

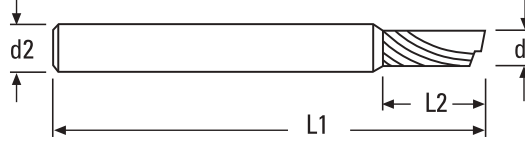


**Mikro**<sup>®</sup>  
Solid Carbide

**Karbür Alüminyum Frezeler**  
*Solid Carbide Aluminium End Mills*

## Tek Ağızlı Alüminyum Freze, Kısa

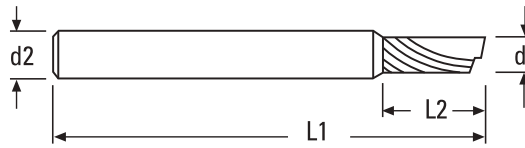
Solid Carbide End Mills Z1 four Aluminium, Short



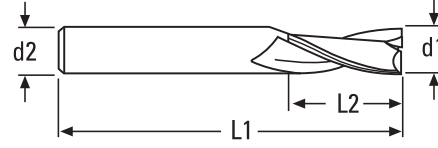
Sipariş Kodu Order Num. ①	Çap d1 mm	Kesme Boyu L2 mm	Tam Boyu L1 mm	Şaft Çapı d2 mm
MTA 030101	3.0	10	40	3
MTA 030111	3.0	11	50	6
MTA 040121	4.0	12	50	4
MTA 040131	4.0	13	50	6
MTA 050131	5.0	13	50	5
MTA 050141	5.0	14	50	6
MTA 060131	6.0	13	60	6
MTA 080181	8.0	18	60	8
MTA 100221	10.0	22	72	10


## Tek Ağızlı Alüminyum Freze, Uzun

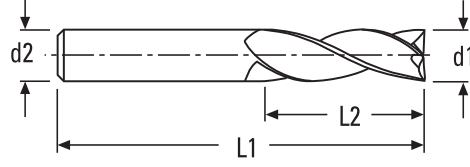
Solid Carbide End Mills Z1 four Aluminium, Long




Sipariş Kodu Order Num. ①	Çap d1 mm	Kesme Boyu L2 mm	Tam Boyu L1 mm	Şaft Çapı d2 mm
MTAL 030151	3.0	15	60	3
MTAL 030161	3.0	16	60	6
MTAL 040161	4.0	16	60	4
MTAL 040171	4.0	17	60	6
MTAL 050181	5.0	18	60	5
MTAL 050191	5.0	19	60	6
MTAL 060241	6.0	24	75	6
MTAL 080321	8.0	32	75	8
MTAL 100401	10.0	40	100	10



Sipariş Kodu Order Num. 	d1 h10 mm	L2 mm	L1 mm	d2 h6 mm
AHF 030902	3.0	9	38	3
AHF 031002	3.0	10	50	6
AHF 040142	4.0	14	50	4
AHF 040152	4.0	15	60	6
AHF 050162	5.0	16	50	5
AHF 050172	5.0	17	60	6
AHF 060192	6.0	19	57	6
AHF 070192	7.0	19	60	8
AHF 080202	8.0	20	60	8
AHF 100212	10.0	21	72	10
AHF 120252	12.0	25	75	12
AHF 140322	14.0	32	83	14
AHF 160322	16.0	32	92	16
AHF 180352	18.0	35	100	18
AHF 200382	20.0	38	100	20
AHF 030152	3.0	15	60	3
AHF 030162	3.0	16	60	6
AHF 040252	4.0	25	60	4
AHF 040262	4.0	26	60	6
AHF 050252	5.0	25	75	5
AHF 050262	5.0	26	75	6
AHF 060302	6.0	30	75	6
AHF 080302	8.0	30	75	8
AHF 100452	10.0	45	100	10
AHF 120452	12.0	45	100	12
AHF 140452	14.0	45	100	14
AHF 160452	16.0	45	100	16
AHF 180452	18.0	45	100	18
AHF 200452	20.0	45	100	20



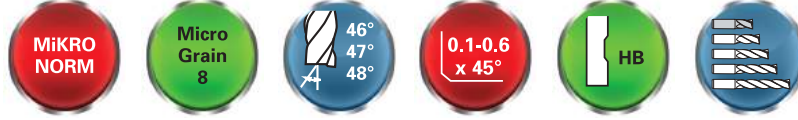
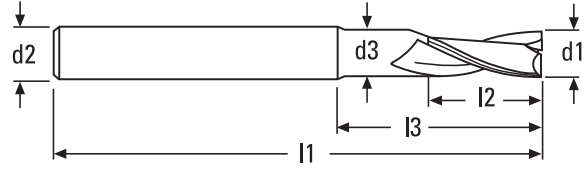
Sipariş Kodu Order Num. 	d1 h10 mm	L2 mm	L1 mm	d2 h6 mm
AKF 030903	3.0	9	38	3
AKF 031003	3.0	10	50	6
AKF 040143	4.0	14	50	4
AKF 040153	4.0	15	60	6
AKF 050163	5.0	16	50	5
AKF 050173	5.0	17	60	6
AKF 060193	6.0	19	57	6
AKF 070193	7.0	19	60	8
AKF 080203	8.0	20	60	8
AKF 100213	10.0	21	72	10
AKF 120253	12.0	25	75	12
AKF 140323	14.0	32	83	14
AKF 160323	16.0	32	92	16
AKF 180353	18.0	35	100	18
AKF 200383	20.0	38	100	20
AKF 030153	3.0	15	60	3
AKF 030163	3.0	16	60	6
AKF 040253	4.0	25	60	4
AKF 040263	4.0	26	60	6
AKF 050253	5.0	25	75	5
AKF 050263	5.0	26	75	6
AKF 060303	6.0	30	75	6
AKF 080303	8.0	30	75	8
AKF 100453	10.0	45	100	10
AKF 120453	12.0	45	100	12
AKF 140453	14.0	45	100	14
AKF 160453	16.0	45	100	16
AKF 180453	18.0	45	100	18
AKF 200453	20.0	45	100	20



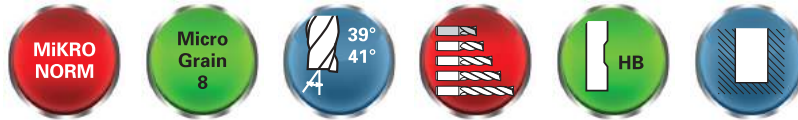
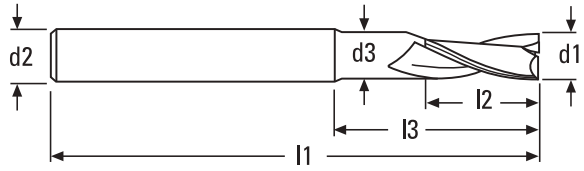








Sipariş Kodu Order Num. <b>3</b>	d1 h10 mm	L2 mm	L3 mm	L1 mm	d3 mm	d2 h6 mm
HPCA 060133	6.0	13	19	60	5.5	6
HPCA 080193	8.0	19	25	60	7.5	8
HPCA 100213	10.0	21	30	72	9.5	10
HPCA 120253	12.0	25	36	75	11.2	12
HPCA 140263	14.0	26	36	83	13.2	14
HPCA 160323	16.0	32	42	92	15	16
HPCA 180323	18.0	32	42	92	17	18
HPCA 200383	20.0	38	42	100	19	20



Sipariş Kodu Order Num. <b>4</b>	d1 h10 mm	L2 mm	L3 mm	L1 mm	d3 mm	d2 h6 mm
HPCA 060134	6.0	13	19	60	5.5	6
HPCA 080194	8.0	19	25	60	7.5	8
HPCA 100214	10.0	21	30	72	9.5	10
HPCA 120254	12.0	25	36	75	11.2	12
HPCA 140264	14.0	26	36	83	13.2	14
HPCA 160324	16.0	32	42	92	15	16
HPCA 180324	18.0	32	42	92	17	18
HPCA 200384	20.0	38	42	100	19	20

Alüminyum (alaşımız, düşük alaşımlı)  
Alüminyum alaşımlar <0.5% Si  
Alüminyum alaşımlar 5-10% Si  
Alüminyum alaşımlar 10-15% Si  
Alüminyum alaşımlar >15% Si

Bakır dövme alaşımlar  
Özel bakır alaşımlar  
Kısa talaşlı princi, bronz ve kırmızı bronz  
Uzun talaşlı princi  
Magnezyum ve magnezyum alaşımları  
Termoplastik

Takımlar çeşitli malzeme grupları için  
üniversal kullanım alanına sahiptir,

d1	ap	ae	Vc= 190m/dk			Vc= 170m/dk		
			fz	S	Vf	fz	S	Vf
6	6	3	0.040	7563	900	0.042	6767	852
8	8	4	0.040	7563	900	0.042	6767	852
10	10	5	0.050	6050	900	0.052	5414	844
12	12	6	0.060	5042	907	0.063	4511	852
14	14	7	0.070	4322	907	0.073	3867	846
16	16	8	0.070	3781	790	0.084	3383	852

