse, her zaman kısa bir delme takımı kullanın. Değilse, titreşimi en aza indirmek için kesme hızını azaltın.
 If possible, use it always short drilling tools. Otherwise, reduce your speeds to minimize vibration.
 Bitte möglichst kurze Bohrwerkzeuge verwenden. Sollte dies nicht möglich sein, reduzieren Sie bitte die Geschwindigkeit, um Vibrationen zu vermeiden.

B



Mümkün olduğunca pah kırma halkasını shaft kısmına yakın montaj yap.
 Get close to the mounting shaft of the chamfering ring as possible.
 Befestigen Sie den Fasing möglichst nah am Schaft.

C



Daha iyi uç ömrü için harici soğutucu ve matkap ucu iç soğutucu uygulamak.
 Apply external cooling and internal coolant drill for a better life for inserts.
 Setzen Sie innere und äußere Kühlung ein, um die Standzeit der Wendeplatten zu erhöhen.

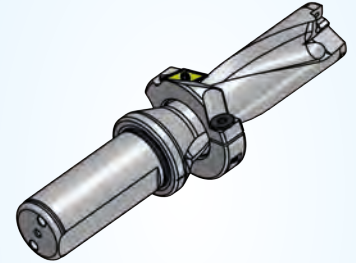
Montaj Şekli / Mounting System / Montage-Hinweise

1



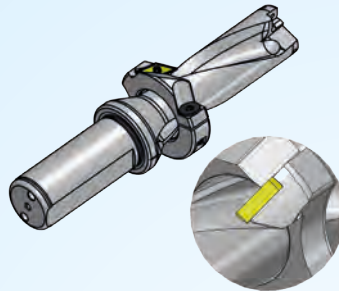
Matkap gövdesi üzerine pah kırma halkasını takın.
 Put the chamfering ring to drill body.
 Schieben Sie den Fasing auf den Bohrkörper.

2



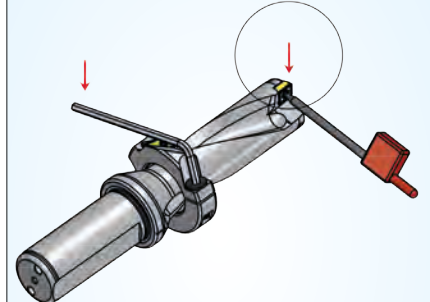
İstenilen konuma pah kırma halkasını kaydırın.
 Please slide chamfering ring to the desired position.
 Befestigen Sie den Fasing an der gewünschten Position.

3



Pah kırma halkasını talaş akışına mani olmayacak şekilde helis başlangıcına denk getirin.
 Please keep chamfering ring position which will not resist to fluiding chips and try to be equal to the helix start points.
 Positionieren Sie den Fasing bündig mit der Bohrspirale um einen problemlosen Späne-transport zu gewährleisten.

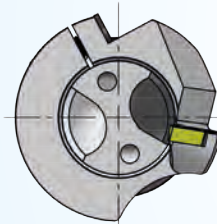
4



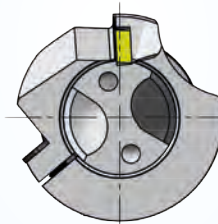
Pah kırma halkasını sıkın ve matkabin uçlarını takın.
 Tightening the chamfering ring and put the drill insert.
 Den Fasing festziehen und die Bohr-Wendeplatten einbauen.

Pah kırma halkasının doğru montaj şekli.
 Proper installation of chamfering rings.
 Korrekte Montage des Fasings.

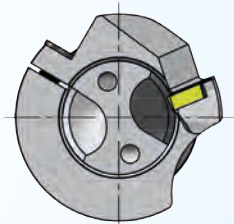
✓

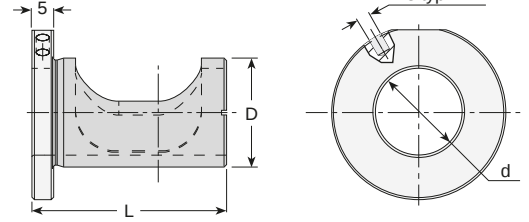


✗



✗





Takım Kodu
Ordering Code
Bestell-Bezeichnung

Stok
 Stock
 Lager

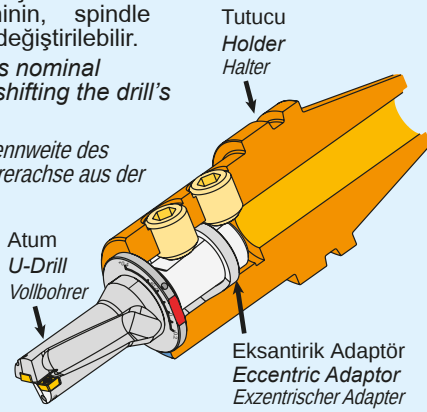
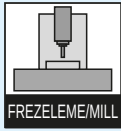
Takım Ölçüleri (mm)
 Dimension (mm)
 Abmessung (mm)

		d	D	L
AET-2025	●	20	25	44
AET-2532	●	25	32	46
AET-3240	●	32	40	55

■ (1) Delik ince bir metal yardımıyla adaptörün radyal olarak ayarlanmasını kolaylaştırmak için kullanılır. / Holes for inserting a pin, used to facilitate radial adjustment of the sleeve (pin not supplied).
 Bohrung zum Einsetzen eines Stiftes mit dem der Adapter radial eingestellt werden kann (Stift ist nicht im Lieferumfang enthalten).

Frezeleme tezgahında takma uçlu matkabın nominal çapı, matkabın ekseninin, spindle eksenine göre ötelenmesiyle değiştirilebilir.
 On a milling machine the drill's nominal diameter can be changed by shifting the drill's axis out of the tool spindle.

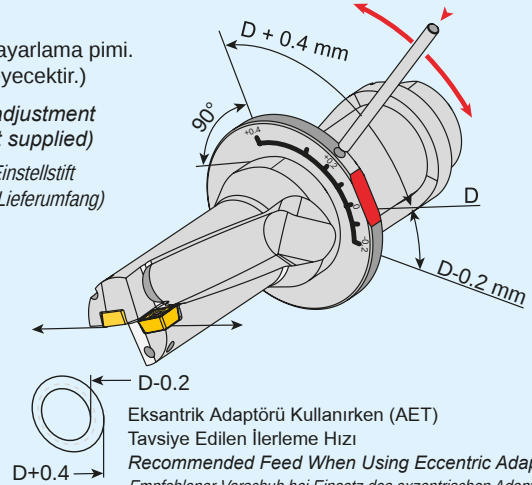
Auf einer Fräsmaschine kann die Nennweite des Bohrers durch Verschieben der Bohrerachse aus der Spindelachse verändert werden.



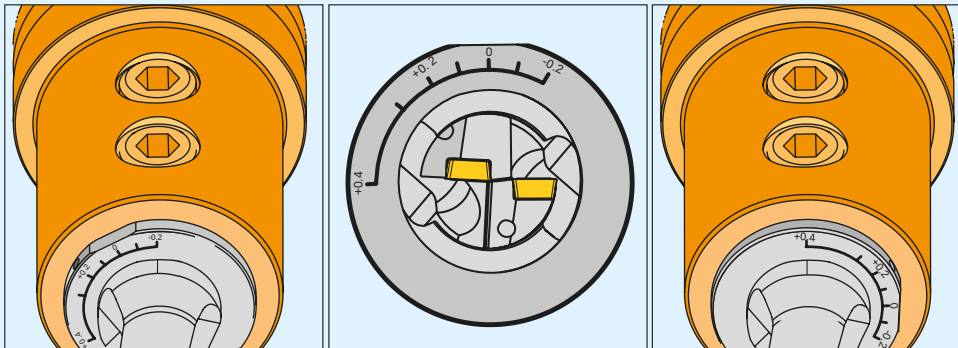
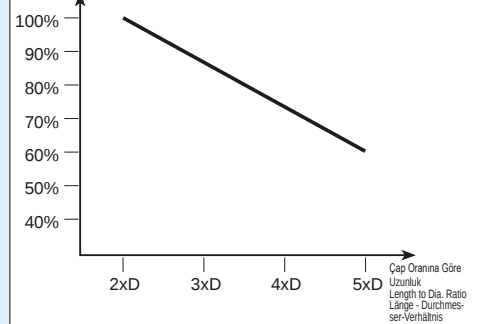
Radyal ayarlama pimi.
 (Verilmeyecektir.)

Radial adjustment pin.
 (not supplied)

Radial - Einstellstift
 (nicht im Lieferumfang)



Tavsiye Edilen İlerleme Hızı / Recommended Feed Rate /
 Empfohlener Vorschub



ATUM'un üzerindeki düz çizgi adaptörün sıfır rakamının üzerine konulmalıdır. AET'nin (eksantrik adaptörün) çevrilmesini kolaylaştırmak için AET'nin üzerindeki deliğe, metal bir çubuk ya da vida anahtarı yerleştirilebilir. AET'yi ayarlamadan önce tutucunun vidasını hafifçe çözün.

The adjustment markings should be located perpendicular to the flat on the circumference of the U-DRILL flange. To facilitate the rotation of the adaptor, a metal rod or a screw key may be inserted into a hole on the excentric adaptor flange. Unlock adapter screw before adjusting adaptor.

Die Einstellmarkierung sollte senkrecht zur Fläche des Bohrerschafes stehen. Zum Drehen des Adapters sollte ein Stift in die Bohrung am Adapterflansch eingesetzt werden. Lösen Sie die Adapter-Schraube vor dem Einstellen des Adapters.

Delik Çapı
 24.8 mm
 Hole Diameter
 Lochdurchmesser

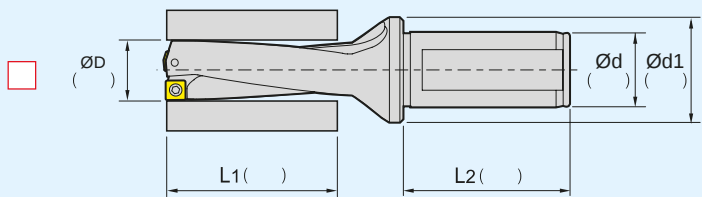
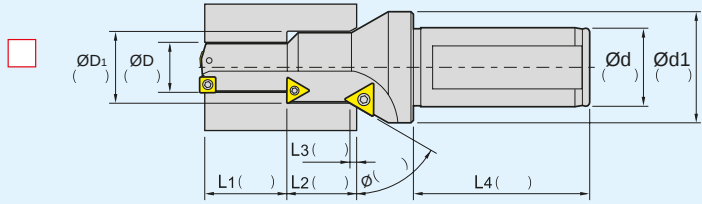
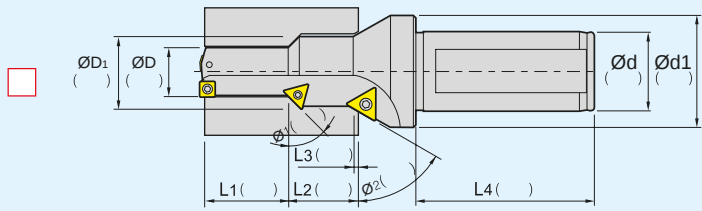
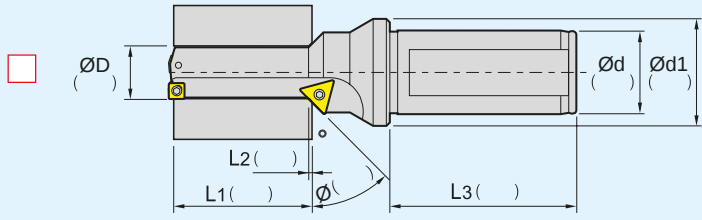
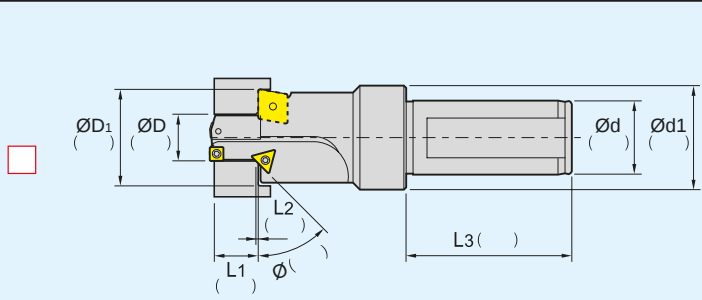
U-Drill Çapı = 25 mm
 Drill Diameter = 25 mm
 Vollbohrer Durchmesser = 25mm

Delik Çapı
 25 mm
 Hole Diameter
 Lochdurchmesser

U-Drill Çapı = 25 mm
 Drill Diameter = 25 mm
 Vollbohrer Durchmesser = 25mm

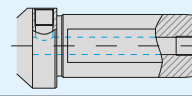
Delik Çapı
 25.4 mm
 Hole Diameter
 Lochdurchmesser

U-Drill Çapı = 25 mm
 Drill Diameter = 25 mm
 Vollbohrer Durchmesser = 25mm



• Soğutma Tipi / Coolant type / Kühlmittelanschluss

- ☐ Yağ Deliği Dalma Kismında
Oil Hole On the Plunge Part
Kühlmittelzuführung über den Bund
- ☐ Yağ Deliği Şaft Kismında
"Oil hole On the Shank"
Kühlmittelbohrung durch den Schaft



• Delik Tipi / Hole Type / Bohrungstyp

- ☐ Kapalı Delik
Blind Hole
Grundbohrung
- ☐ Açık Delik
Thru Hole
Durchgangsbohrung

• Şaft Tipleri / Types of Shank / Schaftausführung

- ☐ Düz Tip
Flat Type
Bohrungstyp
- ☐ Weldon Tip
Weldon Type
Weldon-Schaft
- ☐ Eğimli Yargı Tipi
Whistle Notch Type
Whistle-Notch-Schaft

• Yargı Bağlama Yeri / Location of Side Lock / Position der Spannfläche

- ☐ Dış Uca Parellel (Standart)
Parallel to Peripheral Insert (Standard)
Parallel zur äußeren Wendeplatte
- ☐ Dış Uca 90° Açılı
90° angle to peripheral insert
90° außen abgewinkelt
- ☐ Dış Uca 150° Açılı
150° angle to peripheral insert
150° außen abgewinkelt
- ☐ Dış Uca 180° Açılı
180° angle to peripheral insert
180° außen abgewinkelt

• Not / Note / Hinweis :

- Şu Anki Kullanılan Takım / Currently Using Tool
- Aktuell verwendetes Werkzeug
- Şu Anki Kesme Durumu / Current Cutting Condition
- Aktuelle Schnittbedingungen
 - RPM ya da vc(mm/min) / - RPM or vc(m/min)
 - Umdrehungen pro Minute oder vc (m/min.)
 - vf(mm/min) ya da fn(mm/rev)
 - vf(mm/min) or fn(mm/rev) vf (mm/min.) oder fn (mm/Umdr.)
 - Kesme Derinliği / Depth of Cut(mm)
 - Schnitttiefe (mm)
- Ölçülen Standart Takım Ömrü / Standard of Measuring Tool Life
- Standzeit des Werkzeugs
- Şu Anki Kullanılan Makinalar / Currently Using Machine
- Aktuell eingesetzte Maschine
- İşleme Merkezi / Machining Center
- Bearbeitungszentrum
- Genel Torna / General Lathe
- Drehmaschine
- CNC Torna / CNC Lathe
- CNC-Drehmaschine