



## Ultra Micro Grain ATH Kaplama Karbür Küre Freze

### EPDBE-ATH | Epoch Derin Feder Küre Karbür Freze Evolution ATH Kaplama




ID Kod	Ürün Kodu	Z	Ölçü						Açılı Yüzeylerde Fiilli Dalma Boyu											
			D	I <sub>n</sub>	I	dn	L	d	Boyun R	0.5°	1°	1.5°	2°	3°						
EP954	EPDBE-2006-4-ATH	2	0.6	4	0.4	0.57	50	4	4	4.64	4.86	5.04	5.2	5.48						
EP955	EPDBE-2006-4.5-ATH			4.5						5.17	5.4	5.59	5.76	6.06						
EP956	EPDBE-2006-5-ATH			5						5.7	5.94	6.14	6.32	6.63						
EP957	EPDBE-2006-5.5-ATH			5.5						6.22	6.48	6.69	6.87	7.29						
EP958	EPDBE-2006-6-ATH			6						6.75	7.02	7.23	7.42	7.96						
EP959	EPDBE-2006-7-ATH			7						7.79	8.08	8.32	8.52	9.28						
EP960	EPDBE-2006-8-ATH			8						8.84	9.15	9.4	9.61	10.61						
EP961	EPDBE-2006-9-ATH			9						9.88	10.21	10.47	10.79	11.94						
EP962	EPDBE-2006-10-ATH			10						10.92	11.26	11.54	11.99	13.27						
EP963	EPDBE-2006-12-ATH			12						12.99	13.37	13.72	14.38	15.92						
EP964	EPDBE-2007-2-ATH			0.7						2	0.45	0.67	50	4	4	2.52	2.66	2.79	2.9	3.12
EP965	EPDBE-2007-4-ATH									4						4.64	4.86	5.04	5.2	5.48
EP966	EPDBE-2007-6-ATH		6		6.74	7.01	7.23	7.42	7.94											
EP967	EPDBE-2007-8-ATH		8		8.83	9.14	9.39	9.61	10.6											
EP968	EPDBE-2008-2-ATH		0.8	2	0.5	0.77	50	4	4	2.51	2.65	2.78	2.89	3.11						
EP969	EPDBE-2008-4-ATH			4						4.64	4.85	5.03	5.19	5.47						
EP970	EPDBE-2008-5-ATH			5						5.69	5.93	6.13	6.31	6.61						
EP971	EPDBE-2008-6-ATH			6						6.74	7.01	7.23	7.41	7.92						
EP972	EPDBE-2008-8-ATH			8						8.83	9.14	9.39	9.6	10.58						
EP973	EPDBE-2008-10-ATH			10						10.91	11.26	11.53	11.97	13.23						
EP974	EPDBE-2009-2-ATH		0.9	2	0.6	0.87	50	4	4	2.51	2.65	2.77	2.89	3.1						
EP975	EPDBE-2009-4-ATH			4						4.64	4.85	5.03	5.18	5.46						
EP976	EPDBE-2009-6-ATH			6						6.74	7	7.22	7.41	7.91						
EP977	EPDBE-2009-8-ATH			8						8.83	9.14	9.38	9.6	10.56						
EP978	EPDBE-2010-2-ATH		1	2	0.8	0.96	50	4	4	2.54	2.67	2.79	2.9	3.11						
EP979	EPDBE-2010-3-ATH			3						3.61	3.78	3.93	4.06	4.3						
EP980	EPDBE-2010-4-ATH			4						4.66	4.87	5.04	5.2	5.47						
EP981	EPDBE-2010-5-ATH			5						5.72	5.95	6.14	6.31	6.61						
EP982	EPDBE-2010-6-ATH			6						6.76	7.02	7.23	7.42	7.92						
EP983	EPDBE-2010-7-ATH			7						7.81	8.09	8.32	8.52	9.25						
EP984	EPDBE-2010-8-ATH			8						8.85	9.15	9.4	9.61	10.58						
EP985	EPDBE-2010-9-ATH			9						9.89	10.21	10.47	10.78	11.91						
EP986	EPDBE-2010-10-ATH			10						10.93	11.27	11.54	11.98	13.23						
EP987	EPDBE-2010-12-ATH			12						13	13.37	13.72	14.37	15.89						
EP988	EPDBE-2010-13-ATH		13	14.04	14.42	14.86	15.57	17.21												
EP989	EPDBE-2010-14-ATH		14	15.07	15.47	16	16.76	18.54												
EP990	EPDBE-2010-16-ATH		16	17.13	17.56	18.28	19.16	21.2												
EP991	EPDBE-2010-18-ATH		18	19.19	19.66	20.56	21.55	23.85												
EP992	EPDBE-2010-20-ATH		20	21.25	21.84	22.84	23.94	26.51												
EP993	EPDBE-2011-2-ATH		1.1	2	1	1.05	50	4	4	2.58	2.7	2.81	2.92	3.12						
EP994	EPDBE-2011-4-ATH			4						4.69	4.89	5.06	5.21	5.48						
EP995	EPDBE-2011-6-ATH			6						6.79	7.04	7.25	7.43	7.94						
EP996	EPDBE-2011-8-ATH			8						8.87	9.17	9.41	9.61	10.59						
EP997	EPDBE-2011-10-ATH		1.2	10	1.1	1.15	50	4	4	10.95	11.28	11.55	12	13.25						
EP998	EPDBE-2012-4-ATH			4						4.69	4.88	5.05	5.2	5.47						
EP999	EPDBE-2012-8-ATH		1.4	8	1.3	1.34	50	4	4	8.87	9.16	9.4	9.61	10.58						
EP1000	EPDBE-2012-10-ATH			10						10.95	11.28	11.54	11.99	13.23						
EP1001	EPDBE-2012-12-ATH			12						13.02	13.38	13.73	14.38	15.89						
EP1002	EPDBE-2014-8-ATH			8						8.89	9.18	9.41	9.61	10.58						
EP1003	EPDBE-2014-12-ATH		1.5	12	1.35	1.44	50	4	4	13.04	13.39	13.74	14.39	15.89						
EP1004	EPDBE-2014-16-ATH			16						17.16	17.57	18.31	19.17	21.2						
EP1005	EPDBE-2015-4-ATH		1.6	4	1.4	1.54	50	4	4	4.71	4.89	5.06	5.2	5.46						
EP1006	EPDBE-2015-6-ATH			6						6.81	7.04	7.25	7.42	7.91						
EP1007	EPDBE-2015-8-ATH			8						8.89	9.17	9.41	9.61	10.56						
EP1008	EPDBE-2015-10-ATH			10						10.96	11.29	11.55	11.98	13.22						
EP1009	EPDBE-2015-12-ATH			12						13.03	13.39	13.74	14.38	15.87						
EP1010	EPDBE-2015-14-ATH			14						15.1	15.48	16.02	16.77	18.52						
EP1011	EPDBE-2015-16-ATH		16	17.16	17.57	18.3	19.16	21.18												
EP1012	EPDBE-2015-18-ATH		18	19.22	19.69	20.58	21.56	23.83												
EP1013	EPDBE-2015-20-ATH		20	21.27	21.87	22.86	23.95	x												
EP1014	EPDBE-2016-8-ATH		1.6	8	1.4	1.54	50	4	4	8.89	9.17	9.4	9.6	10.55						
EP1015	EPDBE-2016-12-ATH			12						13.03	13.39	13.73	14.37	15.85						
EP1016	EPDBE-2016-16-ATH			16						17.16	17.57	18.29	19.15	21.16						
EP1017	EPDBE-2016-20-ATH			20						21.27	21.87	22.86	23.94	x						



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ID Kod	Ürün Kodu	Z	Ölçü						Boyun R	Açılı Yüzeylerde Fiili Dalma Boyu								
			D	I <sub>n</sub>	I	dn	L	d		0.5°	1°	1.5°	2°	3°				
EP1018	EPDBE-2018-8-ATH	2	1.8	8	1.6	1.73	50	4	4	8.91	9.18	9.41	9.61	10.54				
EP1019	EPDBE-2018-12-ATH			12						13.05	13.4	13.74	14.38	15.85				
EP1020	EPDBE-2018-16-ATH			16						17.17	17.58	18.31	19.16	21.16				
EP1021	EPDBE-2018-20-ATH			20						21.28	21.88	22.87	23.95	x				
EP1022	EPDBE-2020-3-ATH		2	2	3	1.7	1.92	50		4	3.71	3.84	3.96	4.07	4.29			
EP1023	EPDBE-2020-4-ATH				4						4.75	4.92	5.07	5.21	5.45			
EP1024	EPDBE-2020-6-ATH				6						6.84	7.07	7.26	7.43	7.89			
EP1025	EPDBE-2020-8-ATH				8						8.92	9.19	9.42	9.61	10.54			
EP1026	EPDBE-2020-10-ATH				10			11			11.3	11.56	11.99	13.2				
EP1027	EPDBE-2020-12-ATH				12			13.06			13.41	13.76	14.39	15.85				
EP1028	EPDBE-2020-13-ATH				13			14.1			14.45	14.9	15.58	17.18				
EP1029	EPDBE-2020-14-ATH				14			15.13			15.5	16.04	16.78	18.51				
EP1030	EPDBE-2020-16-ATH				16			17.19			17.59	18.32	19.17	x				
EP1031	EPDBE-2020-18-ATH				18			19.24			19.72	20.6	21.57	x				
EP1032	EPDBE-2020-20-ATH				20			21.3			21.9	22.88	23.96	x				
EP1033	EPDBE-2020-22-ATH				22			23.35			24.08	25.16	26.35	x				
EP1034	EPDBE-2020-25-ATH				25			26.42			27.35	28.58	x	x				
EP1035	EPDBE-2020-30-ATH				30			31.53			32.8	34.29	x	x				
EP1036	EPDBE-2020-35-ATH				35			36.65			38.24	x	x	x				
EP1037	EPDBE-2020-40-ATH				40			41.86			43.69	x	x	x				
EP1038	EPDBE-2025-6-ATH		2.5	2	6	2	2.4	50		4	6.88	7.09	7.27	7.43	7.87			
EP1039	EPDBE-2025-10-ATH				10			11.03			11.32	11.56	12	13.18				
EP1040	EPDBE-2025-15-ATH				15			16.18			16.56	17.2	17.98	x				
EP1041	EPDBE-2025-20-ATH				20			21.32			21.93	22.9	x	x				
EP1042	EPDBE-2025-25-ATH				25			26.44			27.38	28.6	x	x				
EP1043	EPDBE-2025-30-ATH				30			31.55			32.82	x	x	x				
EP1044	EPDBE-2030-8-ATH				3			2.5			2.88	55	6	8.99	9.23	9.44	9.62	10.51
EP1045	EPDBE-2030-10-ATH											10		11.06	11.34	11.57	12.01	13.16
EP1046	EPDBE-2030-13-ATH		13	14.15		14.48	14.94			15.6		17.15						
EP1047	EPDBE-2030-16-ATH		16	17.24		17.61	18.36			19.19		21.13						
EP1048	EPDBE-2030-20-ATH		20	21.34		21.96	22.92			23.97		26.44						
EP1049	EPDBE-2030-25-ATH		25	26.46		27.41	28.62			29.96		x						
EP1050	EPDBE-2030-30-ATH		30	31.57		32.85	34.32			35.94		x						
EP1051	EPDBE-2030-35-ATH		35	36.72		38.3	40.03			41.92		x						
EP1052	EPDBE-2035-15-ATH		3.5	2.75	3.35	60	6	16.25		16.6	17.26	18.03	19.81					
EP1053	EPDBE-2035-25-ATH					25		26.49		27.46	28.67	29.99	x					
EP1054	EPDBE-2035-35-ATH	35				36.79		38.36	40.07	x	x							
EP1055	EPDBE-2035-45-ATH	45				47.22		49.25	x	x	x							
EP1056	EPDBE-2040-10-ATH	4	3	3.85	55	6	11.1	11.36	11.58	12	13.1							
EP1057	EPDBE-2040-13-ATH				13		14.19	14.5	14.95	15.59	17.08							
EP1058	EPDBE-2040-16-ATH				16		17.27	17.63	18.37	19.18	x							
EP1059	EPDBE-2040-20-ATH				20		21.37	21.99	22.93	23.96	x							
EP1060	EPDBE-2040-25-ATH				25		26.49	27.44	28.63	29.95	x							
EP1061	EPDBE-2040-30-ATH				30		31.59	32.89	34.34	x	x							
EP1062	EPDBE-2040-35-ATH				35		36.78	38.33	40.04	x	x							
EP1063	EPDBE-2040-40-ATH				40		41.99	43.78	x	x	x							
EP1064	EPDBE-2040-45-ATH				45		47.2	49.23	x	x	x							
EP1065	EPDBE-2040-50-ATH				50		52.42	54.68	x	x	x							
EP1066	EPDBE-2050-20-ATH	5	3.5	4.85	65	6	21.36	21.95	x	x	x							
EP1067	EPDBE-2050-25-ATH				25		26.48	27.39	x	x	x							
EP1068	EPDBE-2050-30-ATH				30		31.58	x	x	x	x							
EP1069	EPDBE-2050-40-ATH				40		41.97	x	x	x	x							
EP1070	EPDBE-2060-12-ATH	6	6	5.85	60	-	x	x	x	x	x							
EP1071	EPDBE-2060-20-ATH				20		x	x	x	x	x							
EP1072	EPDBE-2060-30-ATH				30		x	x	x	x	x							
EP1073	EPDBE-2060-50-ATH				50		x	x	x	x	x							

Kesme Değerleri   Cutting Conditions   Schnittwerte   Condizioni di taglio :			
Yüksek Hassasiyette Finiş Frezeleme		Yüksek Verimlilikte Kaba Frezeleme	
Sayfa 12-17		Sayfa 6-11	
		Yüksek Verimlilikte Kaba (Feder Uygulamaları)	
		Sayfa 18-23	