

DELİK DELME ve İŞLEME TAKIMLARI
DRILLING and HOLEMAKING TOOLS





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

U-DRILL

TAKMA UÇLU MATKAPLAR
U-DRILL SYSTEM



www.akkо.com.tr

Дистрибьютер ООО "Ресурс Плюс"
+7 (351) 247-74-40; info@rp-ural.ru



AKKO **A** **TUM** **16** x **D3**

S **P** **G** **T** **06** **02** **04**

2 Kesiş Stili / Cutter Style

TUM : Takma Uçlu Matkap / U-Drill

3 Takım Çapı / Tool Diameter

4 Delme Derinliği / Drilling Depth

D x 2
D x 3
D x 4

5 Uç Şekli / Insert Form

W **S**

6 Serbest Uç Açısı / Clearance angle of Insert

C **P**

8 Uç Tipi / Type of Insert

A J T
 $\beta = 70-90^\circ$ $\beta = 70-90^\circ$ $\beta = 40-60^\circ$

B M U
 $\beta = 70-90^\circ$ $\beta = 40-60^\circ$ $\beta = 40-60^\circ$

C N W
 $\beta = 70-90^\circ$ $\beta = 40-60^\circ$ $\beta = 40-60^\circ$

F Q X Special / Özel

G R

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

10 Kalınlık / Thickness

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

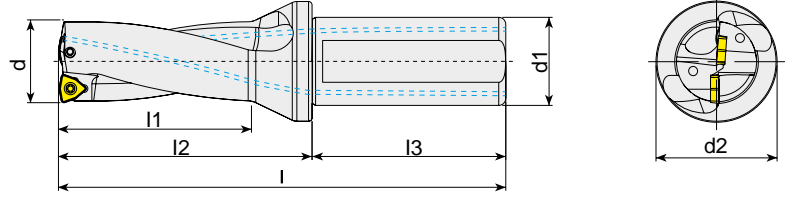
	d	m	t
A	± 0.025	± 0.005	± 0.025
C	± 0.025	± 0.013	± 0.025
E	± 0.025	± 0.025	± 0.025
F	± 0.013	± 0.005	± 0.025
G	± 0.025	± 0.025	± 0.130
H	± 0.013	± 0.013	± 0.025
J	± 0.05-0.15	± 0.005	± 0.025
K	± 0.05-0.15	± 0.013	± 0.025
L	± 0.05-0.15	± 0.025	± 0.025
M	± 0.05-0.15	± 0.08-0.20	± 0.130
N	± 0.05-0.15	±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

d : Daire Ölçüsü / Incribed Circle
m : Şekle Göre / Refer to Figure
t : Kalınlık / Thickness

9 Kesme Kenar Uzunluğu / Cutting Edge Length

11 Köşe Konfigürasyonu / Corner Radius

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

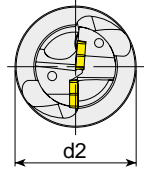
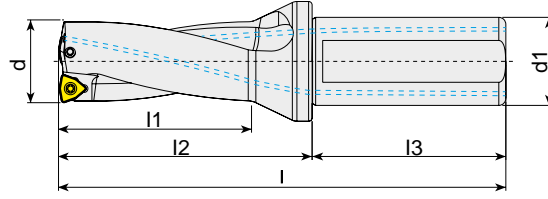


Delme Derinliği = 2xÇap
Drilling Depth = 2xDiameter

Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
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			
ATUM 20.5XD2 WCM. 040208	●	20.5	25	34	118	40	62	56			
ATUM 21XD2 WCM. 040208	●	21	25	34	120	42	64	56	WCM. 040208	3008-M2.5x6	80-T08
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	1008-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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ISO Ucuna Uygunudur. / Compatible with ISO Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 16xD2 WCM. 030208
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 2xÇap
Drilling Depth = 2xDiameter

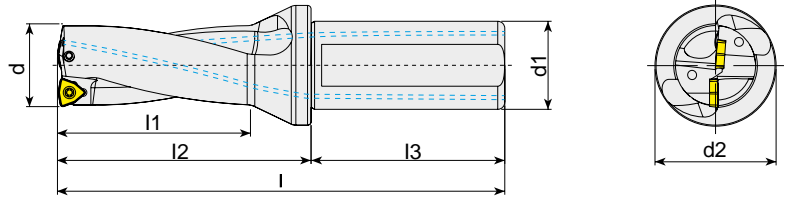
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 30XD2 WCM. 06T308	●	30	32	44	147	60	87	60	WCM. 06T308	1510-M3.5x9	80-T10
ATUM 31XD2 WCM. 06T308	●	31	32	44	149	62	89	60			
ATUM 32XD2 WCM. 06T308	●	32	32	44	151	64	91	60			
ATUM 33XD2 WCM. 06T308	●	33	32	44	153	66	93	60			
ATUM 34XD2 WCM. 06T308	●	34	32	44	155	68	95	60			
ATUM 35XD2 WCM. 06T308	●	35	32	44	157	70	97	60			
ATUM 36XD2 WCM. 06T308	●	36	32	44	159	72	99	60			
ATUM 37XD2 WCM. 06T308	●	37	32	44	161	74	101	60			
ATUM 38XD2 WCM. 06T308	●	38	32	44	163	76	103	60			
ATUM 39XD2 WCM. 06T308	●	39	32	44	165	78	105	60			
ATUM 40XD2 WCM. 06T308	●	40	32	44	167	80	107	60			
ATUM 41XD2 WCM. 06T308	●	41	32	44	169	82	109	60			
ATUM 42XD2 WCM. 06T308	●	42	32	44	171	84	111	60			
ATUM 43XD2 WCM. 06T308	●	43	32	44	173	86	113	60			
ATUM 44XD2 WCM. 06T308	●	44	32	44	175	88	115	60			
ATUM 45XD2 WCM. 080412	●	45	40	54	192	90	122	70			
ATUM 46XD2 WCM. 080412	●	46	40	54	194	92	124	70			
ATUM 47XD2 WCM. 080412	●	47	40	54	196	94	126	70			
ATUM 48XD2 WCM. 080412	●	48	40	54	198	96	128	70			
ATUM 49XD2 WCM. 080412	●	49	40	54	200	98	130	70			
ATUM 50XD2 WCM. 080412	●	50	40	54	202	100	132	70			
ATUM 51XD2 WCM. 080412	●	51	40	54	204	102	134	70			
ATUM 52XD2 WCM. 080412	●	52	40	54	206	104	136	70			
ATUM 53XD2 WCM. 080412	●	53	40	54	208	106	138	70			
ATUM 54XD2 WCM. 080412	●	54	40	54	210	108	140	70			
ATUM 55XD2 WCM. 080412	●	55	40	54	212	110	142	70			
ATUM 56XD2 WCM. 080412	●	56	40	64	214	112	144	70			
ATUM 57XD2 WCM. 080412	●	57	40	64	216	114	146	70			
ATUM 58XD2 WCM. 080412	●	58	40	64	218	116	148	70			
ATUM 59XD2 WCM. 080412	●	59	40	64	220	118	150	70			
ATUM 60XD2 WCM. 080412	●	60	40	64	222	120	152	70			

R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ISO Ucuna Uygundur. / Compatible with ISO Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 30xD2 WCM. 06T308
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



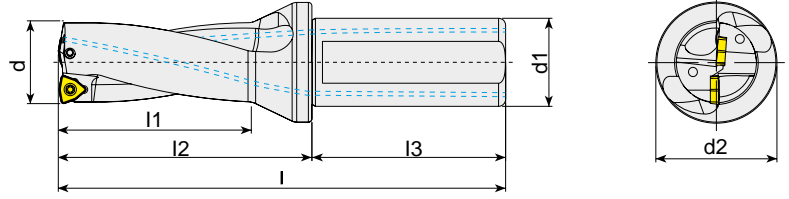
Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter





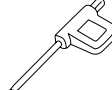


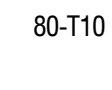
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 16XD3 WCM. 030208	●	16	25	34	126	48	70	56	WCM. 030208	3008-M2.5x6	80-T08
ATUM 16.5XD3 WCM. 030208	●	16.5	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			
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	1008-M3x8	80-T08
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			
ATUM 28.5XD3 WCM. 050308	●	28.5	25	34	162	84	106	56			
ATUM 29XD3 WCM. 050308	●	29	25	34	165	87	109	56	WCM. 06T308	1510-M3.5x9	80-T10
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			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ISO Ucuna Uygunudur. / Compatiple with ISO Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 16xD3 WCM. 030208
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter

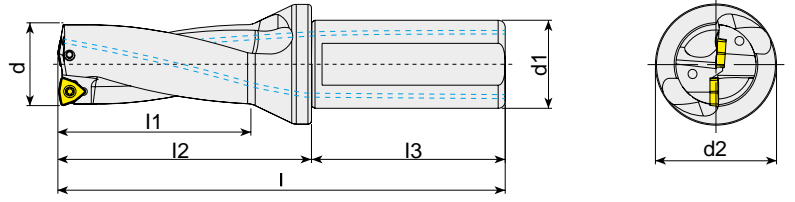
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 35XD3 WCM. 06T308	●	35	32	44	192	105	132	60			
ATUM 35.5XD3 WCM. 06T308	●	35.5	32	44	192	105	132	60			
ATUM 36XD3 WCM. 06T308	●	36	32	44	195	108	135	60			
ATUM 36.5XD3 WCM. 06T308	●	36.5	32	44	195	108	135	60			
ATUM 37XD3 WCM. 06T308	●	37	32	44	198	111	138	60			
ATUM 37.5XD3 WCM. 06T308	●	37.5	32	44	198	111	138	60			
ATUM 38XD3 WCM. 06T308	●	38	32	44	201	114	141	60			
ATUM 38.5XD3 WCM. 06T308	●	38.5	32	44	201	114	141	60			
ATUM 39XD3 WCM. 06T308	●	39	32	44	204	117	144	60			
ATUM 39.5XD3 WCM. 06T308	●	39.5	32	44	204	117	144	60			
ATUM 40XD3 WCM. 06T308	●	40	32	44	207	120	147	60			
ATUM 40.5XD3 WCM. 06T308	●	40.5	32	44	207	120	147	60			
ATUM 41XD3 WCM. 06T308	●	41	32	44	210	123	150	60			
ATUM 41.5XD3 WCM. 06T308	●	41.5	32	44	210	123	150	60			
ATUM 42XD3 WCM. 06T308	●	42	32	44	213	126	153	60			
ATUM 42.5XD3 WCM. 06T308	●	42.5	32	44	213	126	153	60			
ATUM 43XD3 WCM. 06T308	●	43	32	44	216	129	156	60			
ATUM 43.5XD3 WCM. 06T308	●	43.5	32	44	216	129	156	60			
ATUM 44XD3 WCM. 06T308	●	44	32	44	219	132	159	60			
ATUM 44.5XD3 WCM. 06T308	●	44.5	32	44	219	132	159	60			
ATUM 45XD3 WCM. 080412	●	45	40	54	237	135	167	70			
ATUM 45.5XD3 WCM. 080412	●	45.5	40	54	237	135	167	70			
ATUM 46XD3 WCM. 080412	●	46	40	54	240	138	170	70			
ATUM 47XD3 WCM. 080412	●	47	40	54	243	141	173	70			
ATUM 48XD3 WCM. 080412	●	48	40	54	246	144	176	70			
ATUM 49XD3 WCM. 080412	●	49	40	54	249	147	179	70			
ATUM 50XD3 WCM. 080412	●	50	40	54	252	150	182	70			
ATUM 51XD3 WCM. 080412	●	51	40	54	255	153	185	70			
ATUM 52XD3 WCM. 080412	●	52	40	54	258	156	188	70			
ATUM 53XD3 WCM. 080412	●	53	40	54	261	159	191	70			
ATUM 54XD3 WCM. 080412	●	54	40	54	264	162	194	70			
ATUM 55XD3 WCM. 080412	●	55	40	54	267	165	197	70			
ATUM 56XD3 WCM. 080412	●	56	40	64	270	168	200	70			
ATUM 57XD3 WCM. 080412	●	57	40	64	273	171	203	70			
ATUM 58XD3 WCM. 080412	●	58	40	64	276	174	206	70			
ATUM 59XD3 WCM. 080412	●	59	40	64	279	177	209	70			
ATUM 60XD3 WCM. 080412	●	60	40	64	282	180	212	70			

R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ISO Ucuna Uygunudur. / Compatible with ISO Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 35xD3 WCM. 06T308
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 4xÇap
Drilling Depth = 4xDiameter



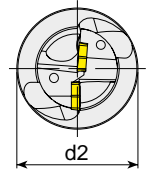
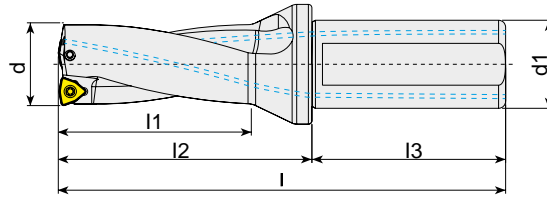
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 16XD4 WCM. 030208	●	16	25	34	142	64	86	56	WCM. 030208		
ATUM 16.5XD4 WCM. 030208	○	16.5	25	34	142	64	86	56			
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	1008-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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ISO Ucuna Uygunudur. / Compatible with ISO Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 16xD4 WCM. 030208
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 4xÇap
Drilling Depth = 4xDiameter



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 30XD4 WCM. 06T308	●	30	32	44	207	120	147	60	WCM. 06T308	1510-M3.5x9	80-T10
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	WCM. 080412	1515-M4x11	80-T15
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			

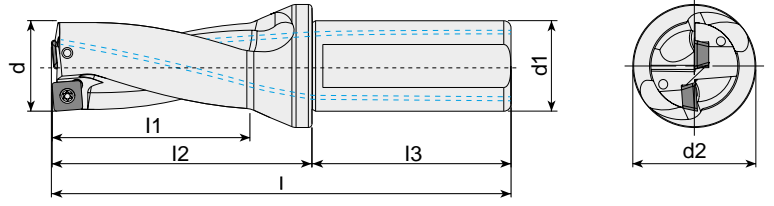
R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ISO Ucuna Uygundur. / Compatible with ISO Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 30xD4 WCM. 06T308
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270





Delme Derinliği = 2xÇap
Drilling Depth = 2xDiameter



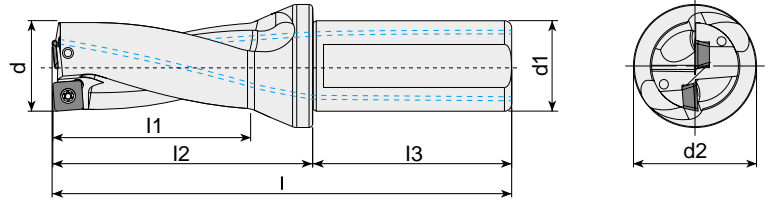
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 12.5XD2 SP.. 050204	●	12.5	20	25	96	24	46	50	SP.. 050204	3006-M2x4	80-T06
ATUM 13XD2 SP.. 050204	●	13	20	25	98	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	SP.. 060204	3007-M2.2x5	80-T07
ATUM 15.5XD2 SP.. 060204	●	15.5	20	25	102	30	52	50			
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	SP.. 07T308	3008-M2.5x6	80-T08
ATUM 20.5XD2 SP.. 060204	●	20.5	25	34	118	40	62	56			
ATUM 21XD2 SP.. 060204	●	21	25	34	120	42	64	56			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygundur. / Compatible with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 12.5xD2 SP.. 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 2xÇap
Drilling Depth = 2xDiameter



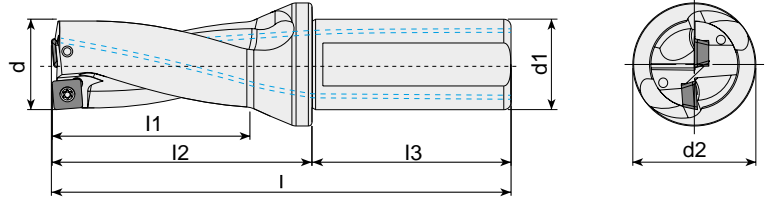
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 28XD2 SP.. 090408	●	28	25	34	134	56	78	56	SP.. 090408	4015-M3.5x9	80-T15
ATUM 28.5XD2 SP.. 090408	●	28.5	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			
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	SP.. 140512	1020-M5x11	80-T20
ATUM 42XD2 SP.. 140512	●	42	32	44	171	84	111	60			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygundur. / Compatible with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 28xD2 SP.. 090408
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter



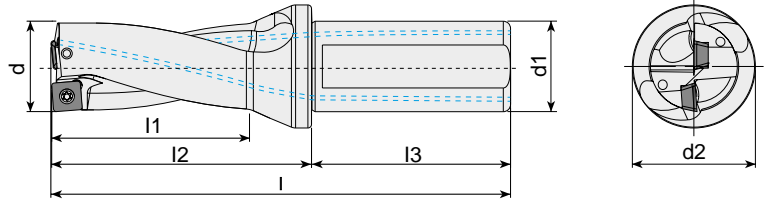
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 12.5XD3 SP.. 050204	●	12.5	20	25	108	36	58	50	SP.. 050204	3006-M2x4	80-T06
ATUM 13XD3 SP.. 050204	●	13	20	25	111	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			
ATUM 15.5XD3 SP.. 060204	●	15.5	20	25	117	45	67	50	SP.. 060204	3007-M2.2x5	80-T07
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			
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			
ATUM 25.5XD3 SP.. 07T308	●	25.5	25	34	153	75	97	56			
ATUM 26XD3 SP.. 07T308	●	26	25	34	156	78	100	56	SP.. 090408	4015-M3.5x9	80-T15
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			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 12.5XD3 SP.. 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter



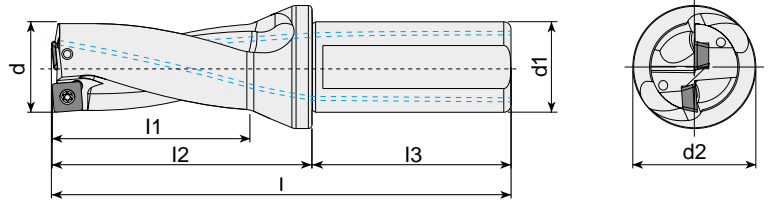
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 34XD3 SP.. 110408	●	34	32	44	189	102	129	60	SP.. 110408	1515-M4x11	80-T15
ATUM 34.5XD3 SP.. 110408	●	34.5	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			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygundur. / Compatiple with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 34xD3 SP.. 110408
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 4xÇap
Drilling Depth = 4xDiameter



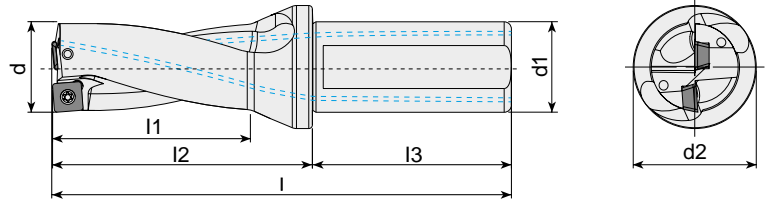
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 13XD4 SP.. 050204	●	13	20	25	124	52	74	50	SP.. 050204	3006-M2x4	80-T06
ATUM 14XD4 SP.. 050204	●	14	20	25	128	56	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			
ATUM 21XD4 SP.. 060204	●	21	25	34	162	84	106	56	SP.. 07T308	3008-M2.5x6	80-T08
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	SP.. 090408	4015-M3.5x9	80-T15
ATUM 27.5XD4 SP.. 07T308	●	27.5	25	34	186	108	130	56			
ATUM 28XD4 SP.. 090408	●	28	25	34	190	112	134	56			
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	SP.. 110408	1515-M4x11	80-T15
ATUM 33.5XD4 SP.. 090408	●	33.5	32	44	219	132	159	60			
ATUM 34XD4 SP.. 110408	●	34	32	44	223	136	163	60			
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	SP.. 140512	1020-M5x11	80-T20
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			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygundur. / Compatible with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 13XD4 SP.. 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 2xÇap
Drilling Depth = 2xDiameter



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
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 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			
ATUM 20XD2 SPGT 060204	●	20	25	34	118	40	62	56	SPGT 07T308	3008-M2.5x6	80-T08
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			
ATUM 25XD2 SPGT 07T308	●	25	25	34	128	50	72	56			
ATUM 26XD2 SPGT 07T308	●	26	25	34	130	52	74	56	SPGT 090408	4015-M3.5x9	80-T15
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	1515-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	SPGT 110408	1515-M4x11	80-T15
ATUM 36XD2 SPGT 110408	●	36	32	44	159	72	99	60			
ATUM 40XD2 SPGT 110408	●	40	32	44	167	80	107	60			

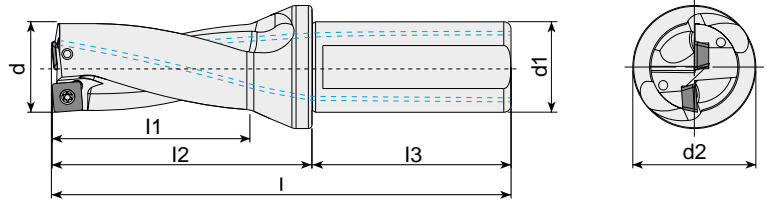
R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ZCC Ucuna Uygunudur. / Compatible with ZCC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 13XD2 SPGT 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270





Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter



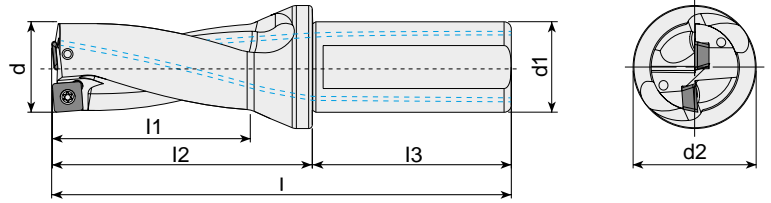
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 12.5XD3 SPGT 050204	●	12.5	20	25	108	36	58	50	SPGT 050204	3006-M2x4	80-T06
ATUM 13XD3 SPGT 050204	●	13	20	25	111	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			
ATUM 15.5XD3 SPGT 060204	●	15.5	20	25	117	45	67	50	SPGT 060204	3007-M2.2x5	80-T07
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			
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	SPGT 07T308	3008-M2.5x6	80-T08
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			
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	SPGT 090408	4015-M3.5x9	80-T15
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			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ZCC Ucuna Uygundur. / Compatible with ZCC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 12.5XD3 SPGT 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 3xÇap
= 4xÇap
Drilling Depth = 3xDiameter
= 4xDiameter



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 34XD3 SPGT 110408	●	34	32	44	189	102	129	60	SPGT 110408	1515-M4x11	80-T15
ATUM 35XD3 SPGT 110408	●	35	32	44	192	105	132	60			
ATUM 37XD3 SPGT 110408	●	37	32	44	198	111	138	60			
ATUM 38XD3 SPGT 110408	●	38	32	44	201	114	141	60			
ATUM 39XD3 SPGT 110408	●	39	32	44	204	117	144	60			
ATUM 40XD3 SPGT 110408	●	40	32	44	207	120	147	60	SPGT 140512	1020-M5x11	80-T20
ATUM 42XD3 SPGT 140512	●	42	32	44	213	126	153	60			
ATUM 43XD3 SPGT 140512	●	43	32	44	216	129	156	60			
ATUM 44XD3 SPGT 140512	●	44	32	44	219	132	159	60			
ATUM 49XD3 SPGT 140512	●	49	40	54	249	147	179	70			
ATUM 50XD3 SPGT 140512	●	50	40	54	252	150	182	70			

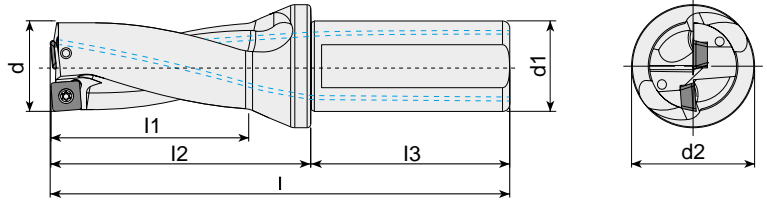
R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ZCC Ucuna Uygunudur. / Compatible with ZCC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 34XD3 SPGT 110408
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270





Delme Derinliği = 4xÇap
Drilling Depth = 4xDiameter



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
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	SPGT 060204	3007-M2.2x5	80-T07
ATUM 17.5XD4 SPGT 060204	●	17.5	25	34	146	68	90	56			
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			
ATUM 22XD4 SPGT 07T308	●	22	25	34	166	88	110	56	SPGT 07T308	3008-M2.5x6	80-T08
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			
ATUM 26XD4 SPGT 07T308	●	26	25	34	182	104	126	56			
ATUM 27.5XD4 SPGT 07T308	●	27.5	25	34	186	108	130	56	SPGT 090408	4015-M3.5x9	80-T15
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			
ATUM 33.5XD4 SPGT 090408	●	33.5	32	44	219	132	159	60	SPGT 110408	1515-M4x11	80-T15
ATUM 38XD4 SPGT 110408	●	38	32	44	239	152	179	60			

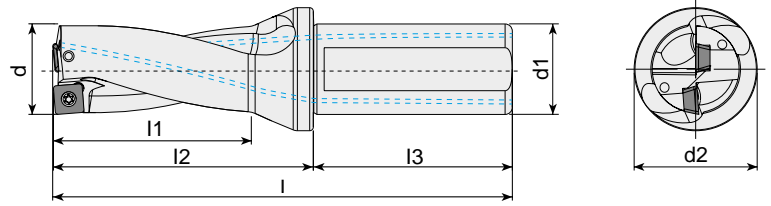
R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ZCC Ucuna Uygunudur. / Compatible with ZCC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 13XD4 SPGT 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270





Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter

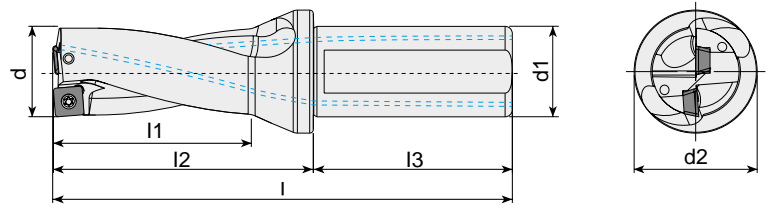


Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 14XD3 SO.. 050204	●	14	20	25	114	42	64	50	SO.. 050204	3006-M2x4	80-T06
ATUM 15XD3 SO.. 050204	●	15	20	25	117	45	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 20XD3 SO.. 060304	●	20	25	34	138	60	82	56			
ATUM 22XD3 SO.. 070305	●	22	25	34	144	66	88	56	SO.. 070305	3008-M2.5x6	80-T08
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			
ATUM 25XD3 SO.. 09T306	●	25	25	34	153	75	97	56	SO.. 09T306	4010-M3x8	80-T10
ATUM 26XD3 SO.. 09T306	●	26	25	34	156	78	100	56			
ATUM 30XD3 SO.. 09T306	●	30	32	44	177	90	117	60			

ISCR Ucuna Uygun. / Compatiple with ISCR Insert.



Delme Derinliği = 4xÇap
Drilling Depth = 4xDiameter



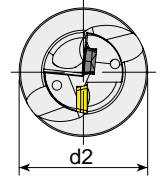
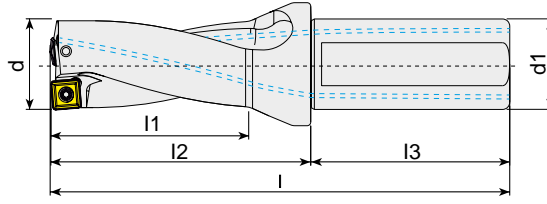
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 14XD4 SO.. 050204	●	14	20	25	128	56	78	50	SO.. 050204	3006-M2x4	80-T06
ATUM 14.5XD4 SO.. 050204	●	14.5	20	25	128	56	78	50			
ATUM 15.5XD4 SO.. 050204	●	15.5	20	25	132	60	82	50			
ATUM 17XD4 SO.. 050204	●	17	25	34	146	68	90	56			
ATUM 19XD4 SO.. 060304	●	19	25	34	154	76	98	56			
ATUM 19.5XD4 SO.. 060304	●	19.5	25	34	154	76	98	56	SO.. 060304	3007-M2.2x5	80-T07
ATUM 20XD4 SO.. 060304	●	20	25	34	158	80	102	56			
ATUM 22XD4 SO.. 070305	●	22	25	34	166	88	110	56			
ATUM 22.5XD4 SO.. 070305	●	22.5	25	34	166	88	110	56	SO.. 070305	3008-M2.5x6	80-T08

R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
ISCR Ucuna Uygun. / Compatiple with ISCR Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 14XD3 SO.. 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 2xÇap
Drilling Depth = 2xDiameter

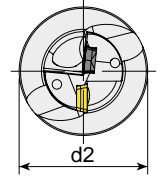
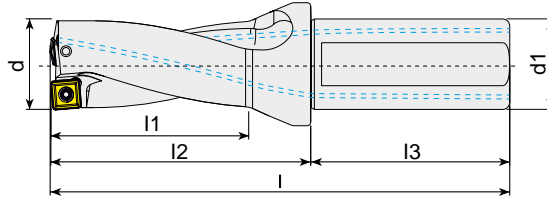


Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)									Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃	Sıkma Vidası Screw	Tork Anahtar Torx Key			
ATUM 14XD2 KDR 0502..	●	14	20	25	100	28	50	50	SPMT 050204-XOMT 050204		3006-M2x4	80-T06	
ATUM 18XD2 KDR 0602..	●	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-M3x8	80-T08	
ATUM 25XD2 KDR 0903..	●	25	25	34	128	50	72	56					
ATUM 26XD2 KDR 0903..	●	26	25	34	130	52	74	56	SPMT 11T308 XOMT 11T306		4015-M3.5x9	80-T15	
ATUM 28XD2 KDR 0903..	●	28	25	34	134	56	78	56					
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.



Delme Derinliği = 4xÇap
Drilling Depth = 4xDiameter



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)									Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃	Sıkma Vidası Screw	Tork Anahtar Torx Key			
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	SPMT 060205 XOMT 060204		3007-M2.2x5	80-T07	
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 07T208 XOMT 07T205		3008-M2.5x6	80-T08	
ATUM 17XD4 KDR 0602..	●	17	25	34	146	68	90	56					
ATUM 17.5XD4 KDR 0602..	●	17.5	25	34	146	68	90	56	SPMT 090308 XOMT 090305		3008-M3x7	80-T08	
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 11T308 XOMT 11T306		4015-M3.5x9	80-T15	
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					
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item

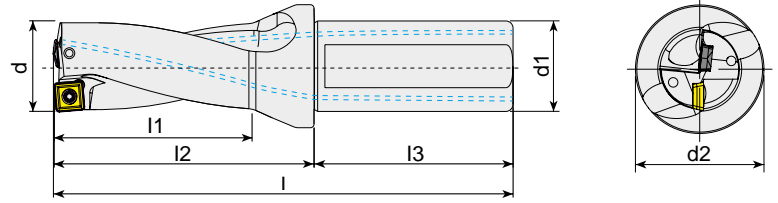
KRLY Ucuna Uygun. / Compatible with KRLY Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 14XD2 KDR 0502..

Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter



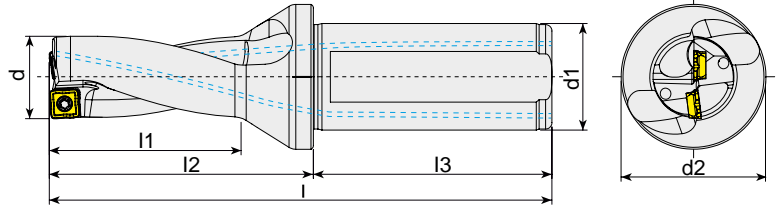
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d1	d2	l	l1	l2	l3		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 12.5XD3 KDR 0402..	●	12.5	20	25	108	36	58	50	SPMT 040204 XOMT 040204	3006-M2x4	80-T06
ATUM 13XD3 KDR 0402..	●	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	1515-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	1515-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	1515-M4x11	80-T15
ATUM 21.5XD3 KDR 07T2..	●	21.5	25	34	141	63	85	56			
ATUM 22XD3 KDR 07T2..	●	22	25	34	144	66	88	56	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 22.5XD3 KDR 07T2..	●	22.5	25	34	144	66	88	56			
ATUM 23XD3 KDR 07T2..	●	23	25	34	147	69	91	56	SPMT 130410 XOMT 130406	1515-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	1515-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	1515-M4x11	80-T15
ATUM 25.5XD3 KDR 0903..	●	25.5	25	34	153	75	97	56			
ATUM 26XD3 KDR 0903..	●	26	25	34	156	78	100	56	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 26.5XD3 KDR 0903..	●	26.5	25	34	156	78	100	56			
ATUM 27XD3 KDR 0903..	●	27	25	34	159	81	103	56	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 27.5XD3 KDR 0903..	●	27.5	25	34	159	81	103	56			
ATUM 28XD3 KDR 0903..	●	28	25	34	162	84	106	56	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 28.5XD3 KDR 0903..	●	28.5	25	34	162	84	106	56			
ATUM 29XD3 KDR 0903..	●	29	25	34	165	87	109	56	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 29.5XD3 KDR 0903..	●	29.5	25	34	165	87	109	56			
ATUM 30XD3 KDR 11T3..	●	30	32	44	177	90	117	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 30.5XD3 KDR 11T3..	●	30.5	32	44	177	90	117	60			
ATUM 32XD3 KDR 11T3..	●	32	32	44	183	96	123	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 32.5XD3 KDR 11T3..	●	32.5	32	44	183	96	123	60			
ATUM 33XD3 KDR 11T3..	●	33	32	44	186	99	126	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 33.5XD3 KDR 11T3..	●	33.5	32	44	186	99	126	60			
ATUM 34XD3 KDR 11T3..	●	34	32	44	189	102	129	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 34.5XD3 KDR 11T3..	●	34.5	32	44	189	102	129	60			
ATUM 35XD3 KDR 11T3..	●	35	32	44	192	105	132	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 35.5XD3 KDR 11T3..	●	35.5	32	44	192	105	132	60			
ATUM 38XD3 KDR 1304..	●	38	32	44	201	114	141	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 38.5XD3 KDR 1304..	●	38.5	32	44	201	114	141	60			
ATUM 39XD3 KDR 1304..	●	39	32	44	204	117	144	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 39.5XD3 KDR 1304..	●	39.5	32	44	204	117	144	60			
ATUM 40XD3 KDR 1304..	●	40	32	44	207	120	147	60	SPMT 130410 XOMT 130406	1515-M4x11	80-T15
ATUM 40.5XD3 KDR 1304..	●	40.5	32	44	207	120	147	60			

R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
KRLY Ucuna Uygundür. / Compatiple with KRLY Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 12.5XD3 KDR 0402..
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 2xÇap
Drilling Depth = 2xDiameter



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

R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygunudur. / Compatiple with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 14XD2 SOMT 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



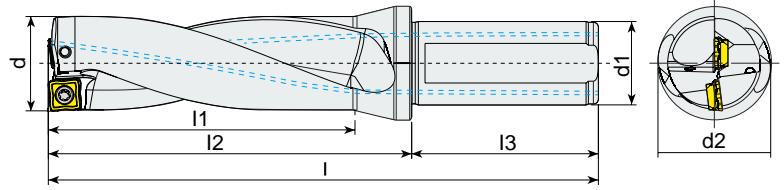
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new



Delme Derinliği = 3xÇap
Drilling Depth = 3xDiameter



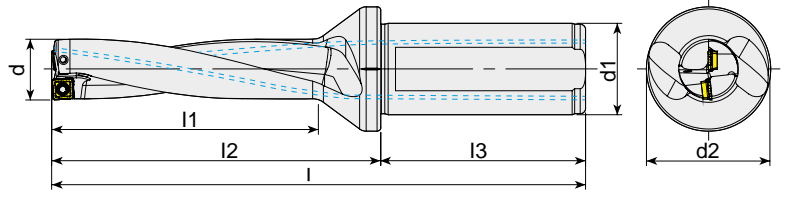
Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 13XD3 SOMT 050204	●	13	20	25	111	39	61	50	SOMT 050204	3006-M2x4	80-T06
ATUM 14XD3 SOMT 050204	●	14	20	25	114	42	64	50			
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	SOMT 060204	3007-M2.2x5	80-T07
ATUM 16.5XD3 SOMT 060204	●	16.5	25	34	126	48	70	56			
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			
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	SOMT 08T306	3008-M2.5x6	80-T08
ATUM 22XD3 SOMT 070305	●	22	25	34	144	66	88	56			
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			
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			
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			
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	SOMT 130408	4015-M4x11	80-T20
ATUM 38XD3 SOMT 130408	●	38	32	44	201	114	141	60			
ATUM 39XD3 SOMT 130408	●	39	32	44	204	117	144	60			
ATUM 40XD3 SOMT 130408	●	40	32	44	207	120	147	60			
ATUM 45XD3 SOMT 150510	●	45	40	54	237	135	167	70	SOMT 150510	1020-M5x11	80-T20
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygunudur. / Compatiple with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 13XD3 SOMT 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Delme Derinliği = 4xÇap
Drilling Depth = 4xDiameter



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 14XD4 SOMT 050204	●	14	20	25	128	56	78	50			
ATUM 16XD4 SOMT 050204	●	16	25	34	142	64	86	56	SOMT 050204	3006-M2x4	80-T06
ATUM 17XD4 SOMT 060204	●	17	25	34	146	68	90	56			
ATUM 18XD4 SOMT 060204	●	18	25	34	150	72	94	56	SOMT 060204	3007-M2.2x5	80-T07
ATUM 19XD4 SOMT 060204	●	19	25	34	154	76	98	56			
ATUM 20XD4 SOMT 070306	●	20	25	34	158	80	102	56	SOMT 070306	3007-M2.2x5	80-T07
ATUM 21XD4 SOMT 070306	●	21	25	34	162	84	106	56			
ATUM 22XD4 SOMT 070306	●	22	25	34	166	88	110	56	SOMT 070306	3007-M2.2x5	80-T07
ATUM 24XD4 SOMT 08T306	●	24	25	34	174	96	118	56			
ATUM 25XD4 SOMT 08T306	●	25	25	34	178	100	122	56	SOMT 08T306	3008-M2.5x6	80-T08

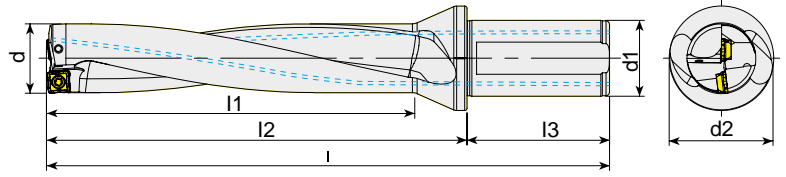
R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 14XD4 SOMT 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270





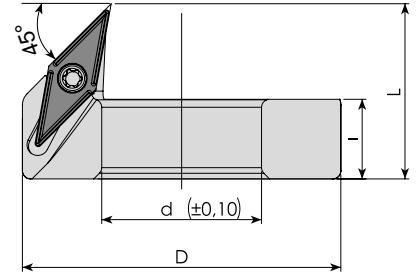
Delme Derinliği = 5xÇap
Drilling Depth = 5xDiameter



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
		d	d ₁	d ₂	l	l ₁	l ₂	l ₃		Sıkma Vidası Screw	Tork Anahtar Torx Key
ATUM 13XD5 SOMT 050204	●	13	20	25	137	65	87	50			
ATUM 14XD5 SOMT 050204	●	14	20	25	142	70	92	50			
ATUM 15XD5 SOMT 050204	●	15	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			
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			
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			
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			
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			
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 L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
TGTC Ucuna Uygundur. / Compatible with TGTC Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. ATUM 13XD5 SOMT 050204
Takma Uçlu Matkap Kullanım Kılavuzu : S 270 / User's Guide For U-Drills : P 270



Takım Kodu Ordering Code	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)				Kullanılacak ATUM Ölçüsü Compatible ATUM Diameter	Yedek Parçaları Spare Parts				
		D	d	l	L		ATUM Ø	Kesici Uç Insert	Sıkma Vidası Screw	Tork Anahtarı Torx Key	Montaj Vidası Mounting Screw
ADCR-120-VB1103	●	32	12	10	22	12.5	VBM. 1103..	4008-M2.5x6	80-T08	AAV-14-M5x14	AAL-03-3
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					

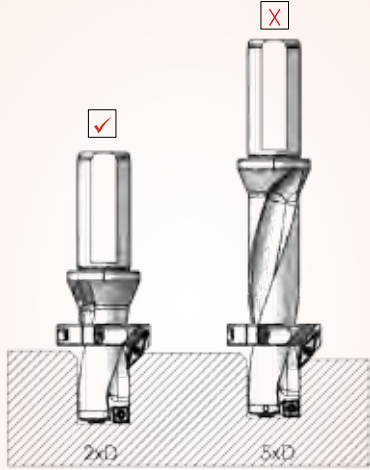
R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item

Sipariş Örneği/Ordering Example : 1 ad./pcs. ADCR-120-VB1103



Tavsiye Edilen / Recommended

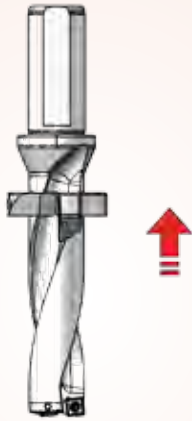
A



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.

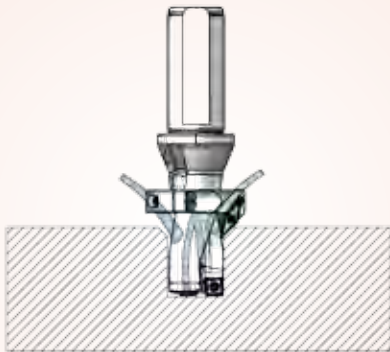
B



Mümkün olduğunca pah kırma halkasını şaft kısmına yakın montaj yap.

Get close to the mounting shaft of the chamfering ring as possible.

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.

Montaj Şekli / Mounting System

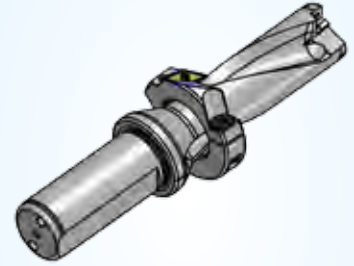
1



Matkap gövdesi üzerine pah kırma halkasını takın.

Put the chamfering ring to drill body.

2



İstenilen konuma pah kırma halkasını kaydırın.

Please slide chamfering ring to the desired position.

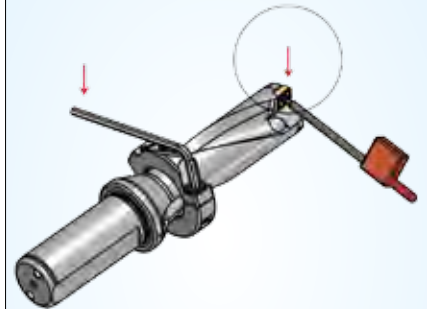
3



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.

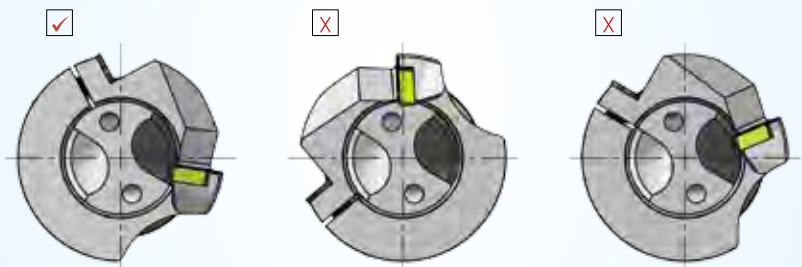
4

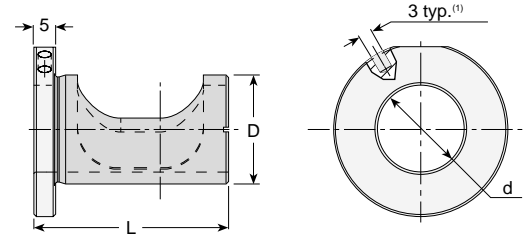


Pah kırma halkasını sıkın ve matkabin uçlarını takın.

Tightening the chamfering ring and put the drill insert.

Pah kırma halkasının doğru montaj şekli.
Proper installation of chamfering rings.





Takım Kodu
Ordering Code

Stok
Stock

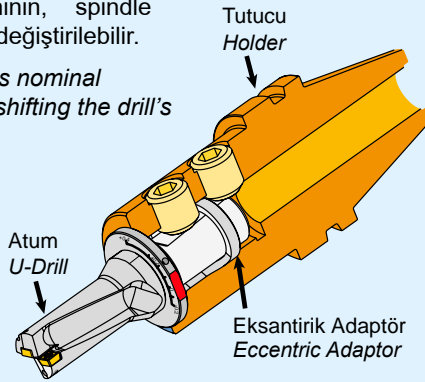
Takım Ölçüleri (mm)
Dimension (mm)

Takım Kodu Ordering Code	Stok Stock	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).

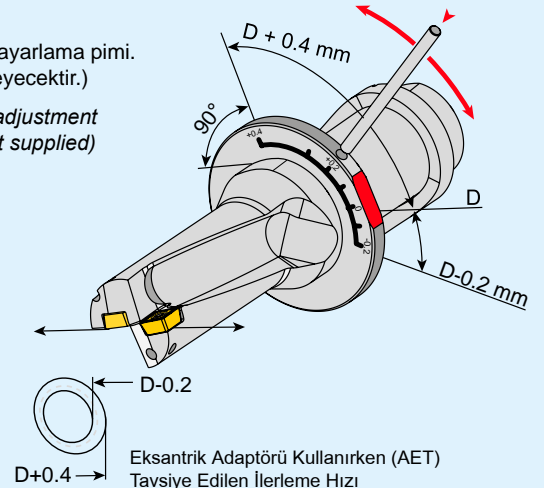
Frezeleme tezgahında takma uçlu matkabın nominal çapı, matkabın ekseninin, spindle eksenine göre ötelenmesiyle değiştirilebilir.

On a milling machine the drill's nominal diameter can be changed by shifting the drill's axis out of the tool spindle.

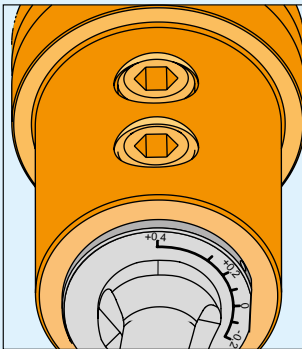
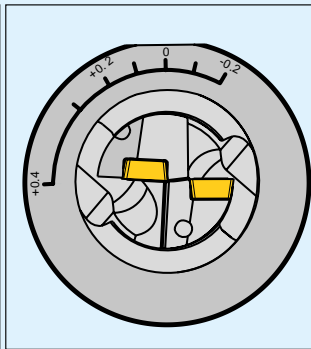
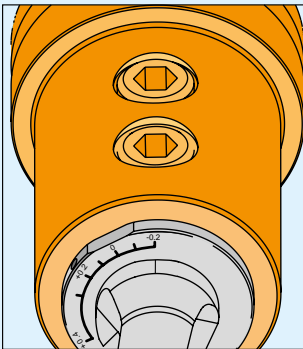
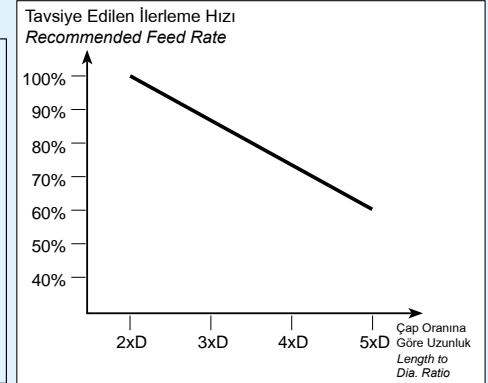


Radyal ayarlama pimi.
(Verilmeyecektir.)

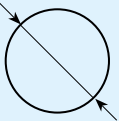
Radial adjustment pin.
(not supplied)



Eksantrik Adaptörü Kullanırken (AET)
Tavsiye Edilen İlerleme Hızı
Recommended Feed Rate When Using Eccentric Adaptor

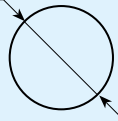


Delik Çapı
24.8 mm
Hole Diameter



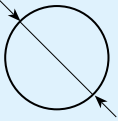
U-Drill Çapı = 25 mm
Drill Diameter = 25 mm

Delik Çapı
25 mm
Hole Diameter



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

Delik Çapı
25.4 mm
Hole Diameter

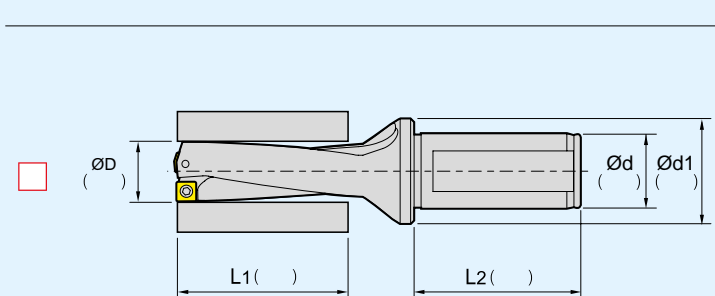
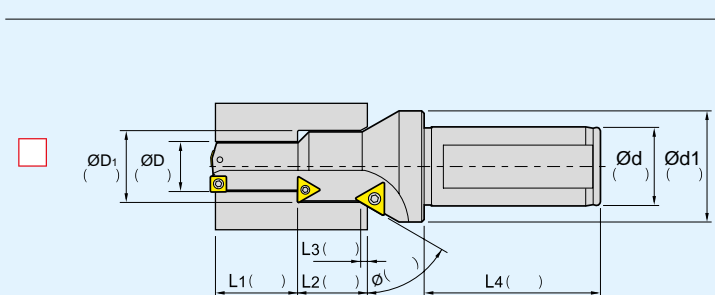
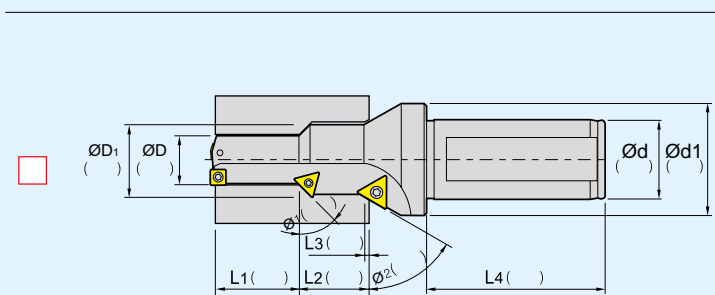
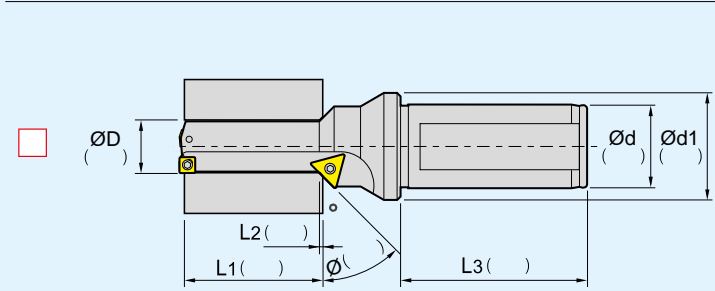
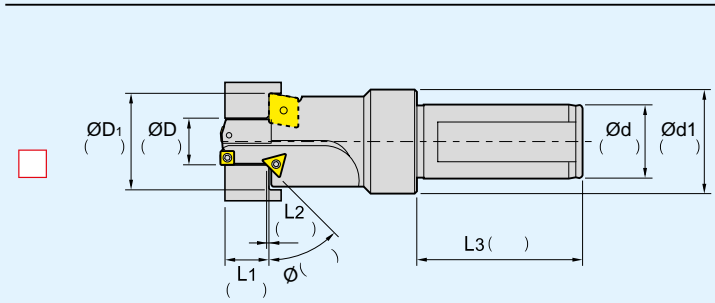


U-Drill Çapı = 25 mm
Drill Diameter = 25 mm

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.

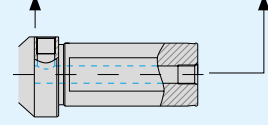
To facilitate the rotation of the adaptor, a metal rod or a screw key may be inserted into a hole on the eccentric adaptor flange. Unlock adapter screw before adjusting adaptor.



• Soğutma Tipi / Coolant type

Yağ Deliği Dalma Kısımında
Oil Hole On the Plunge Part

Yağ Deliği Şaft Kısımında
"Oil hole On the Shank"



• Delik Tipi / Hole Type

Kapalı Delik
Blind Hole

Açık Delik
Thru Hole

• Şaft Tipleri / Types of Shank

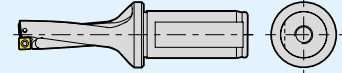
Düz Tip
Flat Type

Weldon Tip
Weldon Type

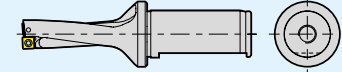
Eğimli Yargı Tipi
Whistle Notch Type

• Yargı Bağlama Yeri / Location of Side Lock

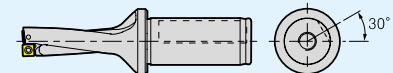
Dış Uca Parelel (Standart)
Parallel to Peripheral Insert (Standard)



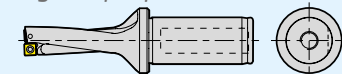
Dış Uca 90° Açılı
90° angle to peripheral insert



Dış Uca 150° Açılı
150° angle to peripheral insert



Dış Uca 180° Açılı
180° angle to peripheral insert



• Not / Note

• Şu Anki Kullanılan Takım
• Currently Using Tool

• Şu Anki Kesme Durumu
• Current Cutting Condition

- RPM ya da vc(m/min)

- RPM or vc(m/min)

- vf(mm/min) ya da fn(mm/rev)

- vf(mm/min) or fn(mm/rev)

- Kesme Derinliği
- Depth of Cut(mm)

• Ölçülen Standart Takım Ömrü
• Standard of Measuring Tool Life

• Şu Anki Kullanılan Makinalar
• Currently Using Machine

- İşleme Merkezi
- Machining Center

- Genel Torna
- General Lathe

- CNC Torna
- CNC Lathe

- CNC Torna
- CNC Lathe



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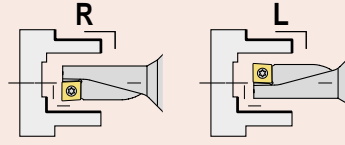
AKKO **A** **EK** **R** - **D2.25** x **20**

X **C** ■ ■ **10** **T3** **04**

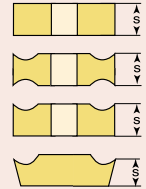
2 Kesiş Stili / Cutter Style

EK : Ekonomik Kesici / Economic Cutting

3 Kesme Yönü / Cutting Direction

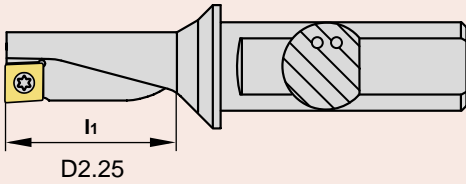


11 Kalınlık / Thickness

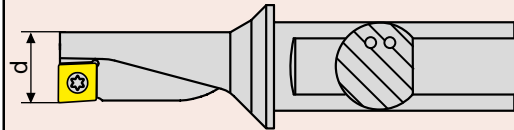


01	s = 1.59
T1	s = 1.98
02	s = 2.38
T2	s = 2.78
03	s = 3.18
T3	s = 3.97
04	s = 4.76
05	s = 5.56
06	s = 6.35
07	s = 7.94
09	s = 9.52

4 Delme Derinliği / Drilling Depth



5 Takım Çapı / Tool Diameter



6 Uç Şekli / Insert Form

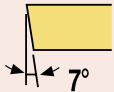


X



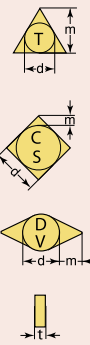
Q

7 Serbest Uç Açısı / Clearance Angle of Insert



C

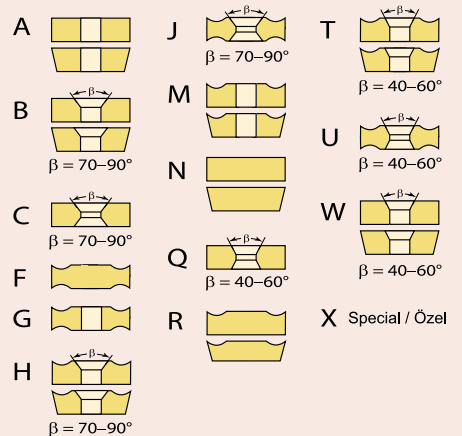
8 Toleranslar / Tolerance Classes



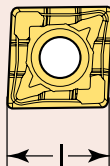
	d	m	t
A	± 0.025	± 0.005	± 0.025
C	± 0.025	± 0.013	± 0.025
E	± 0.025	± 0.025	± 0.025
F	± 0.013	± 0.005	± 0.025
G	± 0.025	± 0.025	± 0.130
H	± 0.013	± 0.013	± 0.025
J	± 0.05-0.15	± 0.005	± 0.025
K	± 0.05-0.15	± 0.013	± 0.025
L	± 0.05-0.15	± 0.025	± 0.025
M	± 0.05-0.15	± 0.08-0.20	± 0.130
N	± 0.05-0.15	±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

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

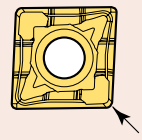
9 Uç Tipi / Type of Insert



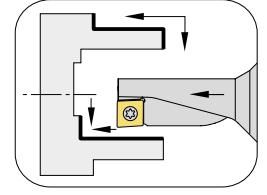
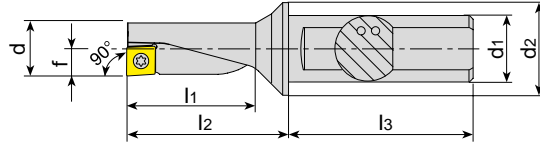
10 Kesme Kenar Uzunluğu / Cutting Edge Length



12 Köşe Konfigürasyonu / Corner Radius



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



Takım Kodu Ordering Code	Stok Stock		Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları Spare Parts	
	R	L	d	d ₁	d ₂	l ₁	l ₂	l ₃	f	Sıkma Vidası Screw	Tork Anahtar Torx Key	
AEKR/L-D2.25X8 XC.. 040104	●	●	8	10	12	18	22	38	4		3006-M1.8x4	80-T06
AEKR/L-D2.25X10 XC.. 050204	●	●	10	12	16	22.5	27.5	42	5		3006-M2x4	
AEKR/L-D2.25X12 XC.. 060204	●	●	12	16	20	27	33	45	6		3007-M2.2x5	80-T07
AEKR/L-D2.25X14 XC.. 070304	●	●	14	16	20	31.5	38	45	7		3008-M2.5x6	80-T08
AEKR/L-D2.25X16 XC.. 080304	●	●	16	20	25	36	44	50	8		1008-M3x6	
AEKR/L-D2.25X18 XC.. 09T304	●	●	18	25	32	40.5	53.5	56	9		4015-M3.5x9	80-T15
AEKR/L-D2.25X20 XC.. 10T304	●	●	20	25	32	45	55	56	10		4020-M4.5x10	80-T20
AEKR/L-D2.25X25 XC.. 130404	●	●	25	32	40	56.5	69	60	12.5		4020-M4.5x10	
AEKR/L-D2.25X32 XC.. 170504	●	●	32	32	50	72	88	60	16		4020-M4.5x12	

R: Sağ/Right L: Sol/Left ● Stokta/In Stock ○ Stokta Yok/Non Stock Item
CRTZT-ISCR-TGTC-KRLY Ucuna Uygundur. / Compatible with CRTZT-ISCR-TGTC-KRLY Insert.

Sipariş Örneği/Ordering Example : 1 ad./pcs. AEKR-D2.25X8 XC.. 040104

