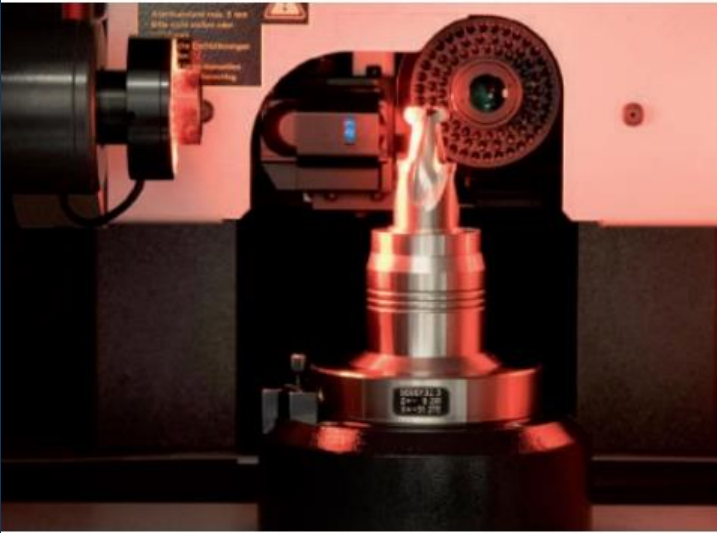


A collection of various solid carbide cutting tools, including drill bits and end mills, arranged on a white background. The tools are shown in different sizes, lengths, and finishes, some with standard double-flute designs and others with more complex multi-flute or coated designs. The text 'SOLID CARBIDE CUTTING TOOLS' is prominently displayed in the center, with 'SOLID CARBIDE' in grey and 'CUTTING TOOLS' in orange. Below it, the word 'CATALOGUE' is written in smaller grey capital letters.

SOLID CARBIDE
CUTTING TOOLS
CATALOGUE

2023/2024

Gelecek **MEISTER** ile şekillenecek...



The future will be shaped by **MEISTER**










KATALOG - (INDEX)

HPC – YÜKSEK PERFORMANS (HIGH PERFORMANCE)










MALZEME GRUBU (MATERIAL GROUP)

ÜRÜNLER (PRODUCTS)	GRUP (GROUP)	Z	TYPE	ØD (D mm)	SF (PG.)	P	M	K	N	H	S
	4VRS	4	CH	3÷25	6	●	○	●	○	○	○
	4VRL	4	CH	3÷25	7	●	○	●	○	○	○
	4VRX	4	CH	3÷25	8	●	○	●	○	○	○
	4VRXC	4	CR	3÷25	9	●	○	●	○	○	○
	4VHX	4	CH	3÷25	10	●	○	●	○	●	●
	4VHXC	4	CR	3÷25	11	●	○	●	○	●	●
	4EXS	4	CH	3÷20	12	●	○	●	–	●	○
	4RXC	4	CR	3÷25	13	●	○	●	–	●	○
	3SFM	3	FL	1÷25	14	●	○	●	○	○	○
	3SFS	3	FL	2÷20	15	●	○	●	○	○	○
	4SFM	4	FL	2÷25	16	●	○	●	○	○	○
	4SFS	4	FL	2÷25	17	●	○	●	○	○	○
	4SFL	4	FL	3÷25	18	●	○	●	○	○	○
	4HFS	4	FL	3÷25	19	●	○	●	–	●	●
	4HFL	4	FL	3÷25	20	●	○	●	–	●	●
	2MFS	2	FL	1÷4	21	●	○	●	●	●	●
	MCFS	7	FL	3÷25	24	●	○	●	–	●	●
	MCFL	7	FL	6÷25	25	●	○	●	–	●	●
	4SCS	4	CR	3÷20	26	●	○	●	○	○	○
	4SCL	4	CR	3÷20	27	●	○	●	○	○	○
	4HCS	4	CR	3÷20	28	●	○	●	–	●	●
	4HCL	4	CR	3÷20	30	●	○	●	–	●	●




PRF – PROFİL / KALIP (PROFILE / MOLDING)
MALZEME GRUBU (MATERIAL GROUP)

ÜRÜNLER (PRODUCTS)	GRUP (GROUP)	Z	TYPE	ØD (D mm)	SF (PG.)	P	M	K	N	H	S
	2SBS	2	R	3÷20	33	●	○	●	○	○	○
	2SBL	2	R	3÷20	33	●	○	●	○	○	○
	4SBS	4	R	3÷20	34	●	○	●	○	○	○
	4SBL	4	R	3÷20	34	●	○	●	○	○	○
	2HBS	2	R	1÷20	35	●	○	●	-	●	●
	2HBL	2	R	3÷20	35	●	○	●	-	●	●
	2MCR	2	CR	1÷4	36	●	○	●	-	●	●
	2MBN	2	R	1÷4	39	●	○	●	-	●	●

ALU – ALÜMİNYUM / PLASTİK (ALUMINIUM / PLASTIC)
MALZEME GRUBU (MATERIAL GROUP)

ÜRÜNLER (PRODUCTS)	GRUP (GROUP)	Z	TYPE	ØD (D mm)	SF (PG.)	P	M	K	N	H	S
	1AFS	1	FL	1.5÷20	42	○	○	-	●	-	○
	2AFS	2	FL	3÷20	43	○	○	-	●	-	○
	2ABS	2	R	1÷20	43	○	○	-	●	-	○
	3AFS	3	FL	6÷20	44	○	○	-	●	-	○
	3AFL	3	FL	6÷20	44	○	○	-	●	-	○
	3ACS	3	CR	6÷20	45	○	○	-	●	-	○
	3ACL	3	CR	6÷20	46	○	○	-	●	-	○
	3AVX	3	CH	6÷20	47	○	●	-	●	-	○
	3ACX	3	CR	6÷20	48	○	●	-	●	-	○

CHM – KÖŞE PAH / YUVARLAMA (CHAMFER / ROUND)**MALZEME GRUBU (MATERIAL GROUP)**

ÜRÜNLER (PRODUCTS)	GRUP (GROUP)	Z	TYPE	ØD (D mm)	SF (PG.)	P	M	K	N	H	S
	60CH	4/6	FL	4÷20	49	●	●	●	●	●	●
	90CH	4/6	FL	4÷20	49	●	●	●	●	●	●
	4ICS	4	R	6÷25	50	●	●	●	●	●	●

DRM – MATKAP / RAYBA (DRILL / REAMER)**MALZEME GRUBU (MATERIAL GROUP)**

ÜRÜNLER (PRODUCTS)	GRUP (GROUP)	Z	TYPE	ØD (D mm)	SF (PG.)	P	M	K	N	H	S
	S090	2	-	4÷20	52	●	●	●	●	●	●
	S120	2	-	4÷20	52	●	●	●	●	●	●
	S142	2	-	6÷25	53	●	●	●	●	●	●
	3DPS	2	-	1÷20	54	●	○	●	○	○	○
	3DPC	2	-	3÷20	59	●	○	●	○	○	○
	5DPS	2	-	1÷20	63	●	○	●	○	○	○
	5DPC	2	-	3÷20	68	●	○	●	○	○	○
	8DPS	2	-	1÷20	72	●	○	●	○	○	○
	8DPC	2	-	3÷20	75	●	○	●	○	○	○
	5DAC	2	-	3÷20	78	○	●	-	●	-	●
	RMPL	4/8	CH	1÷20	82	●	●	●	●	●	●



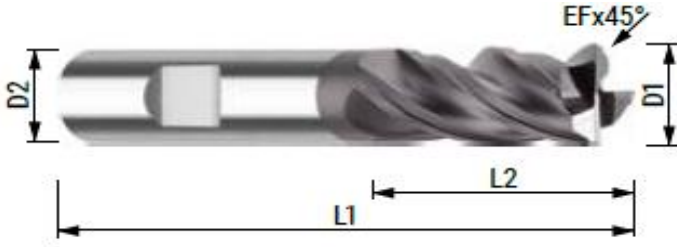
GENEL / PERFORMANS
UNIVERSAL / HIGH PERFORMANCE





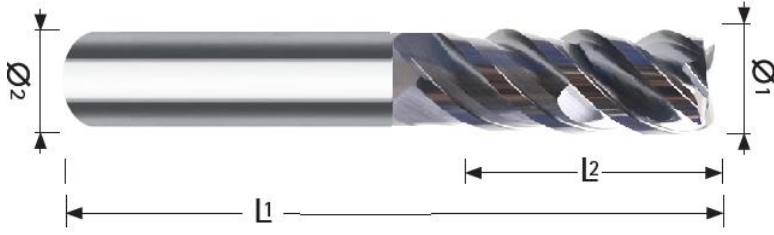
Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	EF (Chamfer)	Z (Flute)
4VRS.03000	3.0	8	57	6.0	0.10	4
4VRS.04000	4.0	13	57	6.0	0.10	4
4VRS.05000	5.0	16	57	6.0	0.20	4
4VRS.06000	6.0	16	57	6.0	0.20	4
4VRS.08000	8.0	19	63	8.0	0.20	4
4VRS.10000	10.0	22	72	10.0	0.20	4
4VRS.10010	10.0	27	72	10.0	0.20	4
4VRS.12000	12.0	26	83	12.0	0.20	4
4VRS.12010	12.0	32	83	12.0	0.20	4
4VRS.14000	14.0	26	83	14.0	0.20	4
4VRS.14010	14.0	32	83	14.0	0.20	4
4VRS.16000	16.0	32	92	16.0	0.30	4
4VRS.16010	16.0	42	100	16.0	0.30	4
4VRS.16020	16.0	55	110	16.0	0.30	4
4VRS.18000	18.0	42	100	18.0	0.30	4
4VRS.20000	20.0	47	104	20.0	0.30	4
4VRS.25000	25.0	60	121	25.0	0.40	4





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	EF (Chamfer)	Z (Flute)
4VRL.05000	5.0	22	65	6.0	0.20	4
4VRL.06000	6.0	22	65	6.0	0.20	4
4VRL.08000	8.0	28	80	8.0	0.20	4
4VRL.10000	10.0	33	100	10.0	0.20	4
4VRL.12000	12.0	42	100	12.0	0.20	4
4VRL.14000	14.0	48	100	14.0	0.30	4
4VRL.16000	16.0	55	150	16.0	0.30	4
4VRL.18000	18.0	55	150	18.0	0.30	4
4VRL.20000	20.0	68	150	20.0	0.30	4
4VRL.25000	25.0	85	165	25.0	0.40	4



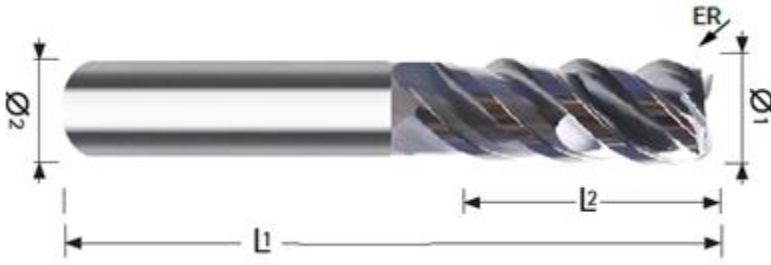


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	EF (Chamfer)	Z (Flute)
4VRX.03000	3.0	8	57	6.0	0.10	4
4VRX.04000	4.0	13	57	6.0	0.10	4
4VRX.05000	5.0	16	57	6.0	0.20	4
4VRX.06000	6.0	16	57	6.0	0.20	4
4VRX.08000	8.0	19	63	8.0	0.20	4
4VRX.10000	10.0	22	72	10.0	0.20	4
4VRX.10010	10.0	27	72	10.0	0.20	4
4VRX.12000	12.0	26	83	12.0	0.20	4
4VRX.12010	12.0	32	83	12.0	0.20	4
4VRX.14000	14.0	26	83	14.0	0.20	4
4VRX.14010	14.0	32	83	14.0	0.20	4
4VRX.16000	16.0	32	92	16.0	0.30	4
4VRX.16010	16.0	42	100	16.0	0.30	4
4VRX.16020	16.0	55	110	16.0	0.30	4
4VRX.18000	18.0	42	100	18.0	0.30	4
4VRX.20000	20.0	47	104	20.0	0.30	4
4VRX.25000	25.0	60	121	25.0	0.40	4



VARIO-X

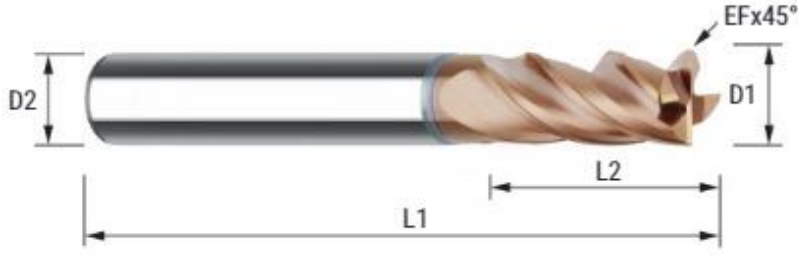
- ÇİFT HELİS KANALI (DOUBLE HELIX FLUTES)
- YÜKSEK HIZLI İŞLEME (HIGH SPEED CUTTING)
- RİJİT GÖVDE (HIGH RIGIDITY)



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4VRXC.03005	3.0	8	57	6.0	0.5	4
4VRXC.04005	4.0	11	57	6.0	0.5	4
4VRXC.04010	4.0	11	57	6.0	1.0	4
4VRXC.05005	5.0	13	57	6.0	0.5	4
4VRXC.05010	5.0	13	57	6.0	1.0	4
4VRXC.06005	6.0	13	57	6.0	0.5	4
4VRXC.06010	6.0	13	57	6.0	1.0	4
4VRXC.06015	6.0	13	57	6.0	1.5	4
4VRXC.06020	6.0	13	57	6.0	2.0	4
4VRXC.08005	8.0	19	63	8.0	0.5	4
4VRXC.08010	8.0	19	63	8.0	1.0	4
4VRXC.08015	8.0	19	63	8.0	1.5	4
4VRXC.08020	8.0	19	63	8.0	2.0	4
4VRXC.10005	10.0	22	72	10.0	0.5	4
4VRXC.10010	10.0	22	72	10.0	1.0	4
4VRXC.10015	10.0	22	72	10.0	1.5	4
4VRXC.10020	10.0	22	72	10.0	2.0	4
4VRXC.10025	10.0	22	72	10.0	2.5	4
4VRXC.12005	12.0	26	83	12.0	0.5	4
4VRXC.12010	12.0	26	83	12.0	1.0	4
4VRXC.12015	12.0	26	83	12.0	1.5	4
4VRXC.12020	12.0	26	83	12.0	2.0	4
4VRXC.12025	12.0	26	83	12.0	2.5	4
4VRXC.12030	12.0	26	83	12.0	3.0	4
4VRXC.14010	14.0	26	83	14.0	1.0	4
4VRXC.14020	14.0	26	83	14.0	2.0	4
4VRXC.16010	16.0	32	92	16.0	1.0	4
4VRXC.16015	16.0	32	92	16.0	1.5	4
4VRXC.16020	16.0	32	92	16.0	2.0	4
4VRXC.16030	16.0	32	92	16.0	3.0	4
4VRXC.20010	20.0	47	104	20.0	1.0	4
4VRXC.20015	20.0	47	104	20.0	1.5	4
4VRXC.20020	20.0	47	104	20.0	2.0	4
4VRXC.20030	20.0	47	104	20.0	3.0	4

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





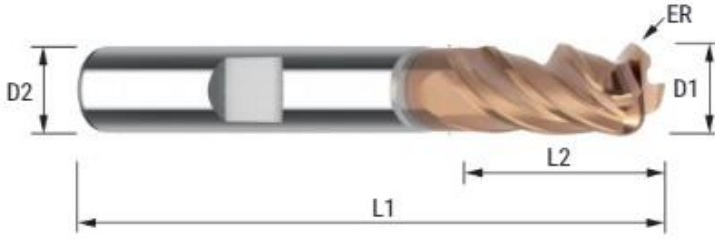
Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	EF (Chamfer)	Z (Flute)
4VHX.03000	3.0	8	57	6.0	0.10	4
4VHX.04000	4.0	13	57	6.0	0.10	4
4VHX.05000	5.0	16	57	6.0	0.20	4
4VHX.06000	6.0	16	57	6.0	0.20	4
4VHX.08000	8.0	19	63	8.0	0.20	4
4VHX.10000	10.0	22	72	10.0	0.20	4
4VHX.10010	10.0	27	72	10.0	0.20	4
4VHX.12000	12.0	26	83	12.0	0.20	4
4VHX.12010	12.0	32	83	12.0	0.20	4
4VHX.14000	14.0	26	83	14.0	0.20	4
4VHX.14010	14.0	32	83	14.0	0.20	4
4VHX.16000	16.0	32	92	16.0	0.30	4
4VHX.16010	16.0	42	100	16.0	0.30	4
4VHX.16020	16.0	55	110	16.0	0.30	4
4VHX.18000	18.0	42	100	18.0	0.30	4
4VHX.20000	20.0	47	104	20.0	0.30	4
4VHX.25000	25.0	60	121	25.0	0.40	4



VARIO-XH

- ÇİFT HELİS KANALI (DOUBLE HELIX FLUTES)
- YÜKSEK HIZLI İŞLEME (HIGH SPEED CUTTING)
- RİJİT GÖVDE (HIGH RIGIDITY)

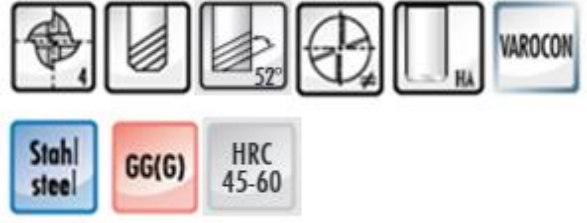
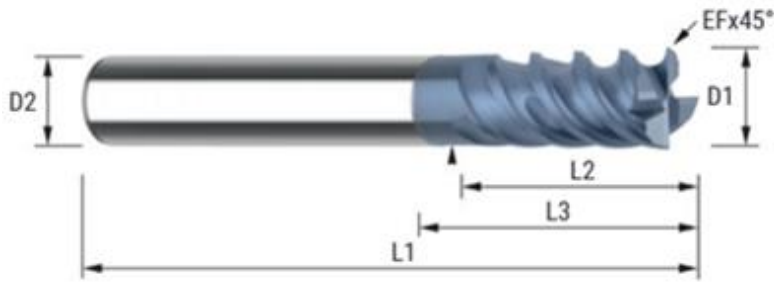




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4VHXC.03005	3.0	8	57	6.0	0.5	4
4VHXC.04005	4.0	11	57	6.0	0.5	4
4VHXC.04010	4.0	11	57	6.0	1.0	4
4VHXC.05005	5.0	13	57	6.0	0.5	4
4VHXC.05010	5.0	13	57	6.0	1.0	4
4VHXC.06005	6.0	13	57	6.0	0.5	4
4VHXC.06010	6.0	13	57	6.0	1.0	4
4VHXC.06015	6.0	13	57	6.0	1.5	4
4VHXC.06020	6.0	13	57	6.0	2.0	4
4VHXC.08005	8.0	19	63	8.0	0.5	4
4VHXC.08010	8.0	19	63	8.0	1.0	4
4VHXC.08015	8.0	19	63	8.0	1.5	4
4VHXC.08020	8.0	19	63	8.0	2.0	4
4VHXC.10005	10.0	22	72	10.0	0.5	4
4VHXC.10010	10.0	22	72	10.0	1.0	4
4VHXC.10015	10.0	22	72	10.0	1.5	4
4VHXC.10020	10.0	22	72	10.0	2.0	4
4VHXC.10025	10.0	22	72	10.0	2.5	4
4VHXC.12005	12.0	26	83	12.0	0.5	4
4VHXC.12010	12.0	26	83	12.0	1.0	4
4VHXC.12015	12.0	26	83	12.0	1.5	4
4VHXC.12020	12.0	26	83	12.0	2.0	4
4VHXC.12025	12.0	26	83	12.0	2.5	4
4VHXC.12030	12.0	26	83	12.0	3.0	4
4VHXC.14010	14.0	26	83	14.0	1.0	4
4VHXC.14020	14.0	26	83	14.0	2.0	4
4VHXC.16010	16.0	32	92	16.0	1.0	4
4VHXC.16015	16.0	32	92	16.0	1.5	4
4VHXC.16020	16.0	32	92	16.0	2.0	4
4VHXC.16030	16.0	32	92	16.0	3.0	4
4VHXC.20010	20.0	47	104	20.0	1.0	4
4VHXC.20015	20.0	47	104	20.0	1.5	4
4VHXC.20020	20.0	47	104	20.0	2.0	4
4VHXC.20030	20.0	47	104	20.0	3.0	4

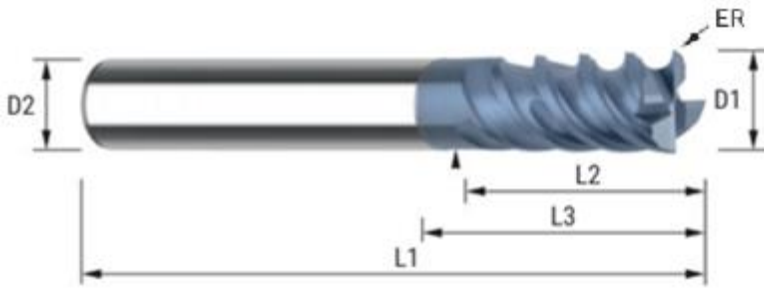
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)



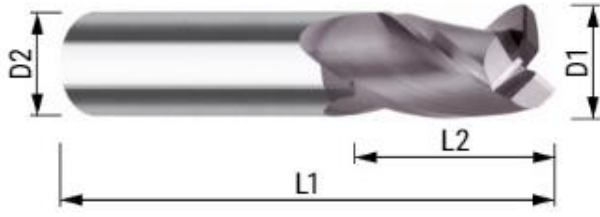


Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D2 (h6)	EF (Chamfer)	Z (Flute)
4EXS.03000	3.0	8	18	57	6.0	0.10	4
4EXS.04000	4.0	13	21	57	6.0	0.10	4
4EXS.05000	5.0	16	21	57	6.0	0.20	4
4EXS.06000	6.0	16	21	57	6.0	0.20	4
4EXS.08000	8.0	19	27	63	8.0	0.20	4
4EXS.10000	10.0	22	32	72	10.0	0.20	4
4EXS.12000	12.0	26	38	83	12.0	0.20	4
4EXS.14000	14.0	26	42	83	14.0	0.20	4
4EXS.16000	16.0	32	44	92	16.0	0.30	4
4EXS.18000	18.0	42	55	100	18.0	0.30	4
4EXS.20000	20.0	47	57	104	20.0	0.30	4





Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D2 (h6)	ER (Radius)	Z (Flute)
4EXC.03005	3.0	8	18	57	6.0	0.5	4
4EXC.04005	4.0	11	21	57	6.0	0.5	4
4EXC.04010	4.0	11	21	57	6.0	1.0	4
4EXC.05005	5.0	13	21	57	6.0	0.5	4
4EXC.05010	5.0	13	21	57	6.0	1.0	4
4EXC.06005	6.0	13	21	57	6.0	0.5	4
4EXC.06010	6.0	13	21	57	6.0	1.0	4
4EXC.06015	6.0	13	21	57	6.0	1.5	4
4EXC.06020	6.0	13	21	57	6.0	2.0	4
4EXC.08005	8.0	19	27	63	8.0	0.5	4
4EXC.08010	8.0	19	27	63	8.0	1.0	4
4EXC.08015	8.0	19	27	63	8.0	1.5	4
4EXC.08020	8.0	19	27	63	8.0	2.0	4
4EXC.10005	10.0	22	32	72	10.0	0.5	4
4EXC.10010	10.0	22	32	72	10.0	1.0	4
4EXC.10015	10.0	22	32	72	10.0	1.5	4
4EXC.10020	10.0	22	32	72	10.0	2.0	4
4EXC.10025	10.0	22	32	72	10.0	2.5	4
4EXC.12005	12.0	26	36	83	12.0	0.5	4
4EXC.12010	12.0	26	36	83	12.0	1.0	4
4EXC.12015	12.0	26	36	83	12.0	1.5	4
4EXC.12020	12.0	26	36	83	12.0	2.0	4
4EXC.12025	12.0	26	36	83	12.0	2.5	4
4EXC.12030	12.0	26	36	83	12.0	3.0	4
4EXC.14010	14.0	26	36	83	14.0	1.0	4
4EXC.14020	14.0	26	36	83	14.0	2.0	4
4EXC.16010	16.0	32	42	92	16.0	1.0	4
4EXC.16015	16.0	32	42	92	16.0	1.5	4
4EXC.16020	16.0	32	42	92	16.0	2.0	4
4EXC.16030	16.0	32	42	92	16.0	3.0	4
4EXC.20010	20.0	47	57	104	20.0	1.0	4
4EXC.20015	20.0	47	57	104	20.0	1.5	4
4EXC.20020	20.0	47	57	104	20.0	2.0	4
4EXC.20030	20.0	47	57	104	20.0	3.0	4



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
3SFM.01000	1.0	3	38	3.0	3
3SFM.01500	1.5	5	38	3.0	3
3SFM.02000	2.0	7	38	3.0	3
3SFM.02500	2.5	7	38	3.0	3
3SFM.03030	3.0	8	38	3.0	3
3SFM.03500	3.5	10	50	4.0	3
3SFM.04000	4.0	10	50	4.0	3
3SFM.04500	4.5	10	50	5.0	3
3SFM.05000	5.0	10	50	5.0	3
3SFM.06000	6.0	10	57	6.0	3
3SFM.07000	7.0	13	63	8.0	3
3SFM.08000	8.0	16	63	8.0	3
3SFM.09000	9.0	19	72	10.0	3
3SFM.10000	10.0	22	72	10.0	3
3SFM.11000	11.0	22	80	12.0	3
3SFM.12000	12.0	22	80	12.0	3
3SFM.13000	13.0	22	80	14.0	3
3SFM.14000	14.0	22	80	14.0	3
3SFM.15000	15.0	26	80	16.0	3
3SFM.16000	16.0	26	80	16.0	3
3SFM.18000	18.0	32	104	18.0	3
3SFM.20000	20.0	32	104	20.0	3
3SFM.25000	25.0	42	110	25.0	3

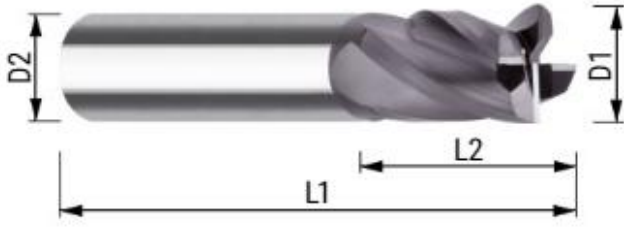
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
3SFS.02000	2.0	7	57	6.0	3
3SFS.02500	2.5	7	57	6.0	3
3SFS.03030	3.0	8	40	3.0	3
3SFS.03000	3.0	8	57	6.0	3
3SFS.03500	3.5	8	57	6.0	3
3SFS.04040	4.0	10	50	4.0	3
3SFS.04000	4.0	13	57	6.0	3
3SFS.05050	5.0	12	50	5.0	3
3SFS.05000	5.0	16	57	6.0	3
3SFS.06000	6.0	16	57	6.0	3
3SFS.07000	7.0	16	57	8.0	3
3SFS.08000	8.0	22	63	8.0	3
3SFS.09000	9.0	27	72	10.0	3
3SFS.10000	10.0	27	72	10.0	3
3SFS.11000	11.0	32	83	12.0	3
3SFS.12000	12.0	32	83	12.0	3
3SFS.13000	13.0	32	83	14.0	3
3SFS.14000	14.0	32	83	14.0	3
3SFS.15000	15.0	42	100	16.0	3
3SFS.16000	16.0	42	100	16.0	3
3SFS.18000	18.0	47	104	18.0	3
3SFS.20000	20.0	47	104	20.0	3

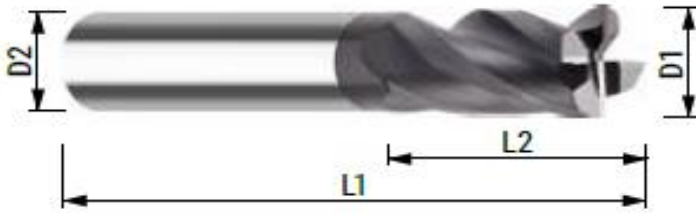
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
4SFM.02000	2.0	7	40	4.0	4
4SFM.02500	2.5	7	40	4.0	4
4SFM.03030	3.0	8	40	4.0	4
4SFM.03500	3.5	10	50	4.0	4
4SFM.04000	4.0	10	50	4.0	4
4SFM.04500	4.5	10	50	5.0	4
4SFM.05000	5.0	10	50	5.0	4
4SFM.06000	6.0	10	57	6.0	4
4SFM.07000	7.0	13	63	8.0	4
4SFM.08000	8.0	16	63	8.0	4
4SFM.09000	9.0	16	72	10.0	4
4SFM.10000	10.0	19	72	10.0	4
4SFM.11000	11.0	19	83	12.0	4
4SFM.12000	12.0	22	83	12.0	4
4SFM.13000	13.0	22	83	14.0	4
4SFM.14000	14.0	22	83	14.0	4
4SFM.15000	15.0	26	83	16.0	4
4SFM.16000	16.0	26	83	16.0	4
4SFM.18000	18.0	32	104	18.0	4
4SFM.20000	20.0	32	104	20.0	4
4SFM.22000	22.0	32	104	22.0	4
4SFM.25000	25.0	42	121	25.0	4

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

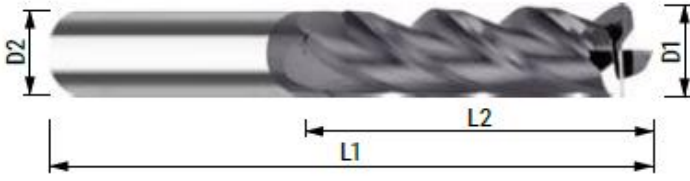




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
4SFS.02020	2.0	7	50	3.0	4
4SFS.02000	2.0	7	57	6.0	4
4SFS.02500	2.5	7	57	6.0	4
4SFS.03030	3.0	8	50	3.0	4
4SFS.03000	3.0	8	57	6.0	4
4SFS.03500	3.5	8	57	6.0	4
4SFS.04040	4.0	11	50	4.0	4
4SFS.04000	4.0	11	57	6.0	4
4SFS.05050	5.0	13	50	5.0	4
4SFS.05000	5.0	13	57	6.0	4
4SFS.06000	6.0	13	57	6.0	4
4SFS.07000	7.0	16	63	8.0	4
4SFS.08000	8.0	19	63	8.0	4
4SFS.09000	9.0	22	72	10.0	4
4SFS.10000	10.0	22	72	10.0	4
4SFS.10010	10.0	27	72	10.0	4
4SFS.11000	11.0	26	83	12.0	4
4SFS.12000	12.0	26	83	12.0	4
4SFS.12010	12.0	32	83	12.0	4
4SFS.13000	13.0	26	83	14.0	4
4SFS.14000	14.0	26	83	14.0	4
4SFS.15000	15.0	32	92	16.0	4
4SFS.16000	16.0	32	92	16.0	4
4SFS.16010	16.0	42	92	16.0	4
4SFS.16020	16.0	55	110	16.0	4
4SFS.18000	18.0	32	92	18.0	4
4SFS.20000	20.0	38	104	20.0	4
4SFS.22000	22.0	38	104	22.0	4
4SFS.25000	25.0	45	125	25.0	4

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

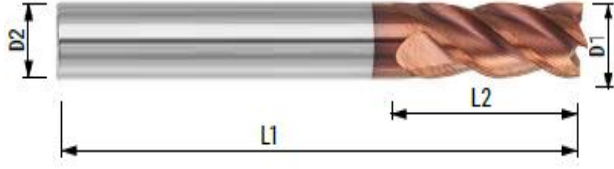




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
4SFL.03000	3.0	20	60	3.0	4
4SFL.04000	4.0	25	60	4.0	4
4SFL.05000	5.0	25	75	5.0	4
4SFL.06000	6.0	45	100	6.0	4
4SFL.08000	8.0	45	100	8.0	4
4SFL.10000	10.0	45	100	10.0	4
4SFL.12000	12.0	45	100	12.0	4
4SFL.12010	12.0	60	150	12.0	4
4SFL.14000	14.0	45	100	14.0	4
4SFL.16000	16.0	45	100	16.0	4
4SFL.16010	16.0	65	150	16.0	4
4SFL.18000	18.0	45	100	18.0	4
4SFL.18010	18.0	65	150	18.0	4
4SFL.20000	20.0	45	100	20.0	4
4SFL.20010	20.0	65	150	20.0	4
4SFL.22010	22.0	65	150	22.0	4
4SFL.25010	25.0	75	150	25.0	4

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
4HFS.02020	2.0	7	50	4.0	4
4HFS.02500	2.5	7	50	4.0	4
4HFS.03030	3.0	8	50	3.0	4
4HFS.03000	3.0	8	57	6.0	4
4HFS.03500	3.5	8	57	6.0	4
4HFS.04040	4.0	11	50	4.0	4
4HFS.04000	4.0	11	57	6.0	4
4HFS.05050	5.0	13	50	5.0	4
4HFS.05000	5.0	13	57	6.0	4
4HFS.06000	6.0	13	57	6.0	4
4HFS.08000	8.0	19	63	8.0	4
4HFS.10000	10.0	22	72	10.0	4
4HFS.12000	12.0	26	83	12.0	4
4HFS.14000	14.0	26	83	14.0	4
4HFS.16000	16.0	32	92	16.0	4
4HFS.18000	18.0	32	92	18.0	4
4HFS.20000	20.0	38	104	20.0	4
4HFS.25000	25.0	45	125	25.0	4

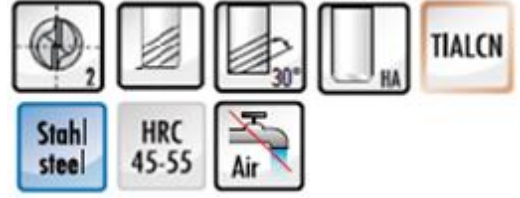
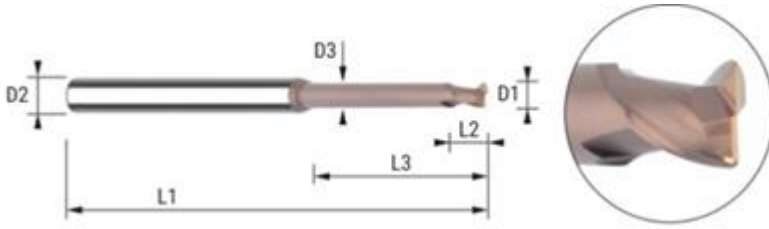
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
4HFL.03000	3.0	20	60	3.0	4
4HFL.04000	4.0	25	60	4.0	4
4HFL.05000	5.0	25	75	5.0	4
4HFL.06000	6.0	25	100	6.0	4
4HFL.06010	6.0	45	100	6.0	4
4HFL.08000	8.0	25	100	8.0	4
4HFL.08010	8.0	45	100	8.0	4
4HFL.10000	10.0	30	100	10.0	4
4HFL.10010	10.0	45	100	10.0	4
4HFL.12000	12.0	30	100	12.0	4
4HFL.12010	12.0	45	100	12.0	4
4HFL.14000	14.0	30	100	14.0	4
4HFL.14010	14.0	45	100	14.0	4
4HFL.16000	16.0	45	100	16.0	4
4HFL.16010	16.0	65	150	16.0	4
4HFL.16020	16.0	75	150	16.0	4
4HFL.18000	18.0	45	100	18.0	4
4HFL.18010	18.0	65	150	18.0	4
4HFL.18020	18.0	75	150	18.0	4
4HFL.20000	20.0	75	150	20.0	4
4HFL.25000	25.0	80	150	25.0	4

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	Z (Flute)
2MFS.100402	1.0	1	4	50	0.9	4.0	2
2MFS.100602	1.0	1	6	50	0.9	4.0	2
2MFS.100802	1.0	1	8	50	0.9	4.0	2
2MFS.101002	1.0	1	10	50	0.9	4.0	2
2MFS.101202	1.0	1	12	50	0.9	4.0	2
2MFS.101402	1.0	1	14	50	0.9	4.0	2
2MFS.101602	1.0	1	16	50	0.9	4.0	2
2MFS.101802	1.0	1	18	65	0.9	4.0	2
2MFS.102002	1.0	1	20	65	0.9	4.0	2
2MFS.150602	1.5	1.5	6	50	1.4	4.0	2
2MFS.150602	1.5	1.5	6	50	1.4	4.0	2
2MFS.150802	1.5	1.5	8	50	1.4	4.0	2
2MFS.151002	1.5	1.5	10	50	1.4	4.0	2
2MFS.151202	1.5	1.5	12	50	1.4	4.0	2
2MFS.151602	1.5	1.5	16	50	1.4	4.0	2
2MFS.152002	1.5	1.5	20	65	1.4	4.0	2
2MFS.200602	2.0	2	6	50	1.9	4.0	2
2MFS.200605	2.0	2	6	50	1.9	4.0	2
2MFS.200802	2.0	2	8	50	1.9	4.0	2
2MFS.201002	2.0	2	10	50	1.9	4.0	2
2MFS.201005	2.0	2	10	50	1.9	4.0	2
2MFS.201202	2.0	2	12	50	1.9	4.0	2
2MFS.201205	2.0	2	12	50	1.9	4.0	2
2MFS.201602	2.0	2	16	50	1.9	4.0	2
2MFS.201605	2.0	2	16	50	1.9	4.0	2
2MFS.202002	2.0	2	20	65	1.9	4.0	2
2MFS.202005	2.0	2	20	65	1.9	4.0	2
2MFS.202502	2.0	2	25	65	1.9	4.0	2
2MFS.202505	2.0	2	25	65	1.9	4.0	2
2MFS.203002	2.0	2	30	65	1.9	4.0	2
2MFS.203005	2.0	2	30	65	1.9	4.0	2
2MFS.250802	2.5	2.5	8	50	2.4	4.0	2
2MFS.250805	2.5	2.5	8	50	2.4	4.0	2
2MFS.251202	2.5	2.5	12	50	2.4	4.0	2
2MFS.251205	2.5	2.5	12	50	2.4	4.0	2
2MFS.251602	2.5	2.5	16	50	2.4	4.0	2
2MFS.251605	2.5	2.5	16	50	2.4	4.0	2

Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	Z (Flute)
2MFS.252002	2.5	2.5	20	65	2.4	4.0	2
2MFS.252005	2.5	2.5	20	65	2.4	4.0	2
2MFS.252502	2.5	2.5	25	65	2.4	4.0	2
2MFS.252505	2.5	2.5	25	65	2.4	4.0	2
2MFS.301002	3.0	3	10	50	2.9	4.0	2
2MFS.301005	3.0	3	10	50	2.9	4.0	2
2MFS.311002	3.0	3	10	50	2.9	6.0	2
2MFS.311005	3.0	3	10	50	2.9	6.0	2
2MFS.301202	3.0	3	12	50	2.9	4.0	2
2MFS.301205	3.0	3	12	50	2.9	4.0	2
2MFS.311202	3.0	3	12	50	2.9	6.0	2
2MFS.311205	3.0	3	12	50	2.9	6.0	2
2MFS.301602	3.0	3	16	50	2.9	4.0	2
2MFS.301605	3.0	3	16	50	2.9	4.0	2
2MFS.311602	3.0	3	16	50	2.9	6.0	2
2MFS.311605	3.0	3	16	50	2.9	6.0	2
2MFS.302002	3.0	3	20	65	2.9	4.0	2
2MFS.302005	3.0	3	20	65	2.9	4.0	2
2MFS.312002	3.0	3	20	65	2.9	6.0	2
2MFS.312005	3.0	3	20	65	2.9	6.0	2
2MFS.302502	3.0	3	25	65	2.9	4.0	2
2MFS.302505	3.0	3	25	65	2.9	4.0	2
2MFS.312502	3.0	3	25	65	2.9	6.0	2
2MFS.312505	3.0	3	25	65	2.9	6.0	2
2MFS.303002	3.0	3	30	65	2.9	4.0	2
2MFS.303005	3.0	3	30	65	2.9	4.0	2
2MFS.313002	3.0	3	30	65	2.9	6.0	2
2MFS.313005	3.0	3	30	65	2.9	6.0	2
2MFS.303502	3.0	3	35	75	2.9	4.0	2
2MFS.303505	3.0	3	35	75	2.9	4.0	2
2MFS.313502	3.0	3	35	75	2.9	6.0	2
2MFS.313505	3.0	3	35	75	2.9	6.0	2
2MFS.401002	4.0	4	10	50	3.8	4.0	2
2MFS.401005	4.0	4	10	50	3.8	4.0	2
2MFS.411002	4.0	4	10	50	3.8	6.0	2
2MFS.411005	4.0	4	10	50	3.8	6.0	2
2MFS.401202	4.0	4	12	50	3.8	4.0	2
2MFS.401205	4.0	4	12	50	3.8	4.0	2
2MFS.411202	4.0	4	12	50	3.8	6.0	2
2MFS.411205	4.0	4	12	50	3.8	6.0	2
2MFS.401602	4.0	4	16	50	3.8	4.0	2
2MFS.401605	4.0	4	16	50	3.8	4.0	2
2MFS.411602	4.0	4	16	50	3.8	6.0	2
2MFS.411605	4.0	4	16	50	3.8	6.0	2



Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	Z (Flute)
2MFS.402002	4.0	4	20	65	3.8	4.0	2
2MFS.402005	4.0	4	20	65	3.8	4.0	2
2MFS.412002	4.0	4	20	65	3.8	6.0	2
2MFS.412005	4.0	4	20	65	3.8	6.0	2
2MFS.402502	4.0	4	25	65	3.8	4.0	2
2MFS.402505	4.0	4	25	65	3.8	4.0	2
2MFS.412502	4.0	4	25	65	3.8	6.0	2
2MFS.412505	4.0	4	25	65	3.8	6.0	2
2MFS.403002	4.0	4	30	65	3.8	4.0	2
2MFS.403005	4.0	4	30	65	3.8	4.0	2
2MFS.413002	4.0	4	30	65	3.8	6.0	2
2MFS.413005	4.0	4	30	65	3.8	6.0	2
2MFS.403502	4.0	4	35	75	3.8	4.0	2
2MFS.403505	4.0	4	35	75	3.8	4.0	2
2MFS.413502	4.0	4	35	75	3.8	6.0	2
2MFS.413505	4.0	4	35	75	3.8	6.0	2

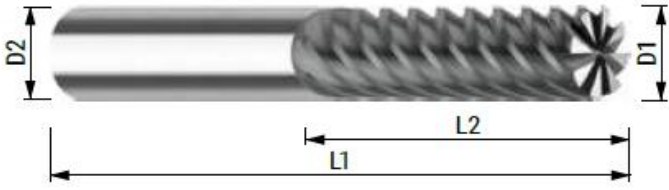




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
MCFS.03000	3.0	8	57	6.0	5
MCFS.04000	4.0	13	57	6.0	5
MCFS.05000	5.0	16	57	6.0	5
MCFS.06000	6.0	18	57	6.0	5
MCFS.08000	8.0	24	63	8.0	7
MCFS.10000	10.0	30	72	10.0	7
MCFS.12000	12.0	36	83	12.0	7
MCFS.16000	16.0	45	92	16.0	7
MCFS.18000	18.0	55	104	18.0	7
MCFS.20000	20.0	60	104	20.0	7
MCFS.25000	25.0	67	121	25.0	7

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

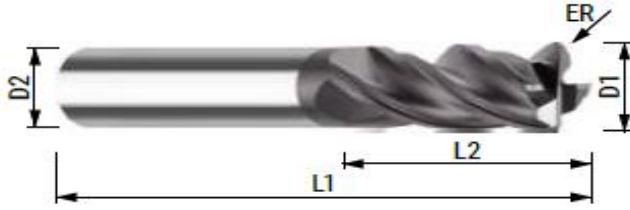




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
MCFL.06000	6.0	30	75	6.0	5
MCFL.08000	8.0	35	100	8.0	7
MCFL.10000	10.0	45	100	10.0	7
MCFL.12000	12.0	45	100	12.0	7
MCFL.16000	16.0	55	110	16.0	7
MCFL.16010	16.0	65	125	16.0	7
MCFL.16020	16.0	75	150	16.0	7
MCFL.18000	18.0	55	110	18.0	7
MCFL.18010	18.0	65	125	18.0	7
MCFL.18020	18.0	75	150	18.0	7
MCFL.20000	20.0	75	150	20.0	7
MCFL.20020	20.0	75	200	20.0	7
MCFL.25000	25.0	85	150	25.0	7
MCFL.25020	25.0	85	200	25.0	7

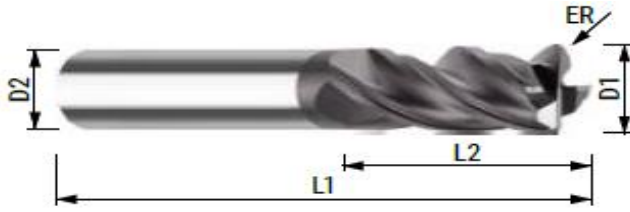
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4SCS.03005	3.0	8	57	6.0	0.5	4
4SCS.04005	4.0	11	57	6.0	0.5	4
4SCS.04010	4.0	11	57	6.0	1.0	4
4SCS.05005	5.0	13	57	6.0	0.5	4
4SCS.05010	5.0	13	57	6.0	1.0	4
4SCS.06005	6.0	13	57	6.0	0.5	4
4SCS.06010	6.0	13	57	6.0	1.0	4
4SCS.06015	6.0	13	57	6.0	1.5	4
4SCS.06020	6.0	13	57	6.0	2.0	4
4SCS.08005	8.0	19	63	8.0	0.5	4
4SCS.08010	8.0	19	63	8.0	1.0	4
4SCS.08015	8.0	19	63	8.0	1.5	4
4SCS.08020	8.0	19	63	8.0	2.0	4
4SCS.10005	10.0	22	72	10.0	0.5	4
4SCS.10010	10.0	22	72	10.0	1.0	4
4SCS.10015	10.0	22	72	10.0	1.5	4
4SCS.10020	10.0	22	72	10.0	2.0	4
4SCS.10025	10.0	22	72	10.0	2.5	4
4SCS.12005	12.0	26	83	12.0	0.5	4
4SCS.12010	12.0	26	83	12.0	1.0	4
4SCS.12015	12.0	26	83	12.0	1.5	4
4SCS.12020	12.0	26	83	12.0	2.0	4
4SCS.12025	12.0	26	83	12.0	2.5	4
4SCS.12030	12.0	26	83	12.0	3.0	4
4SCS.14010	14.0	26	83	14.0	1.0	4
4SCS.14020	14.0	26	83	14.0	2.0	4
4SCS.16010	16.0	32	92	16.0	1.0	4
4SCS.16015	16.0	32	92	16.0	1.5	4
4SCS.16020	16.0	32	92	16.0	2.0	4
4SCS.16030	16.0	32	92	16.0	3.0	4
4SCS.20010	20.0	47	104	20.0	1.0	4
4SCS.20015	20.0	47	104	20.0	1.5	4
4SCS.20020	20.0	47	104	20.0	2.0	4
4SCS.20030	20.0	47	104	20.0	3.0	4

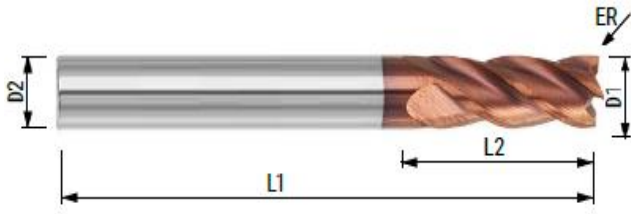
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4SCL.03005	3.0	20	60	3.0	0.5	4
4SCL.04005	4.0	20	60	4.0	0.5	4
4SCL.04010	4.0	20	60	4.0	1.0	4
4SCL.05005	5.0	25	75	5.0	0.5	4
4SCL.05010	5.0	25	75	5.0	1.0	4
4SCL.06005	6.0	45	100	6.0	0.5	4
4SCL.06010	6.0	45	100	6.0	1.0	4
4SCL.06015	6.0	45	100	6.0	1.5	4
4SCL.06020	6.0	45	100	6.0	2.0	4
4SCL.08005	8.0	45	100	8.0	0.5	4
4SCL.08010	8.0	45	100	8.0	1.0	4
4SCL.08015	8.0	45	100	8.0	1.5	4
4SCL.08020	8.0	45	100	8.0	2.0	4
4SCL.10005	10.0	45	100	10.0	0.5	4
4SCL.10010	10.0	45	100	10.0	1.0	4
4SCL.10015	10.0	45	100	10.0	1.5	4
4SCL.10020	10.0	45	100	10.0	2.0	4
4SCL.10025	10.0	45	100	10.0	2.5	4
4SCL.12005	12.0	45	120	12.0	0.5	4
4SCL.12010	12.0	45	120	12.0	1.0	4
4SCL.12015	12.0	45	120	12.0	1.5	4
4SCL.12020	12.0	45	120	12.0	2.0	4
4SCL.12025	12.0	45	120	12.0	2.5	4
4SCL.12030	12.0	45	120	12.0	3.0	4
4SCL.14010	14.0	45	125	14.0	1.0	4
4SCL.14020	14.0	45	125	14.0	2.0	4
4SCL.16010	16.0	55	125	16.0	1.0	4
4SCL.16015	16.0	55	125	16.0	1.5	4
4SCL.16020	16.0	55	125	16.0	2.0	4
4SCL.16030	16.0	55	125	16.0	3.0	4
4SCL.20010	20.0	65	150	20.0	1.0	4
4SCL.20015	20.0	65	150	20.0	1.5	4
4SCL.20020	20.0	65	150	20.0	2.0	4
4SCL.20030	20.0	65	150	20.0	3.0	4

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





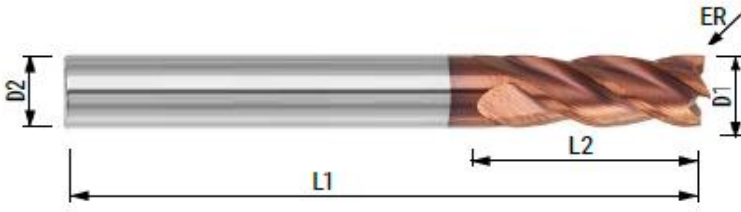
Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4HCS.03003	3.0	6	50	3.0	0.3	4
4HCS.03005	3.0	6	50	3.0	0.5	4
4HCS.04005	4.0	8	50	4.0	0.5	4
4HCS.04010	4.0	8	50	4.0	1.0	4
4HCS.05003	5.0	10	50	5.0	0.3	4
4HCS.05005	5.0	10	50	5.0	0.5	4
4HCS.05010	5.0	10	50	5.0	1.0	4
4HCS.06003	6.0	12	57	6.0	0.3	4
4HCS.06005	6.0	12	57	6.0	0.5	4
4HCS.06010	6.0	12	57	6.0	1.0	4
4HCS.06015	6.0	12	57	6.0	1.5	4
4HCS.06020	6.0	12	57	6.0	2.0	4
4HCS.08003	8.0	16	63	8.0	0.3	4
4HCS.08005	8.0	16	63	8.0	0.5	4
4HCS.08010	8.0	16	63	8.0	1.0	4
4HCS.08015	8.0	16	63	8.0	1.5	4
4HCS.08020	8.0	16	63	8.0	2.0	4
4HCS.08025	8.0	16	63	8.0	2.5	4
4HCS.08030	8.0	16	63	8.0	3.0	4
4HCS.10005	10.0	20	72	10.0	0.5	4
4HCS.10010	10.0	20	72	10.0	1.0	4
4HCS.10015	10.0	20	72	10.0	1.5	4
4HCS.10020	10.0	20	72	10.0	2.0	4
4HCS.10025	10.0	20	72	10.0	2.5	4
4HCS.10030	10.0	20	72	10.0	3.0	4
4HCS.12005	12.0	24	83	12.0	0.5	4
4HCS.12010	12.0	24	83	12.0	1.0	4
4HCS.12015	12.0	24	83	12.0	1.5	4
4HCS.12020	12.0	24	83	12.0	2.0	4
4HCS.12025	12.0	24	83	12.0	2.5	4
4HCS.12030	12.0	24	83	12.0	3.0	4

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4HCS.16005	16.0	32	92	16.0	0.5	6
4HCS.16010	16.0	32	92	16.0	1.0	6
4HCS.16015	16.0	32	92	16.0	1.5	6
4HCS.16020	16.0	32	92	16.0	2.0	6
4HCS.16025	16.0	32	92	16.0	2.5	6
4HCS.16030	16.0	32	92	16.0	3.0	6
4HCS.20005	20.0	38	104	20.0	0.5	6
4HCS.20010	20.0	38	104	20.0	1.0	6
4HCS.20015	20.0	38	104	20.0	1.5	6
4HCS.20020	20.0	38	104	20.0	2.0	6
4HCS.20025	20.0	38	104	20.0	2.5	6
4HCS.20030	20.0	38	104	20.0	3.0	6

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4HCL.03003	3.0	6	75	3.0	0.3	4
4HCL.03005	3.0	6	75	3.0	0.5	4
4HCL.04005	4.0	8	75	4.0	0.5	4
4HCL.04010	4.0	8	75	4.0	1.0	4
4HCL.05003	5.0	10	75	5.0	0.3	4
4HCL.05005	5.0	10	75	5.0	0.5	4
4HCL.05010	5.0	10	75	5.0	1.0	4
4HCL.06003	6.0	12	100	6.0	0.3	4
4HCL.06005	6.0	12	100	6.0	0.5	4
4HCL.06010	6.0	12	100	6.0	1.0	4
4HCL.06015	6.0	12	100	6.0	1.5	4
4HCL.06020	6.0	12	100	6.0	2.0	4
4HCL.08003	8.0	16	100	8.0	0.3	4
4HCL.08005	8.0	16	100	8.0	0.5	4
4HCL.08010	8.0	16	100	8.0	1.0	4
4HCL.08015	8.0	16	100	8.0	1.5	4
4HCL.08020	8.0	16	100	8.0	2.0	4
4HCL.08025	8.0	16	100	8.0	2.5	4
4HCL.08030	8.0	16	100	8.0	3.0	4
4HCL.10005	10.0	20	100	10.0	0.5	4
4HCL.10010	10.0	20	100	10.0	1.0	4
4HCL.10015	10.0	20	100	10.0	1.5	4
4HCL.10020	10.0	20	100	10.0	2.0	4
4HCL.10025	10.0	20	100	10.0	2.5	4
4HCL.10030	10.0	20	100	10.0	3.0	4
4HCL.12005	12.0	24	120	12.0	0.5	4
4HCL.12010	12.0	24	120	12.0	1.0	4
4HCL.12015	12.0	24	120	12.0	1.5	4
4HCL.12020	12.0	24	120	12.0	2.0	4
4HCL.12025	12.0	24	120	12.0	2.5	4
4HCL.12030	12.0	24	120	12.0	3.0	4

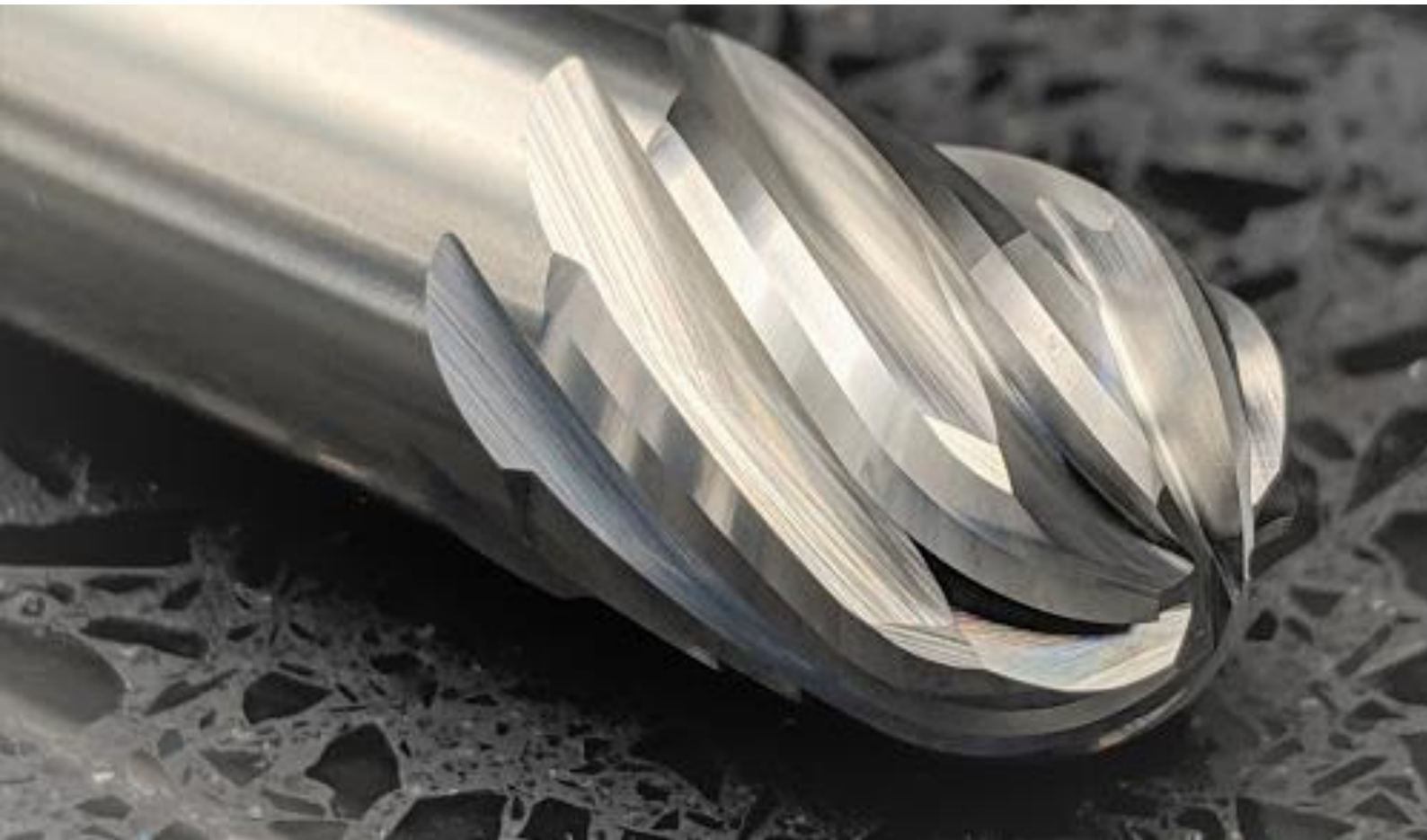
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
4HCL.16005	16.0	32	125	16.0	0.5	4
4HCL.16010	16.0	32	125	16.0	1.0	4
4HCL.16015	16.0	32	125	16.0	1.5	4
4HCL.16020	16.0	32	125	16.0	2.0	4
4HCL.16025	16.0	32	125	16.0	2.5	4
4HCL.16030	16.0	32	125	16.0	3.0	4
4HCL.20005	20.0	38	150	20.0	0.5	5
4HCL.20010	20.0	38	150	20.0	1.0	5
4HCL.20015	20.0	38	150	20.0	1.5	5
4HCL.20020	20.0	38	150	20.0	2.0	5
4HCL.20025	20.0	38	150	20.0	2.5	5
4HCL.20030	20.0	38	150	20.0	3.0	5
4HCL.20205	20.0	38	200	20.0	0.5	5
4HCL.20210	20.0	38	200	20.0	1.0	5
4HCL.20215	20.0	38	200	20.0	1.5	5
4HCL.20220	20.0	38	200	20.0	2.0	5
4HCL.20225	20.0	38	200	20.0	2.5	5
4HCL.20230	20.0	38	200	20.0	3.0	5
4HCL.25010	25.0	48	150	25.0	1.0	5
4HCL.25020	25.0	48	150	25.0	2.0	5
4HCL.25025	25.0	48	150	25.0	2.5	5
4HCL.25030	25.0	48	150	25.0	3.0	5
4HCL.25210	25.0	48	200	25.0	1.0	5
4HCL.25220	25.0	48	200	25.0	2.0	5
4HCL.25225	25.0	48	200	25.0	2.5	5
4HCL.25230	25.0	48	200	25.0	3.0	5

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

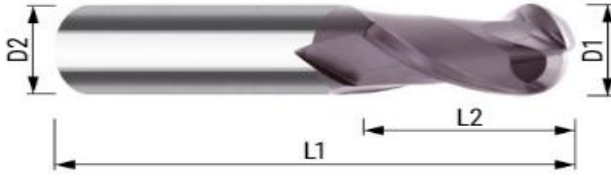


PROFİL TAKIMLARI
PROFILE MILLING TOOLS



Z2 KÜRE KARBÜR FREZE (Z2 Ball Nose Carbide End Mill)

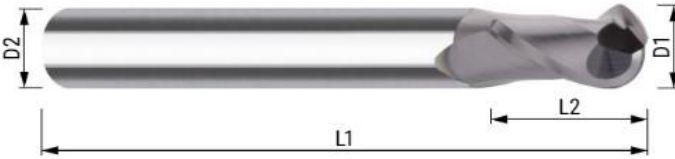
2SBS



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
2SBS.03000	3.0	6	50	3.0	2
2SBS.04000	4.0	8	50	4.0	2
2SBS.05000	5.0	10	50	5.0	2
2SBS.06000	6.0	12	57	6.0	2
2SBS.08000	8.0	16	63	8.0	2
2SBS.10000	10.0	20	72	10.0	2
2SBS.12000	12.0	24	83	12.0	2
2SBS.14000	14.0	24	83	14.0	2
2SBS.16000	16.0	30	92	16.0	2
2SBS.18000	18.0	30	92	18.0	2
2SBS.20000	20.0	35	104	20.0	2

Z2 UZUN KÜRE KARBÜR FREZE (Z2 Long Ball Nose Carbide End Mill)

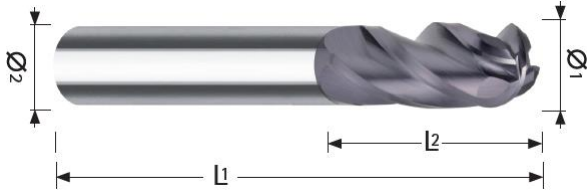
2SBL



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
2SBL.03000	3.0	6	75	3.0	2
2SBL.04000	4.0	8	75	4.0	2
2SBL.05000	5.0	10	75	5.0	2
2SBL.06000	6.0	12	100	6.0	2
2SBL.08000	8.0	16	100	8.0	2
2SBL.10000	10.0	20	100	10.0	2
2SBL.12000	12.0	24	120	12.0	2
2SBL.14000	14.0	24	120	14.0	2
2SBL.16000	16.0	30	125	16.0	2
2SBL.18000	18.0	30	150	18.0	2
2SBL.20000	20.0	35	150	20.0	2

Z4 KÜRE KARBÜR FREZE (Z4 Ball Nose Carbide End Mill)

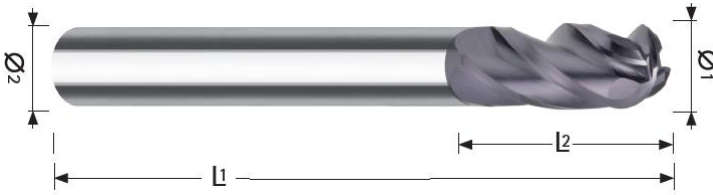
4SBS



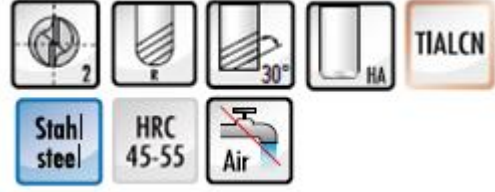
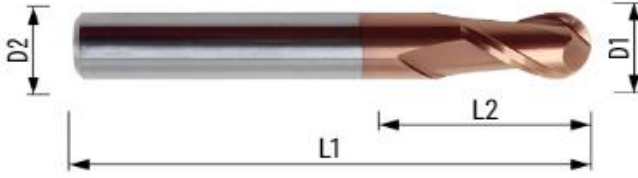
Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
4SBS.03000	3.0	6	50	3.0	2
4SBS.04000	4.0	8	50	4.0	2
4SBS.05000	5.0	10	50	5.0	2
4SBS.06000	6.0	12	57	6.0	2
4SBS.08000	8.0	16	63	8.0	2
4SBS.10000	10.0	20	72	10.0	2
4SBS.12000	12.0	24	83	12.0	2
4SBS.16000	16.0	30	92	16.0	2
4SBS.20000	20.0	35	104	20.0	2

Z4 UZUN KÜRE KARBÜR FREZE (Z4 Long Ball Nose Carbide End Mill)

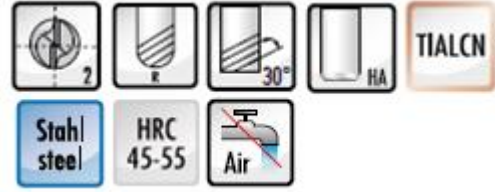
4SBL



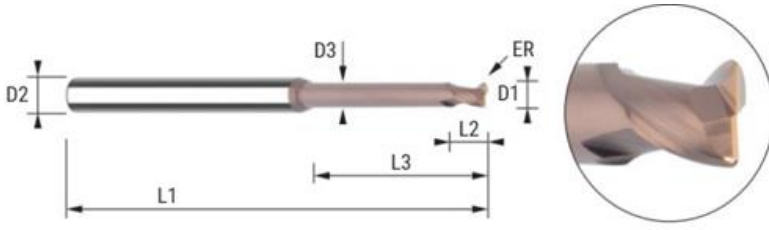
Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
4SBL.03000	3.0	6	75	3.0	2
4SBL.04000	4.0	8	75	4.0	2
4SBL.05000	5.0	10	75	5.0	2
4SBL.06000	6.0	12	100	6.0	2
4SBL.08000	8.0	16	100	8.0	2
4SBL.10000	10.0	20	100	10.0	2
4SBL.12000	12.0	24	120	12.0	2
4SBL.16000	16.0	30	125	16.0	2
4SBL.20000	20.0	35	150	20.0	2



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
2HBS.01040	1.0	2	50	4.0	2
2HBS.01540	1.5	3	50	4.0	2
2HBS.02040	2.0	4	50	4.0	2
2HBS.02540	2.5	5	50	4.0	2
2HBS.03030	3.0	6	50	3.0	2
2HBS.04040	4.0	8	50	4.0	2
2HBS.06000	6.0	12	57	6.0	2
2HBS.08000	8.0	14	63	8.0	2
2HBS.10000	10.0	16	72	10.0	2
2HBS.12000	12.0	18	83	12.0	2
2HBS.14000	14.0	18	83	14.0	2
2HBS.16000	16.0	20	92	16.0	2
2HBS.18000	18.0	25	92	18.0	2
2HBS.20000	20.0	25	104	20.0	2



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
2HBL.03000	3.0	6	75	3.0	2
2HBL.04000	4.0	8	75	4.0	2
2HBL.05000	5.0	10	75	5.0	2
2HBL.06000	6.0	12	100	6.0	2
2HBL.08000	8.0	14	100	8.0	2
2HBL.10000	10.0	16	100	10.0	2
2HBL.12000	12.0	18	120	12.0	2
2HBL.14000	14.0	18	120	14.0	2
2HBL.16000	16.0	20	125	16.0	2
2HBL.18000	18.0	25	150	18.0	2
2HBL.20000	20.0	25	150	20.0	2



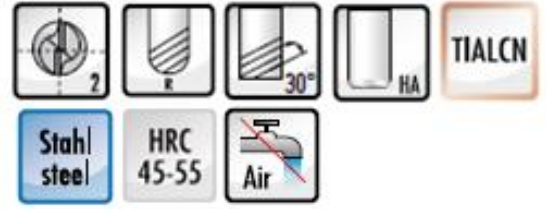
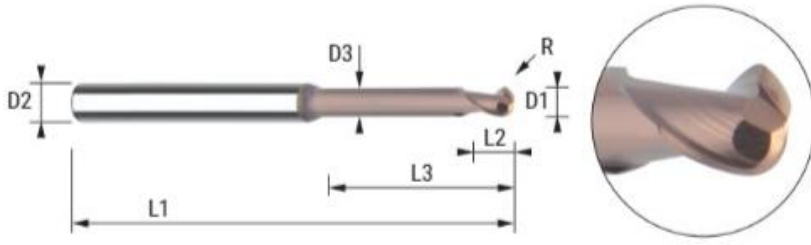
Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	ER (Radius)	Z (Flute)
2MCR.100402	1.0	1	4	50	0.9	4.0	0.2	2
2MCR.100602	1.0	1	6	50	0.9	4.0	0.2	2
2MCR.100802	1.0	1	8	50	0.9	4.0	0.2	2
2MCR.101002	1.0	1	10	50	0.9	4.0	0.2	2
2MCR.101202	1.0	1	12	50	0.9	4.0	0.2	2
2MCR.101402	1.0	1	14	50	0.9	4.0	0.2	2
2MCR.101602	1.0	1	16	50	0.9	4.0	0.2	2
2MCR.101802	1.0	1	18	65	0.9	4.0	0.2	2
2MCR.102002	1.0	1	20	65	0.9	4.0	0.2	2
2MCR.150602	1.5	1.5	6	50	1.4	4.0	0.2	2
2MCR.150602	1.5	1.5	6	50	1.4	4.0	0.2	2
2MCR.150802	1.5	1.5	8	50	1.4	4.0	0.2	2
2MCR.151002	1.5	1.5	10	50	1.4	4.0	0.2	2
2MCR.151202	1.5	1.5	12	50	1.4	4.0	0.2	2
2MCR.151602	1.5	1.5	16	50	1.4	4.0	0.2	2
2MCR.152002	1.5	1.5	20	65	1.4	4.0	0.2	2
2MCR.200602	2.0	2	6	50	1.9	4.0	0.2	2
2MCR.200605	2.0	2	6	50	1.9	4.0	0.5	2
2MCR.200802	2.0	2	8	50	1.9	4.0	0.2	2
2MCR.201002	2.0	2	10	50	1.9	4.0	0.2	2
2MCR.201005	2.0	2	10	50	1.9	4.0	0.5	2
2MCR.201202	2.0	2	12	50	1.9	4.0	0.2	2
2MCR.201205	2.0	2	12	50	1.9	4.0	0.5	2
2MCR.201602	2.0	2	16	50	1.9	4.0	0.2	2
2MCR.201605	2.0	2	16	50	1.9	4.0	0.5	2
2MCR.202002	2.0	2	20	65	1.9	4.0	0.2	2
2MCR.202005	2.0	2	20	65	1.9	4.0	0.5	2
2MCR.202502	2.0	2	25	65	1.9	4.0	0.2	2
2MCR.202505	2.0	2	25	65	1.9	4.0	0.5	2
2MCR.203002	2.0	2	30	65	1.9	4.0	0.2	2
2MCR.203005	2.0	2	30	65	1.9	4.0	0.5	2
2MCR.250802	2.5	2.5	8	50	2.4	4.0	0.2	2
2MCR.250805	2.5	2.5	8	50	2.4	4.0	0.5	2
2MCR.251202	2.5	2.5	12	50	2.4	4.0	0.2	2
2MCR.251205	2.5	2.5	12	50	2.4	4.0	0.5	2
2MCR.251602	2.5	2.5	16	50	2.4	4.0	0.2	2
2MCR.251605	2.5	2.5	16	50	2.4	4.0	0.5	2

Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	ER (Radius)	Z (Flute)
2MCR.252002	2.5	2.5	20	65	2.4	4.0	0.2	2
2MCR.252005	2.5	2.5	20	65	2.4	4.0	0.5	2
2MCR.252502	2.5	2.5	25	65	2.4	4.0	0.2	2
2MCR.252505	2.5	2.5	25	65	2.4	4.0	0.5	2
2MCR.301002	3.0	3	10	50	2.9	4.0	0.2	2
2MCR.301005	3.0	3	10	50	2.9	4.0	0.5	2
2MCR.311002	3.0	3	10	50	2.9	6.0	0.2	2
2MCR.311005	3.0	3	10	50	2.9	6.0	0.5	2
2MCR.301202	3.0	3	12	50	2.9	4.0	0.2	2
2MCR.301205	3.0	3	12	50	2.9	4.0	0.5	2
2MCR.311202	3.0	3	12	50	2.9	6.0	0.2	2
2MCR.311205	3.0	3	12	50	2.9	6.0	0.5	2
2MCR.301602	3.0	3	16	50	2.9	4.0	0.2	2
2MCR.301605	3.0	3	16	50	2.9	4.0	0.5	2
2MCR.311602	3.0	3	16	50	2.9	6.0	0.2	2
2MCR.311605	3.0	3	16	50	2.9	6.0	0.5	2
2MCR.302002	3.0	3	20	65	2.9	4.0	0.2	2
2MCR.302005	3.0	3	20	65	2.9	4.0	0.5	2
2MCR.312002	3.0	3	20	65	2.9	6.0	0.2	2
2MCR.312005	3.0	3	20	65	2.9	6.0	0.5	2
2MCR.302502	3.0	3	25	65	2.9	4.0	0.2	2
2MCR.302505	3.0	3	25	65	2.9	4.0	0.5	2
2MCR.312502	3.0	3	25	65	2.9	6.0	0.2	2
2MCR.312505	3.0	3	25	65	2.9	6.0	0.5	2
2MCR.303002	3.0	3	30	65	2.9	4.0	0.2	2
2MCR.303005	3.0	3	30	65	2.9	4.0	0.5	2
2MCR.313002	3.0	3	30	65	2.9	6.0	0.2	2
2MCR.313005	3.0	3	30	65	2.9	6.0	0.5	2
2MCR.303502	3.0	3	35	75	2.9	4.0	0.2	2
2MCR.303505	3.0	3	35	75	2.9	4.0	0.5	2
2MCR.313502	3.0	3	35	75	2.9	6.0	0.2	2
2MCR.313505	3.0	3	35	75	2.9	6.0	0.5	2
2MCR.401002	4.0	4	10	50	3.8	4.0	0.2	2
2MCR.401005	4.0	4	10	50	3.8	4.0	0.5	2
2MCR.411002	4.0	4	10	50	3.8	6.0	0.2	2
2MCR.411005	4.0	4	10	50	3.8	6.0	0.5	2
2MCR.401202	4.0	4	12	50	3.8	4.0	0.2	2
2MCR.401205	4.0	4	12	50	3.8	4.0	0.5	2
2MCR.411202	4.0	4	12	50	3.8	6.0	0.2	2
2MCR.411205	4.0	4	12	50	3.8	6.0	0.5	2
2MCR.401602	4.0	4	16	50	3.8	4.0	0.2	2
2MCR.401605	4.0	4	16	50	3.8	4.0	0.5	2
2MCR.411602	4.0	4	16	50	3.8	6.0	0.2	2
2MCR.411605	4.0	4	16	50	3.8	6.0	0.5	2



Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	ER (Radius)	Z (Flute)
2MCR.402002	4.0	4	20	65	3.8	4.0	0.2	2
2MCR.402005	4.0	4	20	65	3.8	4.0	0.5	2
2MCR.412002	4.0	4	20	65	3.8	6.0	0.2	2
2MCR.412005	4.0	4	20	65	3.8	6.0	0.5	2
2MCR.402502	4.0	4	25	65	3.8	4.0	0.2	2
2MCR.402505	4.0	4	25	65	3.8	4.0	0.5	2
2MCR.412502	4.0	4	25	65	3.8	6.0	0.2	2
2MCR.412505	4.0	4	25	65	3.8	6.0	0.5	2
2MCR.403002	4.0	4	30	65	3.8	4.0	0.2	2
2MCR.403005	4.0	4	30	65	3.8	4.0	0.5	2
2MCR.413002	4.0	4	30	65	3.8	6.0	0.2	2
2MCR.413005	4.0	4	30	65	3.8	6.0	0.5	2
2MCR.403502	4.0	4	35	75	3.8	4.0	0.2	2
2MCR.403505	4.0	4	35	75	3.8	4.0	0.5	2
2MCR.413502	4.0	4	35	75	3.8	6.0	0.2	2
2MCR.413505	4.0	4	35	75	3.8	6.0	0.5	2



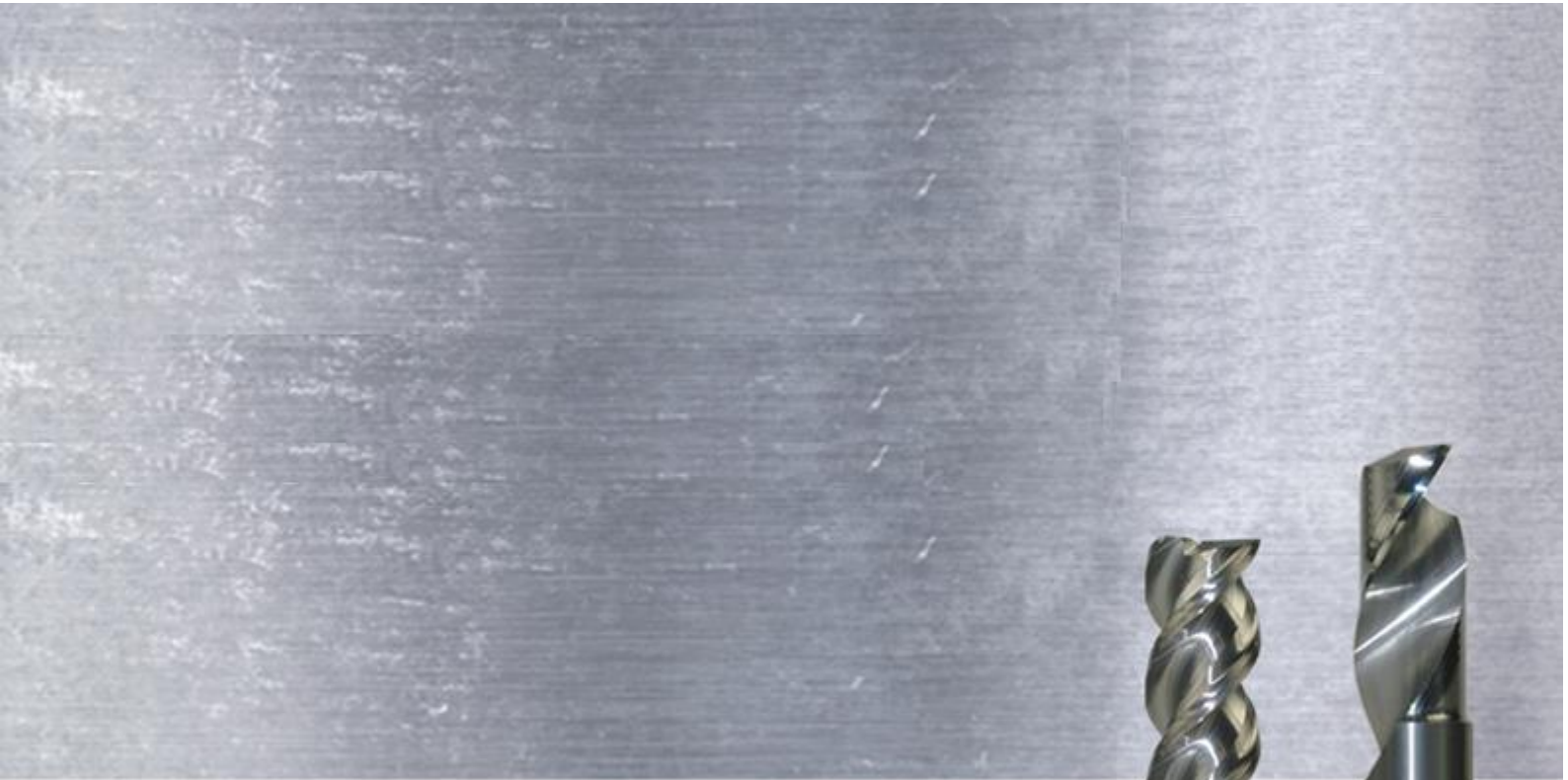


Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	R (Radius)	Z (Flute)
2MBN.100400	1.0	1	4	50	0.9	4.0	0.5	2
2MBN.100600	1.0	1	6	50	0.9	4.0	0.5	2
2MBN.100800	1.0	1	8	50	0.9	4.0	0.5	2
2MBN.101000	1.0	1	10	50	0.9	4.0	0.5	2
2MBN.101200	1.0	1	12	50	0.9	4.0	0.5	2
2MBN.101400	1.0	1	14	50	0.9	4.0	0.5	2
2MBN.101600	1.0	1	16	50	0.9	4.0	0.5	2
2MBN.101800	1.0	1	18	65	0.9	4.0	0.5	2
2MBN.102000	1.0	1	20	65	0.9	4.0	0.5	2
2MBN.150600	1.5	1.5	6	50	1.4	4.0	0.75	2
2MBN.150800	1.5	1.5	8	50	1.4	4.0	0.75	2
2MBN.151000	1.5	1.5	10	50	1.4	4.0	0.75	2
2MBN.151200	1.5	1.5	12	50	1.4	4.0	0.75	2
2MBN.151600	1.5	1.5	16	50	1.4	4.0	0.75	2
2MBN.152000	1.5	1.5	20	65	1.4	4.0	0.75	2
2MBN.200600	2.0	2	6	50	1.9	4.0	1.0	2
2MBN.200800	2.0	2	8	50	1.9	4.0	1.0	2
2MBN.201000	2.0	2	10	50	1.9	4.0	1.0	2
2MBN.201200	2.0	2	12	50	1.9	4.0	1.0	2
2MBN.201600	2.0	2	16	50	1.9	4.0	1.0	2
2MBN.202000	2.0	2	20	65	1.9	4.0	1.0	2
2MBN.202500	2.0	2	25	65	1.9	4.0	1.0	2
2MBN.203000	2.0	2	30	65	1.9	4.0	1.0	2
2MBN.250800	2.5	2.5	8	50	2.4	4.0	1.25	2
2MBN.251200	2.5	2.5	12	50	2.4	4.0	1.25	2
2MBN.251600	2.5	2.5	16	50	2.4	4.0	1.25	2
2MBN.252000	2.5	2.5	20	65	2.4	4.0	1.25	2
2MBN.252500	2.5	2.5	25	65	2.4	4.0	1.25	2
2MBN.301000	3.0	3	10	50	2.9	4.0	1.5	2
2MBN.311000	3.0	3	10	50	2.9	6.0	1.5	2
2MBN.301200	3.0	3	12	50	2.9	4.0	1.5	2
2MBN.311200	3.0	3	12	50	2.9	6.0	1.5	2
2MBN.301600	3.0	3	16	50	2.9	4.0	1.5	2
2MBN.311600	3.0	3	16	50	2.9	6.0	1.5	2
2MBN.302000	3.0	3	20	65	2.9	4.0	1.5	2
2MBN.312000	3.0	3	20	65	2.9	6.0	1.5	2

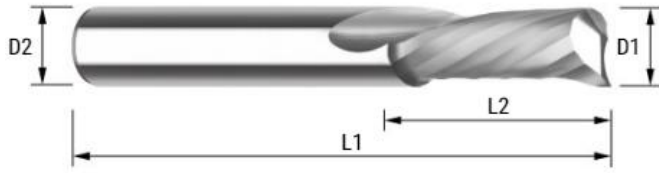
Ürün Kodu (Article No)	D1 (h11)	L2	L3	L1	D3	D2 (h6)	R (Radius)	Z (Flute)
2MBN.302500	3.0	3	25	65	2.9	4.0	1.5	2
2MBN.312500	3.0	3	25	65	2.9	6.0	1.5	2
2MBN.303000	3.0	3	30	65	2.9	4.0	1.5	2
2MBN.313000	3.0	3	30	65	2.9	6.0	1.5	2
2MBN.303500	3.0	3	35	75	2.9	4.0	1.5	2
2MBN.313500	3.0	3	35	75	2.9	6.0	1.5	2
2MBN.401000	4.0	4	10	50	3.8	4.0	2.0	2
2MBN.411000	4.0	4	10	50	3.8	6.0	2.0	2
2MBN.401200	4.0	4	12	50	3.8	4.0	2.0	2
2MBN.411200	4.0	4	12	50	3.8	6.0	2.0	2
2MBN.401600	4.0	4	16	50	3.8	4.0	2.0	2
2MBN.411600	4.0	4	16	50	3.8	6.0	2.0	2
2MBN.402000	4.0	4	20	65	3.8	4.0	2.0	2
2MBN.412000	4.0	4	20	65	3.8	6.0	2.0	2
2MBN.402500	4.0	4	25	65	3.8	4.0	2.0	2
2MBN.412500	4.0	4	25	65	3.8	6.0	2.0	2
2MBN.403000	4.0	4	30	65	3.8	4.0	2.0	2
2MBN.413000	4.0	4	30	65	3.8	6.0	2.0	2
2MBN.403500	4.0	4	35	75	3.8	4.0	2.0	2
2MBN.413500	4.0	4	35	75	3.8	6.0	2.0	2
2MBN.412505	4.0	4	25	65	3.8	6.0	2.0	2
2MBN.403002	4.0	4	30	65	3.8	4.0	2.0	2
2MBN.403005	4.0	4	30	65	3.8	4.0	2.0	2
2MBN.413002	4.0	4	30	65	3.8	6.0	2.0	2
2MBN.413005	4.0	4	30	65	3.8	6.0	2.0	2
2MBN.403502	4.0	4	35	75	3.8	4.0	2.0	2
2MBN.403505	4.0	4	35	75	3.8	4.0	2.0	2
2MBN.413502	4.0	4	35	75	3.8	6.0	2.0	2
2MBN.413505	4.0	4	35	75	3.8	6.0	2.0	2



ALÜMİNYUM / PLASTİK
ALUMINIUM / PLASTIC



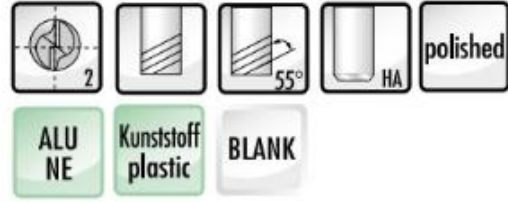
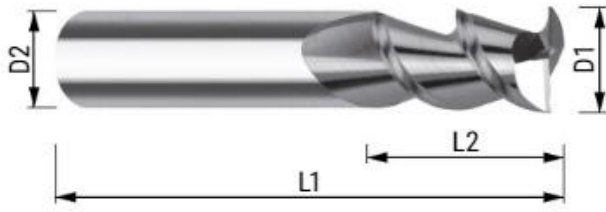
Aluminium



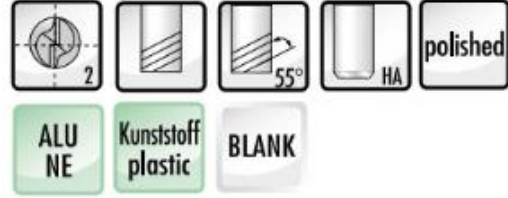
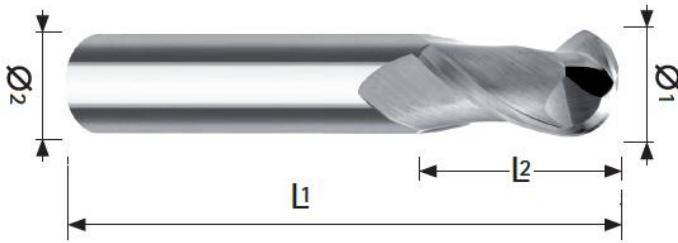
Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
1AFS.01500	1.5	6	50	3.0	1
1AFS.02000	2.0	6	50	3.0	1
1AFS.02010	2.0	10	50	3.0	1
1AFS.02500	2.5	6	50	3.0	1
1AFS.02510	2.5	10	50	3.0	1
1AFS.03000	3.0	10	50	3.0	1
1AFS.03010	3.0	15	60	6.0	1
1SFS.04000	4.0	16	50	4.0	1
1SFS.04010	4.0	16	60	6.0	1
1AFS.05000	5.0	16	50	5.0	1
1SFS.05010	5.0	20	60	6.0	1
1AFS.06000	6.0	20	60	6.0	1
1SFS.06010	6.0	30	60	6.0	1
1SFS.06020	6.0	35	75	6.0	1
1AFS.08000	8.0	22	63	8.0	1
1AFS.10000	10.0	25	72	10.0	1
1AFS.12000	12.0	30	83	12.0	1
1AFS.16000	16.0	35	92	16.0	1
1AFS.20000	20.0	40	104	20.0	1

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

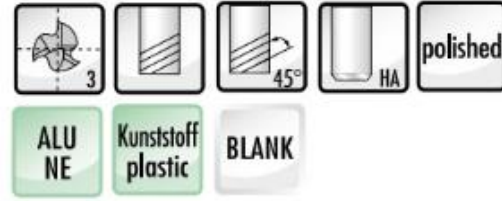
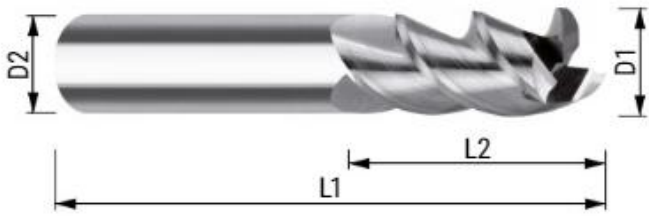




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
2AFS.03000	3.0	8	57	6.0	2
2AFS.04000	4.0	11	57	6.0	2
2AFS.05000	5.0	13	57	6.0	2
2AFS.06000	6.0	13	57	6.0	2
2AFS.08000	8.0	19	63	8.0	2
2AFS.10000	10.0	22	72	10.0	2
2AFS.12000	12.0	26	83	12.0	2
2AFS.14000	14.0	26	83	14.0	2
2AFS.16000	16.0	32	92	16.0	2
2AFS.18000	18.0	32	92	18.0	2
2AFS.20000	20.0	38	104	20.0	2

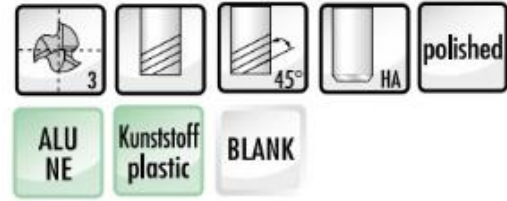
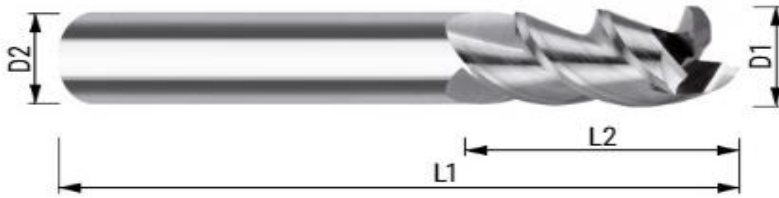


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
2ABS.01000	1.0	3	38	3.0	2
2ABS.01500	1.5	3	38	3.0	2
2ABS.02000	2.0	5	38	3.0	2
2ABS.02500	2.5	5	38	3.0	2
2ABS.03000	3.0	7	38	3.0	2
2ABS.04000	4.0	14	50	4.0	2
2ABS.05000	5.0	16	50	5.0	2
2ABS.06000	6.0	19	57	6.0	2
2ABS.08000	8.0	20	63	8.0	2
2ABS.10000	10.0	22	72	10.0	2
2ABS.12000	12.0	26	83	12.0	2
2ABS.16000	16.0	32	92	16.0	2
2ABS.18000	18.0	32	92	18.0	2
2ABS.20000	20.0	38	104	20.0	2



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
3AFS.06000	6.0	16	57	6.0	3
3AFS.08000	8.0	22	63	8.0	3
3AFS.10000	10.0	27	72	10.0	3
3AFS.12000	12.0	32	83	12.0	3
3AFS.14000	14.0	32	83	14.0	3
3AFS.16000	16.0	42	92	16.0	3
3AFS.18000	18.0	47	104	18.0	3
3AFS.20000	20.0	47	104	20.0	3

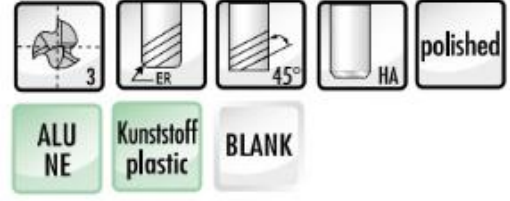
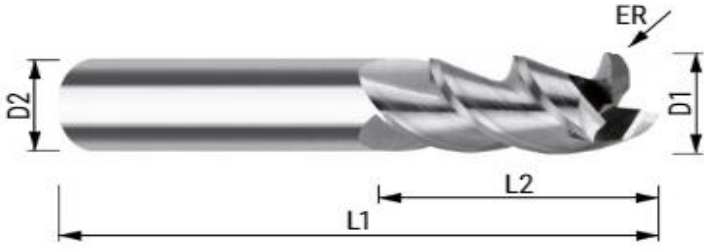
Z3 POLİSAJLI ALU UZUN KARBÜR FREZE (Z3 Polished ALU Long Carbide End Mill)



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
3AFL.06000	6.0	45	100	6.0	3
3AFL.08000	8.0	45	100	8.0	3
3AFL.10000	10.0	45	100	10.0	3
3AFL.12000	12.0	45	100	12.0	3
3AFL.12010	12.0	55	120	12.0	3
3AFL.14000	14.0	45	100	14.0	3
3AFL.16000	16.0	65	125	16.0	3
3AFL.16010	16.0	75	150	16.0	3
3AFL.18000	18.0	75	150	18.0	3
3AFL.20000	20.0	75	150	20.0	3

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)

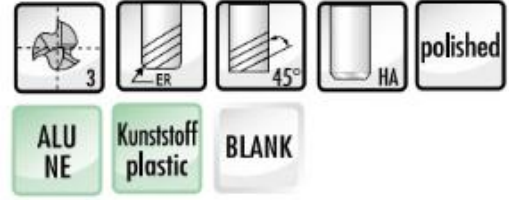
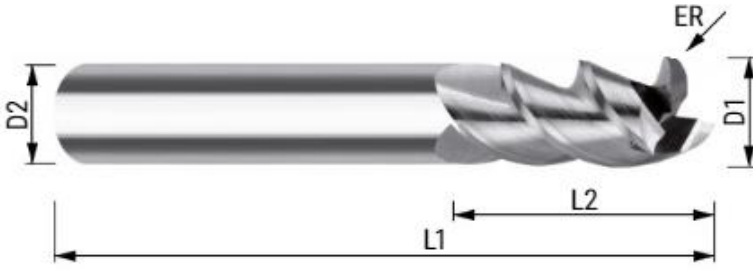




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
3ACS.06005	6.0	16	57	6.0	0.5	3
3ACS.06010	6.0	16	57	6.0	1.0	3
3ACS.06015	6.0	16	57	6.0	1.5	3
3ACS.06020	6.0	16	57	6.0	2.0	3
3ACS.08005	8.0	22	63	8.0	0.5	3
3ACS.08010	8.0	22	63	8.0	1.0	3
3ACS.08015	8.0	22	63	8.0	1.5	3
3ACS.08020	8.0	22	63	8.0	2.0	3
3ACS.10005	10.0	27	72	10.0	0.5	3
3ACS.10010	10.0	27	72	10.0	1.0	3
3ACS.10015	10.0	27	72	10.0	1.5	3
3ACS.10020	10.0	27	72	10.0	2.0	3
3ACS.10025	10.0	27	72	10.0	2.5	3
3ACS.12005	12.0	32	83	12.0	0.5	3
3ACS.12010	12.0	32	83	12.0	1.0	3
3ACS.12015	12.0	32	83	12.0	1.5	3
3ACS.12020	12.0	32	83	12.0	2.0	3
3ACS.12025	12.0	32	83	12.0	2.5	3
3ACS.14010	14.0	32	83	14.0	1.0	3
3ACS.14020	14.0	32	83	14.0	2.0	3
3ACS.16010	16.0	42	92	16.0	1.0	3
3ACS.16015	16.0	42	92	16.0	1.5	3
3ACS.16020	16.0	42	92	16.0	2.0	3
3ACS.16025	16.0	42	92	16.0	2.5	3
3ACS.20010	20.0	47	104	20.0	1.0	3
3ACS.20015	20.0	47	104	20.0	1.5	3
3ACS.20020	20.0	47	104	20.0	2.0	3
3ACS.20025	20.0	47	104	20.0	2.5	3
3ACS.20030	20.0	47	104	20.0	3.0	3

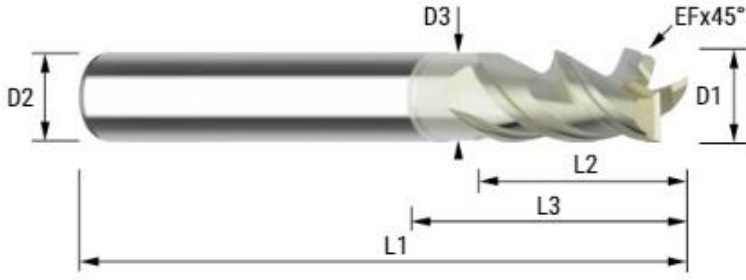
❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)





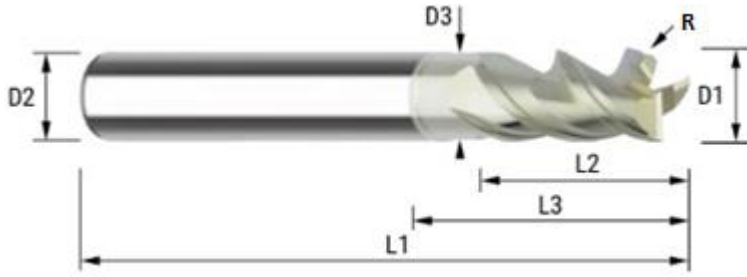
Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	ER (Radius)	Z (Flute)
3ACL.06005	6.0	45	100	6.0	0.5	3
3ACL.06010	6.0	45	100	6.0	1.0	3
3ACL.06015	6.0	45	100	6.0	1.5	3
3ACL.06020	6.0	45	100	6.0	2.0	3
3ACL.08005	8.0	45	100	8.0	0.5	3
3ACL.08010	8.0	45	100	8.0	1.0	3
3ACL.08015	8.0	45	100	8.0	1.5	3
3ACL.08020	8.0	45	100	8.0	2.0	3
3ACL.10005	10.0	45	100	10.0	0.5	3
3ACL.10010	10.0	45	100	10.0	1.0	3
3ACL.10015	10.0	45	100	10.0	1.5	3
3ACL.10020	10.0	45	100	10.0	2.0	3
3ACL.10025	10.0	45	100	10.0	2.5	3
3ACL.12005	12.0	45	120	12.0	0.5	3
3ACL.12010	12.0	45	120	12.0	1.0	3
3ACL.12015	12.0	45	120	12.0	1.5	3
3ACL.12020	12.0	45	120	12.0	2.0	3
3ACL.12025	12.0	45	120	12.0	2.5	3
3ACL.14010	14.0	45	120	14.0	1.0	3
3ACL.14020	14.0	45	120	14.0	2.0	3
3ACL.16010	16.0	65	125	16.0	1.0	3
3ACL.16015	16.0	65	125	16.0	1.5	3
3ACL.16020	16.0	65	125	16.0	2.0	3
3ACL.16025	16.0	65	125	16.0	2.5	3
3ACL.20010	20.0	75	150	20.0	1.0	3
3ACL.20015	20.0	75	150	20.0	1.5	3
3ACL.20020	20.0	75	150	20.0	2.0	3
3ACL.20025	20.0	75	150	20.0	2.5	3
3ACL.20030	20.0	75	150	20.0	3.0	3

❖ Özel ölçülerde talepleriniz için lütfen irtibata geçiniz. (Please contact us for your special requests.)



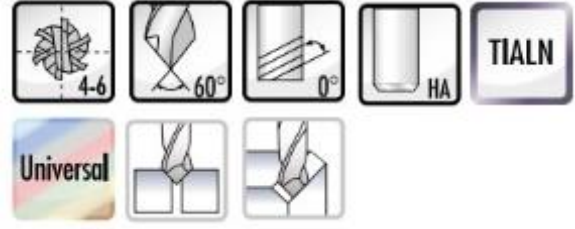
Ürün Kodu (Article No)	D1 (h11)	L2/L3	L1	D2 (h6)	EF (Chamfer)	Z (Flute)
3AVX.03000	3.0	8/13	57	6.0	0.10	3
3AVX.04000	4.0	11/18	57	6.0	0.10	3
3AVX.05000	5.0	13/18	57	6.0	0.10	3
3AVX.06000	6.0	13/18	57	6.0	0.20	3
3AVX.06100	6.0	13/42	80	6.0	0.20	3
3AVX.08000	8.0	21/26	63	8.0	0.20	3
3AVX.08100	8.0	21/50	100	8.0	0.20	3
3AVX.10000	10.0	22/30	72	10.0	0.20	3
3AVX.10100	10.0	22/55	100	10.0	0.20	3
3AVX.12000	12.0	26/36	83	12.0	0.20	3
3AVX.12100	12.0	26/60	110	12.0	0.20	3
3AVX.16000	16.0	36/42	92	16.0	0.20	3
3AVX.16100	16.0	36/90	150	16.0	0.20	3
3AVX.18000	18.0	36/42	92	18.0	0.20	3
3AVX.18100	18.0	36/100	150	18.0	0.20	3
3AVX.20000	20.0	41/52	104	20.0	0.20	3
3AVX.20100	20.0	41/100	150	20.0	0.20	3
3AVX.25000	25.0	50/65	121	25.0	0.30	3





Ürün Kodu (Article No)	D1 (h11)	L2/L3	L1	D2 (h6)	R (Radius)	Z (Flute)
3ACX.03005	3.0	8/13	57	6.0	0.5	3
3ACX.04005	4.0	11/18	57	6.0	0.5	3
3ACX.04010	4.0	11/18	57	6.0	1.0	3
3ACX.05005	5.0	13/18	57	6.0	0.5	3
3ACX.05010	5.0	13/18	57	6.0	1.0	3
3ACX.06005	6.0	13/18	57	6.0	0.5	3
3ACX.06010	6.0	13/18	57	6.0	1.0	3
3ACX.06015	6.0	13/18	57	6.0	1.5	3
3ACX.08005	8.0	21/26	63	8.0	0.5	3
3ACX.08010	8.0	21/26	63	8.0	1.0	3
3ACX.08015	8.0	21/26	63	8.0	1.5	3
3ACX.08020	8.0	21/26	63	8.0	2.0	3
3ACX.10005	10.0	22/30	72	10.0	0.5	3
3ACX.10010	10.0	22/30	72	10.0	1.0	3
3ACX.10015	10.0	22/30	72	10.0	1.5	3
3ACX.10020	10.0	22/30	72	10.0	2.0	3
3ACX.10025	10.0	22/30	72	10.0	2.5	3
3ACX.12005	12.0	26/36	83	12.0	0.5	3
3ACX.12010	12.0	26/36	83	12.0	1.0	3
3ACX.12015	12.0	26/36	83	12.0	1.5	3
3ACX.12020	12.0	26/36	83	12.0	2.0	3
3ACX.12025	12.0	26/36	83	12.0	2.5	3
3ACX.12030	12.0	26/36	83	12.0	3.0	3
3ACX.16010	16.0	36/42	92	16.0	1.0	3
3ACX.16015	16.0	36/42	92	16.0	1.5	3
3ACX.16020	16.0	36/42	92	16.0	2.0	3
3ACX.16025	16.0	36/42	92	16.0	2.5	3
3ACX.16030	16.0	36/42	92	16.0	3.0	3
3ACX.20010	20.0	41/52	104	20.0	1.0	3
3ACX.20015	20.0	41/52	104	20.0	1.5	3
3ACX.20020	20.0	41/52	104	20.0	2.0	3
3ACX.20025	20.0	41/52	104	20.0	2.5	3
3ACX.20030	20.0	41/52	104	20.0	3.0	3

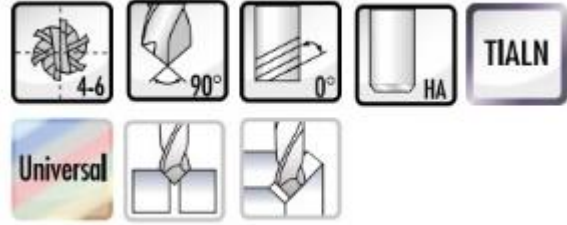
60° KÖŞE PAH/ÇAPAK ALMA KARBÜR FREZE (60° Deburring Carbide End Mill)



Ürün Kodu (Article No)	D1 (h11)	L1	D2 (h6)	Z (Flute)
60CH.04000	4.0	50	4.0	4
60CH.06000	6.0	50	6.0	4
60CH.08000	8.0	65	8.0	5
60CH.10000	10.0	65	10.0	6
60CH.12000	12.0	65	12.0	6
60CH.16000	16.0	80	16.0	6
60CH.20000	20.0	80	20.0	6

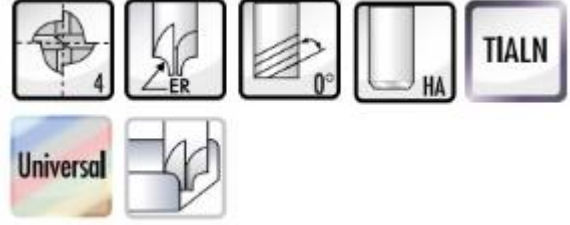
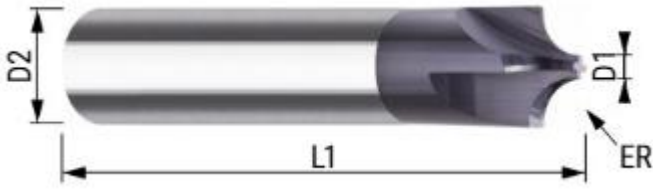
90° KÖŞE PAH/ÇAPAK ALMA KARBÜR FREZE (90° Deburring Carbide End Mill)

90CH



Ürün Kodu (Article No)	D1 (h11)	L1	D2 (h6)	Z (Flute)
90CH.04000	4.0	50	4.0	4
90CH.06000	6.0	50	6.0	4
90CH.08000	8.0	65	8.0	5
90CH.10000	10.0	65	10.0	6
90CH.12000	12.0	65	12.0	6
90CH.16000	16.0	80	16.0	6
90CH.20000	20.0	80	20.0	6



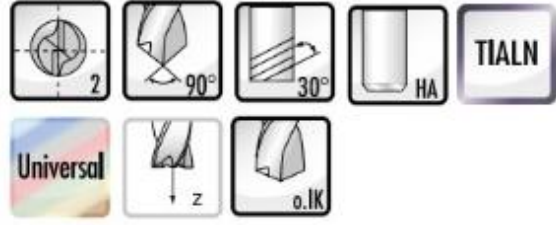
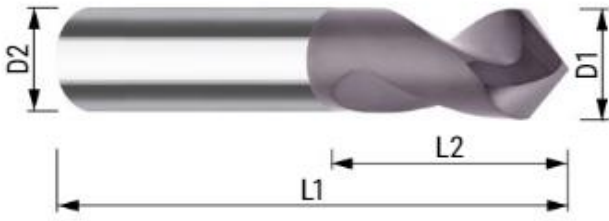


Ürün Kodu (Article No)	ER (Radius)	D1 (h11)	L1	D2 (h6)	Z (Flute)
4ICS.00200	0.2	5.6	57	6.0	4
4ICS.00300	0.3	5.4	57	6.0	4
4ICS.00500	0.5	7.0	63	8.0	4
4ICS.01000	1.0	6.0	63	8.0	4
4ICS.01500	1.5	7.0	72	10.0	4
4ICS.02000	2.0	6.0	72	10.0	4
4ICS.02500	2.5	7.0	80	12.0	4
4ICS.03000	3.0	6.0	80	12.0	4
4ICS.03500	3.5	9.0	80	16.0	4
4ICS.04000	4.0	8.0	80	16.0	4
4ICS.04500	4.5	7.0	80	16.0	4
4ICS.05000	5.0	10.0	80	20.0	4
4ICS.06000	6.0	8.0	80	20.0	4
4ICS.08000	8.0	9.0	100	25.0	4
4ICS.10000	10.0	5.0	100	25.0	4

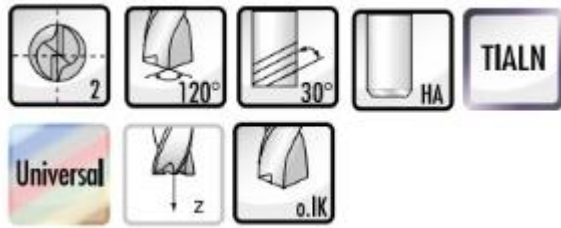
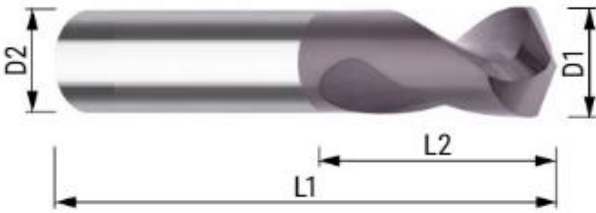


MATKAPLAR / RAYBALAR
DRILLS / REAMERS

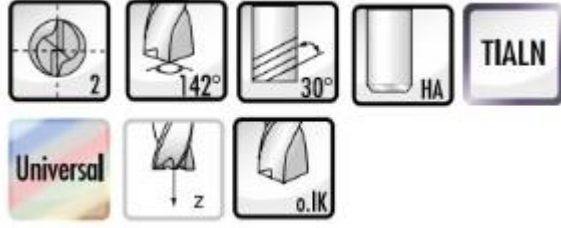
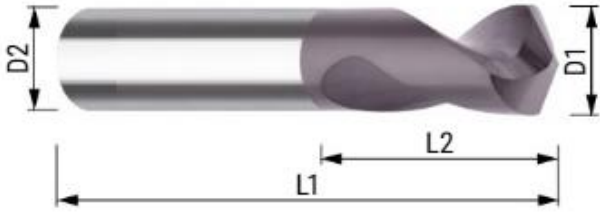




Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
S090.03000	3.0	8	40	3.0	2
S090.04000	4.0	10.0	50	4.0	2
S090.05000	5.0	13.0	50	5.0	2
S090.06000	6.0	13.0	57	6.0	2
S090.08000	8.0	18.0	63	8.0	2
S090.10000	10.0	20.0	72	10.0	2
S090.12000	12.0	22.0	83	12.0	2
S090.16000	16.0	24.0	92	16.0	2
S090.20000	20.0	30.0	104	20.0	2

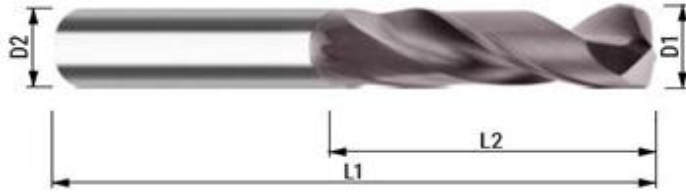


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
S120.03000	3.0	8	40	3.0	2
S120.04000	4.0	10.0	50	4.0	2
S120.05000	5.0	13.0	50	5.0	2
S120.06000	6.0	13.0	57	6.0	2
S120.08000	8.0	18.0	63	8.0	2
S120.10000	10.0	20.0	72	10.0	2
S120.12000	12.0	22.0	83	12.0	2
S120.16000	16.0	24.0	92	16.0	2
S120.20000	20.0	30.0	104	20.0	2



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)	Z (Flute)
S142.03000	3.0	8	40	3.0	2
S142.04000	4.0	10.0	50	4.0	2
S142.05000	5.0	13.0	50	5.0	2
S142.06000	6.0	13.0	57	6.0	2
S142.08000	8.0	18.0	63	8.0	2
S142.10000	10.0	20.0	72	10.0	2
S142.12000	12.0	22.0	83	12.0	2
S142.16000	16.0	24.0	92	16.0	2
S142.20000	20.0	30.0	104	20.0	2





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPS.01000	1.0	8	38	3
3DPS.01100	1.1	8	38	3
3DPS.01200	1.2	8	38	3
3DPS.01300	1.3	8	38	3
3DPS.01400	1.4	8	38	3
3DPS.01500	1.5	8	50	3
3DPS.01600	1.6	8	50	3
3DPS.01700	1.7	10	50	3
3DPS.01800	1.8	10	50	3
3DPS.01900	1.9	10	50	3
3DPS.02000	2.0	16	50	3
3DPS.02100	2.1	16	50	3
3DPS.02200	2.2	16	50	3
3DPS.02300	2.3	16	50	3
3DPS.02400	2.4	16	50	3
3DPS.02500	2.5	20	50	3
3DPS.02600	2.6	20	50	3
3DPS.02700	2.7	20	50	3
3DPS.02800	2.8	20	50	3
3DPS.02900	2.9	20	50	3
3DPS.03000	3.0	20	62	6
3DPS.03100	3.1	20	62	6
3DPS.03200	3.2	20	62	6
3DPS.03300	3.3	20	62	6
3DPS.03400	3.4	20	62	6
3DPS.03500	3.5	20	62	6
3DPS.03600	3.6	20	62	6
3DPS.03700	3.7	20	62	6
3DPS.03800	3.8	24	66	6
3DPS.03900	3.9	24	66	6
3DPS.04000	4.0	24	66	6
3DPS.04100	4.1	24	66	6
3DPS.04200	4.2	24	66	6
3DPS.04300	4.3	24	66	6
3DPS.04400	4.4	24	66	6
3DPS.04500	4.5	24	66	6
3DPS.04600	4.6	24	66	6
3DPS.04700	4.7	24	66	6

Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPS.04800	4.8	28	66	6
3DPS.05000	5.0	28	66	6
3DPS.05100	5.1	28	66	6
3DPS.05200	5.2	28	66	6
3DPS.05300	5.3	28	66	6
3DPS.05400	5.4	28	66	6
3DPS.05500	5.5	28	66	6
3DPS.05600	5.6	28	66	6
3DPS.05800	5.8	28	66	6
3DPS.05900	5.9	28	66	6
3DPS.06000	6.0	28	66	6
3DPS.06100	6.1	34	79	8
3DPS.06200	6.2	34	79	8
3DPS.06300	6.3	34	79	8
3DPS.06400	6.4	34	79	8
3DPS.06500	6.5	34	79	8
3DPS.06600	6.6	34	79	8
3DPS.06700	6.7	34	79	8
3DPS.06800	6.8	34	79	8
3DPS.06900	6.9	34	79	8
3DPS.07000	7.0	34	79	8
3DPS.07100	7.1	41	79	8
3DPS.07200	7.2	41	79	8
3DPS.07300	7.3	41	79	8
3DPS.07400	7.4	41	79	8
3DPS.07500	7.5	41	79	8
3DPS.07600	7.6	41	79	8
3DPS.07700	7.7	41	79	8
3DPS.07800	7.8	41	79	8
3DPS.07900	7.9	41	79	8
3DPS.08000	8.0	41	79	8
3DPS.08100	8.1	47	89	10
3DPS.08200	8.2	47	89	10
3DPS.08300	8.3	47	89	10
3DPS.08400	8.4	47	89	10
3DPS.08500	8.5	47	89	10
3DPS.08600	8.6	47	89	10
3DPS.08700	8.7	47	89	10
3DPS.08800	8.8	47	89	10
3DPS.08900	8.9	47	89	10
3DPS.09000	9.0	47	89	10
3DPS.09100	9.1	47	89	10
3DPS.09200	9.2	47	89	10
3DPS.09300	9.3	47	89	10
3DPS.09400	9.4	47	89	10
3DPS.09500	9.5	47	89	10
3DPS.09600	9.6	47	89	10



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPS.09700	9.7	47	89	10
3DPS.09800	9.8	47	89	10
3DPS.09900	9.9	47	89	10
3DPS.10000	10.0	47	89	10
3DPS.10100	10.1	55	102	12
3DPS.10200	10.2	55	102	12
3DPS.10300	10.3	55	102	12
3DPS.10400	10.4	55	102	12
3DPS.10500	10.5	55	102	12
3DPS.10600	10.6	55	102	12
3DPS.10700	10.7	55	102	12
3DPS.10800	10.8	55	102	12
3DPS.10900	10.9	55	102	12
3DPS.11000	11.0	55	102	12
3DPS.11100	11.1	55	102	12
3DPS.11200	11.2	55	102	12
3DPS.11300	11.3	55	102	12
3DPS.11400	11.4	55	102	12
3DPS.11500	11.5	55	102	12
3DPS.11600	11.6	55	102	12
3DPS.11700	11.7	55	102	12
3DPS.11800	11.8	55	102	12
3DPS.11900	11.9	55	102	12
3DPS.12000	12.0	55	102	12
3DPS.12100	12.1	60	107	14
3DPS.12200	12.2	60	107	14
3DPS.12300	12.3	60	107	14
3DPS.12400	12.4	60	107	14
3DPS.12500	12.5	60	107	14
3DPS.12600	12.6	60	107	14
3DPS.12700	12.7	60	107	14
3DPS.12800	12.8	60	107	14
3DPS.12900	12.9	60	107	14
3DPS.13000	13.0	60	107	14
3DPS.13100	13.1	60	107	14
3DPS.13200	13.2	60	107	14
3DPS.13300	13.3	60	107	14
3DPS.13400	13.4	60	107	14
3DPS.13500	13.5	60	107	14
3DPS.13600	13.6	60	107	14
3DPS.13700	13.7	60	107	14
3DPS.13800	13.8	60	107	14
3DPS.13900	13.9	60	107	14
3DPS.14000	14.0	60	107	14
3DPS.14100	14.1	65	115	16
3DPS.14200	14.2	65	115	16
3DPS.14300	14.3	65	115	16

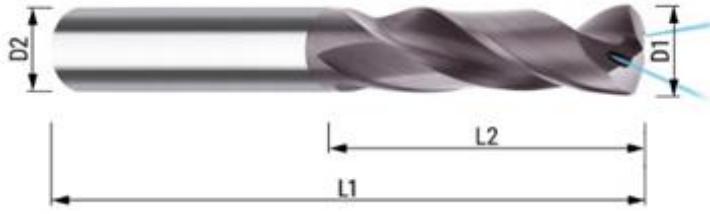


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPS.14400	14.4	65	115	16
3DPS.14500	14.5	65	115	16
3DPS.14600	14.6	65	115	16
3DPS.14700	14.7	65	115	16
3DPS.14800	14.8	65	115	16
3DPS.14900	14.9	65	115	16
3DPS.15000	15.0	65	115	16
3DPS.15100	15.1	65	115	16
3DPS.15200	15.2	65	115	16
3DPS.15300	15.3	65	115	16
3DPS.15400	15.4	65	115	16
3DPS.15500	15.5	65	115	16
3DPS.15600	15.6	65	115	16
3DPS.15700	15.7	65	115	16
3DPS.15800	15.8	65	115	16
3DPS.15900	15.9	65	115	16
3DPS.16000	16.0	65	115	16
3DPS.16100	16.1	73	123	18
3DPS.16200	16.2	73	123	18
3DPS.16300	16.3	73	123	18
3DPS.16400	16.4	73	123	18
3DPS.16500	16.5	73	123	18
3DPS.16600	16.6	73	123	18
3DPS.16700	16.7	73	123	18
3DPS.16800	16.8	73	123	18
3DPS.16900	16.9	73	123	18
3DPS.17000	17.0	73	123	18
3DPS.17100	17.1	73	123	18
3DPS.17200	17.2	73	123	18
3DPS.17300	17.3	73	123	18
3DPS.17400	17.4	73	123	18
3DPS.17500	17.5	73	123	18
3DPS.17600	17.6	73	123	18
3DPS.17700	17.7	73	123	18
3DPS.17800	17.8	73	123	18
3DPS.17900	17.9	73	123	18
3DPS.18000	18.0	73	123	18
3DPS.18100	18.1	79	132	20
3DPS.18200	18.2	79	132	20
3DPS.18300	18.3	79	132	20
3DPS.18400	18.4	79	132	20
3DPS.18500	18.5	79	132	20
3DPS.18600	18.6	79	132	20
3DPS.18700	18.7	79	132	20
3DPS.18800	18.8	79	132	20
3DPS.18900	18.9	79	132	20
3DPS.19000	19.0	79	132	20



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPS.19100	19.1	79	132	20
3DPS.19200	19.2	79	132	20
3DPS.19300	19.3	79	132	20
3DPS.19400	19.4	79	132	20
3DPS.19500	19.5	79	132	20
3DPS.19600	19.6	79	132	20
3DPS.19700	19.7	79	132	20
3DPS.19800	19.8	79	132	20
3DPS.19900	19.9	79	132	20
3DPS.20000	20.0	79	132	20





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPC.03000	3.0	20	62	6
3DPC.03100	3.1	20	62	6
3DPC.03200	3.2	20	62	6
3DPC.03300	3.3	20	62	6
3DPC.03400	3.4	20	62	6
3DPC.03500	3.5	20	62	6
3DPC.03600	3.6	20	62	6
3DPC.03700	3.7	20	62	6
3DPC.03800	3.8	24	66	6
3DPC.03900	3.9	24	66	6
3DPC.04000	4.0	24	66	6
3DPC.04100	4.1	24	66	6
3DPC.04200	4.2	24	66	6
3DPC.04300	4.3	24	66	6
3DPC.04400	4.4	24	66	6
3DPC.04500	4.5	24	66	6
3DPC.04600	4.6	24	66	6
3DPC.04700	4.7	24	66	6
3DPC.04800	4.8	28	66	6
3DPC.05000	5.0	28	66	6
3DPC.05100	5.1	28	66	6
3DPC.05200	5.2	28	66	6
3DPC.05300	5.3	28	66	6
3DPC.05400	5.4	28	66	6
3DPC.05500	5.5	28	66	6
3DPC.05600	5.6	28	66	6
3DPC.05700	5.7	28	66	6
3DPC.05800	5.8	28	66	6
3DPC.06000	6.0	28	66	6
3DPC.06100	6.1	34	79	8
3DPC.06200	6.2	34	79	8
3DPC.06300	6.3	34	79	8
3DPC.06500	6.5	34	79	8
3DPC.06600	6.6	34	79	8
3DPC.06700	6.7	34	79	8
3DPC.06800	6.8	34	79	8



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPC.06900	6.9	34	79	8
3DPC.07000	7.0	34	79	8
3DPC.07100	7.1	41	79	8
3DPC.07200	7.2	41	79	8
3DPC.07300	7.3	41	79	8
3DPC.07400	7.4	41	79	8
3DPC.07500	7.5	41	79	8
3DPC.07600	7.6	41	79	8
3DPC.07700	7.7	41	79	8
3DPC.07800	7.8	41	79	8
3DPC.07900	7.9	41	79	8
3DPC.08000	8.0	41	79	8
3DPC.08100	8.1	47	89	10
3DPC.08200	8.2	47	89	10
3DPC.08300	8.3	47	89	10
3DPC.08400	8.4	47	89	10
3DPC.08500	8.5	47	89	10
3DPC.08600	8.6	47	89	10
3DPC.08700	8.7	47	89	10
3DPC.08800	8.8	47	89	10
3DPC.08900	8.9	47	89	10
3DPC.09000	9.0	47	89	10
3DPC.09100	9.1	47	89	10
3DPC.09200	9.2	47	89	10
3DPC.09300	9.3	47	89	10
3DPC.09400	9.4	47	89	10
3DPC.09500	9.5	47	89	10
3DPC.09600	9.6	47	89	10
3DPC.09700	9.7	47	89	10
3DPC.09800	9.8	47	89	10
3DPC.09900	9.9	47	89	10
3DPC.10000	10.0	47	89	10
3DPC.10100	10.1	55	102	12
3DPC.10200	10.2	55	102	12
3DPC.10300	10.3	55	102	12
3DPC.10400	10.4	55	102	12
3DPC.10500	10.5	55	102	12
3DPC.10600	10.6	55	102	12
3DPC.10700	10.7	55	102	12
3DPC.10800	10.8	55	102	12
3DPC.10900	10.9	55	102	12
3DPC.11000	11.0	55	102	12
3DPC.11100	11.1	55	102	12
3DPC.11200	11.2	55	102	12
3DPC.11300	11.3	55	102	12
3DPC.11400	11.4	55	102	12

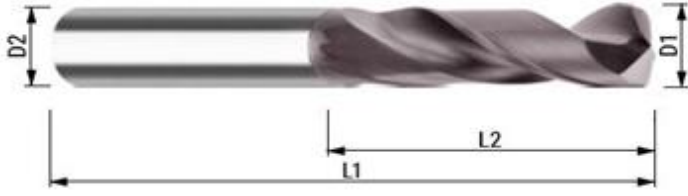


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPC.11500	11.5	55	102	12
3DPC.11600	11.6	55	102	12
3DPC.11700	11.7	55	102	12
3DPC.11800	11.8	55	102	12
3DPC.11900	11.9	55	102	12
3DPC.12000	12.0	55	102	12
3DPC.12100	12.1	60	107	14
3DPC.12200	12.2	60	107	14
3DPC.12300	12.3	60	107	14
3DPC.12400	12.4	60	107	14
3DPC.12500	12.5	60	107	14
3DPC.12600	12.6	60	107	14
3DPC.12700	12.7	60	107	14
3DPC.12800	12.8	60	107	14
3DPC.12900	12.9	60	107	14
3DPC.13000	13.0	60	107	14
3DPC.13100	13.1	60	107	14
3DPC.13200	13.2	60	107	14
3DPC.13300	13.3	60	107	14
3DPC.13400	13.4	60	107	14
3DPC.13500	13.5	60	107	14
3DPC.13600	13.6	60	107	14
3DPC.13700	13.7	60	107	14
3DPC.13800	13.8	60	107	14
3DPC.13900	13.9	60	107	14
3DPC.14000	14.0	60	107	14
3DPC.14100	14.1	65	115	16
3DPC.14200	14.2	65	115	16
3DPC.14300	14.3	65	115	16
3DPC.14400	14.4	65	115	16
3DPC.14500	14.5	65	115	16
3DPC.14600	14.6	65	115	16
3DPC.14700	14.7	65	115	16
3DPC.14800	14.8	65	115	16
3DPC.14900	14.9	65	115	16
3DPC.15000	15.0	65	115	16
3DPC.15100	15.1	65	115	16
3DPC.15200	15.2	65	115	16
3DPC.15300	15.3	65	115	16
3DPC.15400	15.4	65	115	16
3DPC.15500	15.5	65	115	16
3DPC.15600	15.6	65	115	16
3DPC.15700	15.7	65	115	16
3DPC.15800	15.8	65	115	16
3DPC.15900	15.9	65	115	16
3DPC.16000	16.0	65	115	16



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
3DPC.16100	16.1	73	123	18
3DPC.16200	16.2	73	123	18
3DPC.16300	16.3	73	123	18
3DPC.16400	16.4	73	123	18
3DPC.16500	16.5	73	123	18
3DPC.16600	16.6	73	123	18
3DPC.16700	16.7	73	123	18
3DPC.16800	16.8	73	123	18
3DPC.16900	16.9	73	123	18
3DPC.17000	17.0	73	123	18
3DPC.17100	17.1	73	123	18
3DPC.17200	17.2	73	123	18
3DPC.17300	17.3	73	123	18
3DPC.17400	17.4	73	123	18
3DPC.17500	17.5	73	123	18
3DPC.17600	17.6	73	123	18
3DPC.17700	17.7	73	123	18
3DPC.17800	17.8	73	123	18
3DPC.17900	17.9	73	123	18
3DPC.18000	18.0	73	123	18
3DPC.18100	18.1	79	132	20
3DPC.18200	18.2	79	132	20
3DPC.18300	18.3	79	132	20
3DPC.18400	18.4	79	132	20
3DPC.18500	18.5	79	132	20
3DPC.18600	18.6	79	132	20
3DPC.18700	18.7	79	132	20
3DPC.18800	18.8	79	132	20
3DPC.18900	18.9	79	132	20
3DPC.19000	19.0	79	132	20
3DPC.19100	19.1	79	132	20
3DPC.19200	19.2	79	132	20
3DPC.19300	19.3	79	132	20
3DPC.19400	19.4	79	132	20
3DPC.19500	19.5	79	132	20
3DPC.19600	19.6	79	132	20
3DPC.19700	19.7	79	132	20
3DPC.19800	19.8	79	132	20
3DPC.19900	19.9	79	132	20
3DPC.20000	20.0	79	132	20





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPS.01000	1.0	10	55	3
5DPS.01100	1.1	12	55	3
5DPS.01200	1.2	12	55	3
5DPS.01300	1.3	12	55	3
5DPS.01400	1.4	12	55	3
5DPS.01500	1.5	12	55	3
5DPS.01600	1.6	16	55	3
5DPS.01700	1.7	16	55	3
5DPS.01800	1.8	16	55	3
5DPS.01900	1.9	16	55	3
5DPS.02000	2.0	21	57	3
5DPS.02100	2.1	21	57	3
5DPS.02200	2.2	21	57	3
5DPS.02300	2.3	21	57	3
5DPS.02400	2.4	21	57	3
5DPS.02500	2.5	21	57	3
5DPS.02600	2.6	21	57	3
5DPS.02700	2.7	21	57	3
5DPS.02800	2.8	21	57	3
5DPS.02900	2.9	21	57	3
5DPS.03000	3.0	28	66	6
5DPS.03100	3.1	28	66	6
5DPS.03200	3.2	28	66	6
5DPS.03300	3.3	28	66	6
5DPS.03400	3.4	28	66	6
5DPS.03500	3.5	28	66	6
5DPS.03600	3.6	28	66	6
5DPS.03700	3.7	28	66	6
5DPS.03800	3.8	36	74	6
5DPS.04000	4.0	36	74	6
5DPS.04100	4.1	36	74	6
5DPS.04200	4.2	36	74	6
5DPS.04300	4.3	36	74	6
5DPS.04400	4.4	36	74	6
5DPS.04500	4.5	36	74	6
5DPS.04600	4.6	36	74	6
5DPS.04700	4.7	36	74	6
5DPS.04800	4.8	44	82	6



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPS.04900	4.9	44	82	6
5DPS.05000	5.0	44	82	6
5DPS.05100	5.1	44	82	6
5DPS.05200	5.2	44	82	6
5DPS.05300	5.3	44	82	6
5DPS.05400	5.4	44	82	6
5DPS.05500	5.5	44	82	6
5DPS.05600	5.6	44	82	6
5DPS.05700	5.7	44	82	6
5DPS.05800	5.8	44	82	6
5DPS.06000	6.0	44	82	6
5DPS.06100	6.1	53	91	8
5DPS.06200	6.2	53	91	8
5DPS.06300	6.3	53	91	8
5DPS.06400	6.4	53	91	8
5DPS.06500	6.5	53	91	8
5DPS.06600	6.6	53	91	8
5DPS.06700	6.7	53	91	8
5DPS.06800	6.8	53	91	8
5DPS.06900	6.9	53	91	8
5DPS.07000	7.0	53	91	8
5DPS.07100	7.1	53	91	8
5DPS.07200	7.2	53	91	8
5DPS.07300	7.3	53	91	8
5DPS.07400	7.4	53	91	8
5DPS.07500	7.5	53	91	8
5DPS.07600	7.6	53	91	8
5DPS.07700	7.7	53	91	8
5DPS.07800	7.8	53	91	8
5DPS.07900	7.9	53	91	8
5DPS.08000	8.0	53	91	8
5DPS.08100	8.1	61	103	10
5DPS.08200	8.2	61	103	10
5DPS.08300	8.3	61	103	10
5DPS.08400	8.4	61	103	10
5DPS.08500	8.5	61	103	10
5DPS.08600	8.6	61	103	10
5DPS.08700	8.7	61	103	10
5DPS.08800	8.8	61	103	10
5DPS.08900	8.9	61	103	10
5DPS.09000	9.0	61	103	10
5DPS.09100	9.1	61	103	10
5DPS.09200	9.2	61	103	10
5DPS.09300	9.3	61	103	10
5DPS.09400	9.4	61	103	10
5DPS.09500	9.5	61	103	10
5DPS.09600	9.6	61	103	10



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPS.09700	9.7	61	103	10
5DPS.09800	9.8	61	103	10
5DPS.09900	9.9	61	103	10
5DPS.10000	10.0	61	103	10
5DPS.10100	10.1	71	118	12
5DPS.10200	10.2	71	118	12
5DPS.10300	10.3	71	118	12
5DPS.10400	10.4	71	118	12
5DPS.10500	10.5	71	118	12
5DPS.10600	10.6	71	118	12
5DPS.10700	10.7	71	118	12
5DPS.10800	10.8	71	118	12
5DPS.10900	10.9	71	118	12
5DPS.11000	11.0	71	118	12
5DPS.11100	11.1	71	118	12
5DPS.11200	11.2	71	118	12
5DPS.11300	11.3	71	118	12
5DPS.11400	11.4	71	118	12
5DPS.11500	11.5	71	118	12
5DPS.11600	11.6	71	118	12
5DPS.11700	11.7	71	118	12
5DPS.11800	11.8	71	118	12
5DPS.11900	11.9	71	118	12
5DPS.12000	12.0	71	118	12
5DPS.12100	12.1	77	124	14
5DPS.12200	12.2	77	124	14
5DPS.12300	12.3	77	124	14
5DPS.12400	12.4	77	124	14
5DPS.12500	12.5	77	124	14
5DPS.12600	12.6	77	124	14
5DPS.12700	12.7	77	124	14
5DPS.12800	12.8	77	124	14
5DPS.12900	12.9	77	124	14
5DPS.13000	13.0	77	124	14
5DPS.13100	13.1	77	124	14
5DPS.13200	13.2	77	124	14
5DPS.13300	13.3	77	124	14
5DPS.13400	13.4	77	124	14
5DPS.13500	13.5	77	124	14
5DPS.13600	13.6	77	124	14
5DPS.13700	13.7	77	124	14
5DPS.13800	13.8	77	124	14
5DPS.13900	13.9	77	124	14
5DPS.14000	14.0	77	124	14
5DPS.14100	14.1	83	133	16
5DPS.14200	14.2	83	133	16
5DPS.14300	14.3	83	133	16

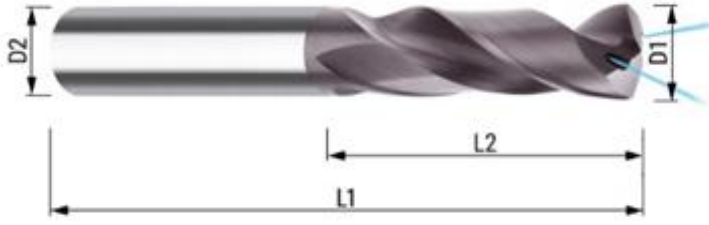


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPS.14400	14.4	83	133	16
5DPS.14500	14.5	83	133	16
5DPS.14600	14.6	83	133	16
5DPS.14700	14.7	83	133	16
5DPS.14800	14.8	83	133	16
5DPS.14900	14.9	83	133	16
5DPS.15000	15.0	83	133	16
5DPS.15100	15.1	83	133	16
5DPS.15200	15.2	83	133	16
5DPS.15300	15.3	83	133	16
5DPS.15400	15.4	83	133	16
5DPS.15500	15.5	83	133	16
5DPS.15600	15.6	83	133	16
5DPS.15700	15.7	83	133	16
5DPS.15800	15.8	83	133	16
5DPS.15900	15.9	83	133	16
5DPS.16000	16.0	83	133	16
5DPS.16100	16.1	93	143	18
5DPS.16200	16.2	93	143	18
5DPS.16300	16.3	93	143	18
5DPS.16400	16.4	93	143	18
5DPS.16500	16.5	93	143	18
5DPS.16600	16.6	93	143	18
5DPS.16700	16.7	93	143	18
5DPS.16800	16.8	93	143	18
5DPS.16900	16.9	93	143	18
5DPS.17000	17.0	93	143	18
5DPS.17100	17.1	93	143	18
5DPS.17200	17.2	93	143	18
5DPS.17300	17.3	93	143	18
5DPS.17400	17.4	93	143	18
5DPS.17500	17.5	93	143	18
5DPS.17600	17.6	93	143	18
5DPS.17700	17.7	93	143	18
5DPS.17800	17.8	93	143	18
5DPS.17900	17.9	93	143	18
5DPS.18000	18.0	93	143	18
5DPS.18100	18.1	101	153	20
5DPS.18200	18.2	101	153	20
5DPS.18300	18.3	101	153	20
5DPS.18400	18.4	101	153	20
5DPS.18500	18.5	101	153	20
5DPS.18600	18.6	101	153	20
5DPS.18700	18.7	101	153	20
5DPS.18800	18.8	101	153	20
5DPS.18900	18.9	101	153	20
5DPS.19000	19.0	101	153	20



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPS.19100	19.1	101	153	20
5DPS.19200	19.2	101	153	20
5DPS.19300	19.3	101	153	20
5DPS.19400	19.4	101	153	20
5DPS.19500	19.5	101	153	20
5DPS.19600	19.6	101	153	20
5DPS.19700	19.7	101	153	20
5DPS.19800	19.8	101	153	20
5DPS.19900	19.9	101	153	20
5DPS.20000	20.0	101	153	20





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPC.03000	3.0	28	66	6
5DPC.03100	3.1	28	66	6
5DPC.03200	3.2	28	66	6
5DPC.03300	3.3	28	66	6
5DPC.03400	3.4	28	66	6
5DPC.03500	3.5	28	66	6
5DPC.03600	3.6	28	66	6
5DPC.03700	3.7	28	66	6
5DPC.03800	3.8	36	74	6
5DPC.04000	4.0	36	74	6
5DPC.04100	4.1	36	74	6
5DPC.04200	4.2	36	74	6
5DPC.04300	4.3	36	74	6
5DPC.04400	4.4	36	74	6
5DPC.04500	4.5	36	74	6
5DPC.04600	4.6	36	74	6
5DPC.04700	4.7	36	74	6
5DPC.04800	4.8	44	82	6
5DPC.05000	5.0	44	82	6
5DPC.05100	5.1	44	82	6
5DPC.05200	5.2	44	82	6
5DPC.05300	5.3	44	82	6
5DPC.05400	5.4	44	82	6
5DPC.05500	5.5	44	82	6
5DPC.05600	5.6	44	82	6
5DPC.05700	5.7	44	82	6
5DPC.05800	5.8	44	82	6
5DPC.06000	6.0	44	82	6
5DPC.06100	6.1	53	91	8
5DPC.06200	6.2	53	91	8
5DPC.06300	6.3	53	91	8
5DPC.06400	6.4	53	91	8
5DPC.06500	6.5	53	91	8
5DPC.06600	6.6	53	91	8
5DPC.06700	6.7	53	91	8
5DPC.06800	6.8	53	91	8

Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPC.06900	6.9	53	91	8
5DPC.07000	7.0	53	91	8
5DPC.07100	7.1	53	91	8
5DPC.07200	7.2	53	91	8
5DPC.07300	7.3	53	91	8
5DPC.07400	7.4	53	91	8
5DPC.07500	7.5	53	91	8
5DPC.07600	7.6	53	91	8
5DPC.07700	7.7	53	91	8
5DPC.07800	7.8	53	91	8
5DPC.07900	7.9	53	91	8
5DPC.08000	8.0	53	91	8
5DPC.08100	8.1	61	103	10
5DPC.08200	8.2	61	103	10
5DPC.08300	8.3	61	103	10
5DPC.08400	8.4	61	103	10
5DPC.08500	8.5	61	103	10
5DPC.08600	8.6	61	103	10
5DPC.08700	8.7	61	103	10
5DPC.08800	8.8	61	103	10
5DPC.08900	8.9	61	103	10
5DPC.09000	9.0	61	103	10
5DPC.09100	9.1	61	103	10
5DPC.09200	9.2	61	103	10
5DPC.09300	9.3	61	103	10
5DPC.09400	9.4	61	103	10
5DPC.09500	9.5	61	103	10
5DPC.09600	9.6	61	103	10
5DPC.09700	9.7	61	103	10
5DPC.09800	9.8	61	103	10
5DPC.09900	9.9	61	103	10
5DPC.10000	10.0	61	103	10
5DPC.10100	10.1	71	118	12
5DPC.10200	10.2	71	118	12
5DPC.10300	10.3	71	118	12
5DPC.10400	10.4	71	118	12
5DPC.10500	10.5	71	118	12
5DPC.10600	10.6	71	118	12
5DPC.10700	10.7	71	118	12
5DPC.10800	10.8	71	118	12
5DPC.10900	10.9	71	118	12
5DPC.11000	11.0	71	118	12
5DPC.11100	11.1	71	118	12
5DPC.11200	11.2	71	118	12
5DPC.11300	11.3	71	118	12
5DPC.11400	11.4	71	118	12

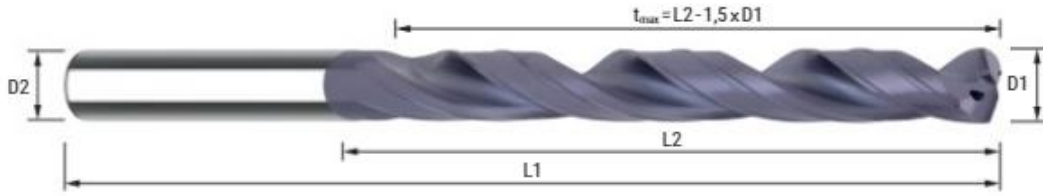


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPC.11500	11.5	71	118	12
5DPC.11600	11.6	71	118	12
5DPC.11700	11.7	71	118	12
5DPC.11800	11.8	71	118	12
5DPC.11900	11.9	71	118	12
5DPC.12000	12.0	71	118	12
5DPC.12100	12.1	77	124	14
5DPC.12200	12.2	77	124	14
5DPC.12300	12.3	77	124	14
5DPC.12400	12.4	77	124	14
5DPC.12500	12.5	77	124	14
5DPC.12600	12.6	77	124	14
5DPC.12700	12.7	77	124	14
5DPC.12800	12.8	77	124	14
5DPC.12900	12.9	77	124	14
5DPC.13000	13.0	77	124	14
5DPC.13100	13.1	77	124	14
5DPC.13200	13.2	77	124	14
5DPC.13300	13.3	77	124	14
5DPC.13400	13.4	77	124	14
5DPC.13500	13.5	77	124	14
5DPC.13600	13.6	77	124	14
5DPC.13700	13.7	77	124	14
5DPC.13800	13.8	77	124	14
5DPC.13900	13.9	77	124	14
5DPC.14000	14.0	77	124	14
5DPC.14100	14.1	83	133	16
5DPC.14200	14.2	83	133	16
5DPC.14300	14.3	83	133	16
5DPC.14400	14.4	83	133	16
5DPC.14500	14.5	83	133	16
5DPC.14600	14.6	83	133	16
5DPC.14700	14.7	83	133	16
5DPC.14800	14.8	83	133	16
5DPC.14900	14.9	83	133	16
5DPC.15000	15.0	83	133	16
5DPC.15100	15.1	83	133	16
5DPC.15200	15.2	83	133	16
5DPC.15300	15.3	83	133	16
5DPC.15400	15.4	83	133	16
5DPC.15500	15.5	83	133	16
5DPC.15600	15.6	83	133	16
5DPC.15700	15.7	83	133	16
5DPC.15800	15.8	83	133	16
5DPC.15900	15.9	83	133	16
5DPC.16000	16.0	83	133	16



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DPC.16100	16.1	93	143	18
5DPC.16200	16.2	93	143	18
5DPC.16300	16.3	93	143	18
5DPC.16400	16.4	93	143	18
5DPC.16500	16.5	93	143	18
5DPC.16600	16.6	93	143	18
5DPC.16700	16.7	93	143	18
5DPC.16800	16.8	93	143	18
5DPC.16900	16.9	93	143	18
5DPC.17000	17.0	93	143	18
5DPC.17100	17.1	93	143	18
5DPC.17200	17.2	93	143	18
5DPC.17300	17.3	93	143	18
5DPC.17400	17.4	93	143	18
5DPC.17500	17.5	93	143	18
5DPC.17600	17.6	93	143	18
5DPC.17700	17.7	93	143	18
5DPC.17800	17.8	93	143	18
5DPC.17900	17.9	93	143	18
5DPC.18000	18.0	93	143	18
5DPC.18100	18.1	101	153	20
5DPC.18200	18.2	101	153	20
5DPC.18300	18.3	101	153	20
5DPC.18400	18.4	101	153	20
5DPC.18500	18.5	101	153	20
5DPC.18600	18.6	101	153	20
5DPC.18700	18.7	101	153	20
5DPC.18800	18.8	101	153	20
5DPC.18900	18.9	101	153	20
5DPC.19000	19.0	101	153	20
5DPC.19100	19.1	101	153	20
5DPC.19200	19.2	101	153	20
5DPC.19300	19.3	101	153	20
5DPC.19400	19.4	101	153	20
5DPC.19500	19.5	101	153	20
5DPC.19600	19.6	101	153	20
5DPC.19700	19.7	101	153	20
5DPC.19800	19.8	101	153	20
5DPC.19900	19.9	101	153	20
5DPC.20000	20.0	101	153	20





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
8DPS.03000	3.0	34	71	6
8DPS.03100	3.1	34	71	6
8DPS.03200	3.2	34	71	6
8DPS.03300	3.3	34	71	6
8DPS.03400	3.4	34	71	6
8DPS.03500	3.5	34	71	6
8DPS.03600	3.6	34	71	6
8DPS.03700	3.7	34	71	6
8DPS.03800	3.8	43	86	6
8DPS.04000	4.0	43	86	6
8DPS.04100	4.1	43	86	6
8DPS.04200	4.2	43	86	6
8DPS.04300	4.3	43	86	6
8DPS.04400	4.4	43	86	6
8DPS.04500	4.5	43	86	6
8DPS.04600	4.6	43	86	6
8DPS.04700	4.7	43	86	6
8DPS.04800	4.8	57	95	6
8DPS.05000	5.0	57	95	6
8DPS.05100	5.1	57	95	6
8DPS.05200	5.2	57	95	6
8DPS.05300	5.3	57	95	6
8DPS.05400	5.4	57	95	6
8DPS.05500	5.5	57	95	6
8DPS.05600	5.6	57	95	6
8DPS.05700	5.7	57	95	6
8DPS.05800	5.8	57	95	6
8DPS.06000	6.0	57	95	6
8DPS.06100	6.1	76	114	8
8DPS.06200	6.2	76	114	8
8DPS.06300	6.3	76	114	8
8DPS.06400	6.4	76	114	8
8DPS.06500	6.5	76	114	8
8DPS.06600	6.6	76	114	8
8DPS.06700	6.7	76	114	8
8DPS.06800	6.8	76	114	8
8DPS.06900	6.9	76	114	8
8DPS.07000	7.0	76	114	8

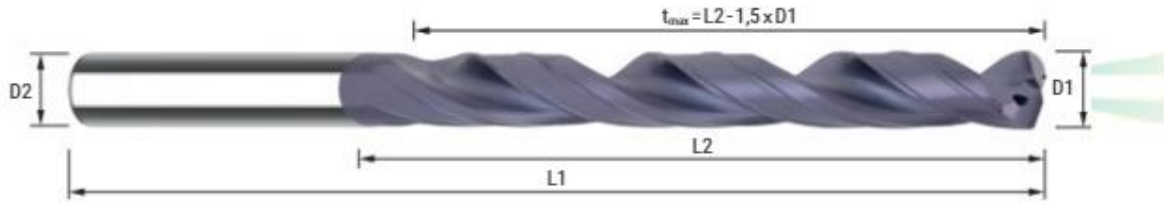


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
8DPS.07100	7.1	76	114	8
8DPS.07200	7.2	76	114	8
8DPS.07300	7.3	76	114	8
8DPS.07400	7.4	76	114	8
8DPS.07500	7.5	76	114	8
8DPS.07600	7.6	76	114	8
8DPS.07700	7.7	76	114	8
8DPS.07800	7.8	76	114	8
8DPS.07900	7.9	76	114	8
8DPS.08000	8.0	76	114	8
8DPS.08100	8.1	95	142	10
8DPS.08200	8.2	95	142	10
8DPS.08300	8.3	95	142	10
8DPS.08400	8.4	95	142	10
8DPS.08500	8.5	95	142	10
8DPS.08600	8.6	95	142	10
8DPS.08700	8.7	95	142	10
8DPS.08800	8.8	95	142	10
8DPS.08900	8.9	95	142	10
8DPS.09000	9.0	95	142	10
8DPS.09100	9.1	95	142	10
8DPS.09200	9.2	95	142	10
8DPS.09300	9.3	95	142	10
8DPS.09400	9.4	95	142	10
8DPS.09500	9.5	95	142	10
8DPS.09600	9.6	95	142	10
8DPS.09700	9.7	95	142	10
8DPS.09800	9.8	95	142	10
8DPS.09900	9.9	95	142	10
8DPS.10000	10.0	95	142	10
8DPS.10100	10.1	114	162	12
8DPS.10200	10.2	114	162	12
8DPS.10300	10.3	114	162	12
8DPS.10400	10.4	114	162	12
8DPS.10500	10.5	114	162	12
8DPS.10600	10.6	114	162	12
8DPS.10700	10.7	114	162	12
8DPS.10800	10.8	114	162	12
8DPS.10900	10.9	114	162	12
8DPS.11000	11.0	114	162	12
8DPS.11100	11.1	114	162	12
8DPS.11200	11.2	114	162	12
8DPS.11300	11.3	114	162	12
8DPS.11400	11.4	114	162	12
8DPS.11500	11.5	114	162	12
8DPS.11600	11.6	114	162	12
8DPS.11700	11.7	114	162	12



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
8DPS.11800	11.8	114	162	12
8DPS.11900	11.9	114	162	12
8DPS.12000	12.0	114	162	12
8DPS.12500	12.5	133	184	14
8DPS.12800	12.8	133	184	14
8DPS.13000	13.0	133	184	14
8DPS.13500	13.5	133	184	14
8DPS.14000	14.0	133	184	14
8DPS.14500	14.5	152	203	16
8DPS.15000	15.0	152	203	16
8DPS.15500	15.5	152	203	16
8DPS.16000	16.0	152	203	16
8DPS.16500	16.5	171	222	18
8DPS.17000	17.0	171	222	18
8DPS.17500	17.5	171	222	18
8DPS.18000	18.0	171	222	18
8DPS.18500	18.5	190	243	20
8DPS.19000	19.0	190	243	20
8DPS.19500	19.5	190	243	20
8DPS.20000	20.0	190	243	20





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
8DPC.03000	3.0	34	71	6
8DPC.03100	3.1	34	71	6
8DPC.03200	3.2	34	71	6
8DPC.03300	3.3	34	71	6
8DPC.03400	3.4	34	71	6
8DPC.03500	3.5	34	71	6
8DPC.03600	3.6	34	71	6
8DPC.03700	3.7	34	71	6
8DPC.03800	3.8	43	86	6
8DPC.04000	4.0	43	86	6
8DPC.04100	4.1	43	86	6
8DPC.04200	4.2	43	86	6
8DPC.04300	4.3	43	86	6
8DPC.04400	4.4	43	86	6
8DPC.04500	4.5	43	86	6
8DPC.04600	4.6	43	86	6
8DPC.04700	4.7	43	86	6
8DPC.04800	4.8	57	95	6
8DPC.05000	5.0	57	95	6
8DPC.05100	5.1	57	95	6
8DPC.05200	5.2	57	95	6
8DPC.05300	5.3	57	95	6
8DPC.05400	5.4	57	95	6
8DPC.05500	5.5	57	95	6
8DPC.05600	5.6	57	95	6
8DPC.05700	5.7	57	95	6
8DPC.05800	5.8	57	95	6
8DPC.06000	6.0	57	95	6
8DPC.06100	6.1	76	114	8
8DPC.06200	6.2	76	114	8
8DPC.06300	6.3	76	114	8
8DPC.06400	6.4	76	114	8
8DPC.06500	6.5	76	114	8
8DPC.06600	6.6	76	114	8
8DPC.06700	6.7	76	114	8
8DPC.06800	6.8	76	114	8
8DPC.06900	6.9	76	114	8
8DPC.07000	7.0	76	114	8

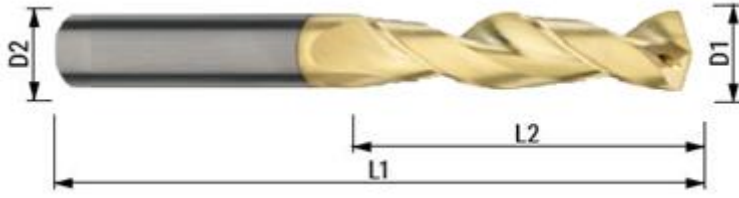


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
8DPC.07100	7.1	76	114	8
8DPC.07200	7.2	76	114	8
8DPC.07300	7.3	76	114	8
8DPC.07400	7.4	76	114	8
8DPC.07500	7.5	76	114	8
8DPC.07600	7.6	76	114	8
8DPC.07700	7.7	76	114	8
8DPC.07800	7.8	76	114	8
8DPC.07900	7.9	76	114	8
8DPC.08000	8.0	76	114	8
8DPC.08100	8.1	95	142	10
8DPC.08200	8.2	95	142	10
8DPC.08300	8.3	95	142	10
8DPC.08400	8.4	95	142	10
8DPC.08500	8.5	95	142	10
8DPC.08600	8.6	95	142	10
8DPC.08700	8.7	95	142	10
8DPC.08800	8.8	95	142	10
8DPC.08900	8.9	95	142	10
8DPC.09000	9.0	95	142	10
8DPC.09100	9.1	95	142	10
8DPC.09200	9.2	95	142	10
8DPC.09300	9.3	95	142	10
8DPC.09400	9.4	95	142	10
8DPC.09500	9.5	95	142	10
8DPC.09600	9.6	95	142	10
8DPC.09700	9.7	95	142	10
8DPC.09800	9.8	95	142	10
8DPC.09900	9.9	95	142	10
8DPC.10000	10.0	95	142	10
8DPC.10100	10.1	114	162	12
8DPC.10200	10.2	114	162	12
8DPC.10300	10.3	114	162	12
8DPC.10400	10.4	114	162	12
8DPC.10500	10.5	114	162	12
8DPC.10600	10.6	114	162	12
8DPC.10700	10.7	114	162	12
8DPC.10800	10.8	114	162	12
8DPC.10900	10.9	114	162	12
8DPC.11000	11.0	114	162	12
8DPC.11100	11.1	114	162	12
8DPC.11200	11.2	114	162	12
8DPC.11300	11.3	114	162	12
8DPC.11400	11.4	114	162	12
8DPC.11500	11.5	114	162	12
8DPC.11600	11.6	114	162	12
8DPC.11700	11.7	114	162	12



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
8DPC.11800	11.8	114	162	12
8DPC.11900	11.9	114	162	12
8DPC.12000	12.0	114	162	12
8DPC.12500	12.5	133	184	14
8DPC.12800	12.8	133	184	14
8DPC.13000	13.0	133	184	14
8DPC.13500	13.5	133	184	14
8DPC.14000	14.0	133	184	14
8DPC.14500	14.5	152	203	16
8DPC.15000	15.0	152	203	16
8DPC.15500	15.5	152	203	16
8DPC.16000	16.0	152	203	16
8DPC.16500	16.5	171	222	18
8DPC.17000	17.0	171	222	18
8DPC.17500	17.5	171	222	18
8DPC.18000	18.0	171	222	18
8DPC.18500	18.5	190	243	20
8DPC.19000	19.0	190	243	20
8DPC.19500	19.5	190	243	20
8DPC.20000	20.0	190	243	20





Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DAC.03000	3.0	28	66	6
5DAC.03100	3.1	28	66	6
5DAC.03200	3.2	28	66	6
5DAC.03300	3.3	28	66	6
5DAC.03400	3.4	28	66	6
5DAC.03500	3.5	28	66	6
5DAC.03600	3.6	28	66	6
5DAC.03700	3.7	28	66	6
5DAC.03800	3.8	36	74	6
5DAC.04000	4.0	36	74	6
5DAC.04100	4.1	36	74	6
5DAC.04200	4.2	36	74	6
5DAC.04300	4.3	36	74	6
5DAC.04400	4.4	36	74	6
5DAC.04500	4.5	36	74	6
5DAC.04600	4.6	36	74	6
5DAC.04700	4.7	36	74	6
5DAC.04800	4.8	44	82	6
5DAC.05000	5.0	44	82	6
5DAC.05100	5.1	44	82	6
5DAC.05200	5.2	44	82	6
5DAC.05300	5.3	44	82	6
5DAC.05400	5.4	44	82	6
5DAC.05500	5.5	44	82	6
5DAC.05600	5.6	44	82	6
5DAC.05700	5.7	44	82	6
5DAC.05800	5.8	44	82	6
5DAC.06000	6.0	44	82	6
5DAC.06100	6.1	53	91	8
5DAC.06200	6.2	53	91	8
5DAC.06300	6.3	53	91	8
5DAC.06400	6.4	53	91	8
5DAC.06500	6.5	53	91	8
5DAC.06600	6.6	53	91	8
5DAC.06700	6.7	53	91	8
5DAC.06800	6.8	53	91	8

Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DAC.06900	6.9	53	91	8
5DAC.07000	7.0	53	91	8
5DAC.07100	7.1	53	91	8
5DAC.07200	7.2	53	91	8
5DAC.07300	7.3	53	91	8
5DAC.07400	7.4	53	91	8
5DAC.07500	7.5	53	91	8
5DAC.07600	7.6	53	91	8
5DAC.07700	7.7	53	91	8
5DAC.07800	7.8	53	91	8
5DAC.07900	7.9	53	91	8
5DAC.08000	8.0	53	91	8
5DAC.08100	8.1	61	103	10
5DAC.08200	8.2	61	103	10
5DAC.08300	8.3	61	103	10
5DAC.08400	8.4	61	103	10
5DAC.08500	8.5	61	103	10
5DAC.08600	8.6	61	103	10
5DAC.08700	8.7	61	103	10
5DAC.08800	8.8	61	103	10
5DAC.08900	8.9	61	103	10
5DAC.09000	9.0	61	103	10
5DAC.09100	9.1	61	103	10
5DAC.09200	9.2	61	103	10
5DAC.09300	9.3	61	103	10
5DAC.09400	9.4	61	103	10
5DAC.09500	9.5	61	103	10
5DAC.09600	9.6	61	103	10
5DAC.09700	9.7	61	103	10
5DAC.09800	9.8	61	103	10
5DAC.09900	9.9	61	103	10
5DAC.10000	10.0	61	103	10
5DAC.10100	10.1	71	118	12
5DAC.10200	10.2	71	118	12
5DAC.10300	10.3	71	118	12
5DAC.10400	10.4	71	118	12
5DAC.10500	10.5	71	118	12
5DAC.10600	10.6	71	118	12
5DAC.10700	10.7	71	118	12
5DAC.10800	10.8	71	118	12
5DAC.10900	10.9	71	118	12
5DAC.11000	11.0	71	118	12
5DAC.11100	11.1	71	118	12
5DAC.11200	11.2	71	118	12
5DAC.11300	11.3	71	118	12
5DAC.11400	11.4	71	118	12

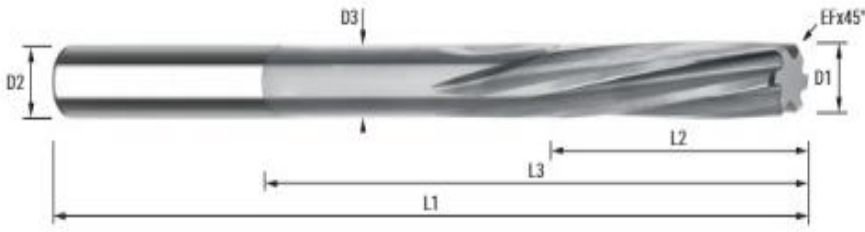


Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DAC.11500	11.5	71	118	12
5DAC.11600	11.6	71	118	12
5DAC.11700	11.7	71	118	12
5DAC.11800	11.8	71	118	12
5DAC.11900	11.9	71	118	12
5DAC.12000	12.0	71	118	12
5DAC.12100	12.1	77	124	14
5DAC.12200	12.2	77	124	14
5DAC.12300	12.3	77	124	14
5DAC.12400	12.4	77	124	14
5DAC.12500	12.5	77	124	14
5DAC.12600	12.6	77	124	14
5DAC.12700	12.7	77	124	14
5DAC.12800	12.8	77	124	14
5DAC.12900	12.9	77	124	14
5DAC.13000	13.0	77	124	14
5DAC.13100	13.1	77	124	14
5DAC.13200	13.2	77	124	14
5DAC.13300	13.3	77	124	14
5DAC.13400	13.4	77	124	14
5DAC.13500	13.5	77	124	14
5DAC.13600	13.6	77	124	14
5DAC.13700	13.7	77	124	14
5DAC.13800	13.8	77	124	14
5DAC.13900	13.9	77	124	14
5DAC.14000	14.0	77	124	14
5DAC.14100	14.1	83	133	16
5DAC.14200	14.2	83	133	16
5DAC.14300	14.3	83	133	16
5DAC.14400	14.4	83	133	16
5DAC.14500	14.5	83	133	16
5DAC.14600	14.6	83	133	16
5DAC.14700	14.7	83	133	16
5DAC.14800	14.8	83	133	16
5DAC.14900	14.9	83	133	16
5DAC.15000	15.0	83	133	16
5DAC.15100	15.1	83	133	16
5DAC.15200	15.2	83	133	16
5DAC.15300	15.3	83	133	16
5DAC.15400	15.4	83	133	16
5DAC.15500	15.5	83	133	16
5DAC.15600	15.6	83	133	16
5DAC.15700	15.7	83	133	16
5DAC.15800	15.8	83	133	16
5DAC.15900	15.9	83	133	16
5DAC.16000	16.0	83	133	16



Ürün Kodu (Article No)	D1 (h11)	L2	L1	D2 (h6)
5DAC.16100	16.1	93	143	18
5DAC.16200	16.2	93	143	18
5DAC.16300	16.3	93	143	18
5DAC.16400	16.4	93	143	18
5DAC.16500	16.5	93	143	18
5DAC.16600	16.6	93	143	18
5DAC.16700	16.7	93	143	18
5DAC.16800	16.8	93	143	18
5DAC.16900	16.9	93	143	18
5DAC.17000	17.0	93	143	18
5DAC.17100	17.1	93	143	18
5DAC.17200	17.2	93	143	18
5DAC.17300	17.3	93	143	18
5DAC.17400	17.4	93	143	18
5DAC.17500	17.5	93	143	18
5DAC.17600	17.6	93	143	18
5DAC.17700	17.7	93	143	18
5DAC.17800	17.8	93	143	18
5DAC.17900	17.9	93	143	18
5DAC.18000	18.0	93	143	18
5DAC.18100	18.1	101	153	20
5DAC.18200	18.2	101	153	20
5DAC.18300	18.3	101	153	20
5DAC.18400	18.4	101	153	20
5DAC.18500	18.5	101	153	20
5DAC.18600	18.6	101	153	20
5DAC.18700	18.7	101	153	20
5DAC.18800	18.8	101	153	20
5DAC.18900	18.9	101	153	20
5DAC.19000	19.0	101	153	20
5DAC.19100	19.1	101	153	20
5DAC.19200	19.2	101	153	20
5DAC.19300	19.3	101	153	20
5DAC.19400	19.4	101	153	20
5DAC.19500	19.5	101	153	20
5DAC.19600	19.6	101	153	20
5DAC.19700	19.7	101	153	20
5DAC.19800	19.8	101	153	20
5DAC.19900	19.9	101	153	20
5DAC.20000	20.0	101	153	20





Ürün Kodu (Article No)	D1 (H7)	D3	L2	L3	L1	D2 (h6)	Z (Flute)
RMPL.01000	1.00	0.9	10	25	50	3	4
RMPL.01500	1.50	1.3	10	25	50	3	4
RMPL.02000	2.00	1.8	10	25	60	3	4
RMPL.02500	2.50	2.3	18	30	60	3	4
RMPL.03000	3.00	2.8	18	30	60	3	4
RMPL.03500	3.50	3.3	18	40	80	6	4
RMPL.04000	4.00	3.8	18	40	80	6	4
RMPL.04500	4.50	4.3	26	60	100	6	4
RMPL.05000	5.00	4.8	26	60	100	6	6
RMPL.05500	5.50	5.3	26	60	100	6	6
RMPL.06000	6.00	5.7	26	60	100	6	6
RMPL.06500	6.50	6.2	36	75	118	8	6
RMPL.07000	7.00	6.7	36	75	118	8	6
RMPL.07500	7.50	7.2	36	75	118	8	6
RMPL.08000	8.00	7.7	36	75	118	8	6
RMPL.08500	8.50	8.2	36	90	135	10	6
RMPL.09000	9.00	8.7	36	90	135	10	6
RMPL.09500	9.50	9.2	36	90	135	10	6
RMPL.10000	10.00	9.7	36	90	135	10	6
RMPL.10500	10.50	10.2	45	105	150	12	6
RMPL.11000	11.00	10.7	45	105	150	12	6
RMPL.11500	11.50	11.2	45	105	150	12	6
RMPL.12000	12.00	11.7	45	105	150	12	6
RMPL.12500	12.50	12.2	50	115	160	14	6
RMPL.13000	13.00	12.7	50	115	160	14	6
RMPL.13500	13.50	13.2	50	115	160	14	6
RMPL.14000	14.00	13.7	50	115	160	14	6
RMPL.14500	14.50	14.2	55	115	165	16	6
RMPL.15000	15.00	14.7	55	115	165	16	6
RMPL.15500	15.50	15.2	55	115	165	16	6
RMPL.16000	16.00	15.7	55	115	165	16	8
RMPL.16500	16.50	16.2	55	120	180	18	8
RMPL.17000	17.00	16.7	55	120	180	18	8
RMPL.17500	17.50	17.2	55	120	180	18	8
RMPL.18000	18.00	17.7	55	120	180	18	8
RMPL.18500	18.50	18.2	60	145	195	20	8
RMPL.19000	19.00	18.7	60	145	195	20	8
RMPL.19500	19.50	19.2	60	145	195	20	8
RMPL.20000	20.00	19.7	60	145	195	20	8

TEKNİK BİLGİLER
TECHNICAL DATA SHEETS



MALZEME GRUPLARI TABLOSU (Material Groups Table)

İşlenecek Malzeme Çeşitleri (Range of application material)			Rm	HB	HRC	Malzeme Örnekleri (Material Example)	(DIN) Malzeme Kodları (Material Number)	
ÇELİK (STEEL)								
P	P1	Alaşimsız Çelikler (Non-Alloyed Steel)	Free Cutting Steel	750	220	-	115MnPb30, 10SPb20, 35S20, 115Mn37	1.718, 1.0722, 1.0726, 1.0736
	P2		C ≤ 0,55 %	650	190	-	S235JR, S275JR, C22, C45	1.0038, 1.0044, 1.0402, 1.0503
	P3		C > 0,55 %	650	190	-	C55, C60, C60E	1.0535, 1.0601, 1.1221
	P4		C ≤ 0,55 %	700	210	-	C25E, C53G, G18Mo5, 16Mo5	1.1158, 1.1213, 1.5422, 1.5423
	P5		C > 0,55 %	1000	300	32	C55, C55E, C60E	1.0535, 1.1203, 1.1221
	P6	Düşük Alaşımli Çelikler (Low-Alloyed Steel)		600	175	-	36Mn5, 107CrV3, 100Cr6, 20NiCrMo2-2, 41Cr4	1.1167, 1.2210, 1.3505, 1.6523, 1.7035
	P7			1000	300	32	34Cr4, 25CrMo4, Weldox 700, Weldox 900	1.7033, 1.7218
	P8			1200	380	41	36NiCr6, 34CrNiMo6, 55Cr3, 51CrV4	1.5710, 1.6582, 1.7176, 1.8159
	P9			1400	420	45	55Si7, 60SiCr7, 55NiCrMoV6, 40CrMoV13-9	1.0904, 1.0961, 1.2713, 1.8523
	P10	Yüksek Alaşımli Çelikler / Takım Çelikleri (High-Alloyed Steel / Tool Steel)		700	210	-	X210Cr12, X100CrMoV5-1, H56-5-2-5, H56-5-2	1.2080, 1.2363, 1.3243, 1.3343
	P11			1000	300	32	H56-5-2-5, H518-1-2-5, HS 10-2-5-8, HS 6-5-3-8	1.3243, 1.3255, 1.3253, 1.3294
	P12			1400	420	45	X30WCrV9-3	12.581
	P13	Paslanmaz Çelikler (Stainless Steel)	Ferritic/Martensitic	700	210	-	X6Cr13, X12Cr13, X14CrMoS17, X6CrMo17-1	1.4000, 1.4006, 1.4104, 1.4113
	P14		Martensitic	1100	330	34	X12Cr13, GX20Cr14, X19CrNi17-2, X45CrSi9-3-1	1.4006, 1.4027, 1.4057, 1.4718
PASLANMAZ ÇELİK (Stainless Steel)								
M	M1	Paslanmaz Çelikler (Stainless Steel)	Austenitic	700	210	-	X5CrNi18-10, X5CrNiMo17-12-2, X2CrNiMo18-14-3, X12NiCrSi36-16	1.4301, 1.4401, 1.4435, 1.4864
	M2		Austenitic	1000	300	32	X9CrNi18-8, X53CrMnNiN21-9	1.4310, 1.4871
	M3		Dublex	800	240	23	X2CrNiN23-4, X2CrNiMoN17-13-3, X2CrNiMoN22-5-3, X2CrNiMoCuN25-6-3	1.4362, 1.4429, 1.4462, 1.4507
DÖKÜM DEMİR (Cast Iron)								
K	K1	Gri Dökme Demir (Grey Cast Iron GJL)		400	120	-	EN-GJL-100, EN-GJL-200, EN-GJL-300, EN-GJL-400	0.6010, 0.6020, 0.6030, 0.6040
	K2	Grafitli Dökme Demir (Cast Iron with graphite (GJV) CGI)		550	160	-	EN-GJV-300, EN-GJV-400, EN-GJV-500, EN-GJV-550	-
	K3	Dövülebilir Dökme Demir (Malleable Cast Iron (GJMw/GJMB))		500	150	-	EN-GJMw-300-26, EN-GJMB-350-10, EN-GJMB-450-6	0.8035, 0.8135, 0.8145
	K4	Dövülebilir Dökme Demir (Malleable Cast Iron (GJMB))		800	240	-	EN-GJMB-550-4, EN-GJMB-700-2, EN-GJMB-800-1	0.8155, 0.8170, 0.8180
	K5	Sfero Dökme Demir (Cast Iron with Spheroidal Graphite (GJS))		700	210	-	EN-GJS-400-15, EN-GJS-500-7, EN-GJS-700-2	0.7040, 0.7050, 0.7070
	K6	Sfero Dökme Demir (Cast Iron with Spher. Graph. (GJS) ADI)		1400	420	45	EN-GJS-800-8, EN-GJS-1200-2, EN-GJS-1400-1	-
DEMİR DIŞI METALLER (Non-Ferrous Metals)								
N	N1	Dövme Alüminyum Alaşımları (Aluminium Wrought Alloys)		200	-	-	ENAW-AI99.5, ENAW-AISi1MgMn (PA4), ENAW-AIMg0.7Si (PA38), ENAW-AIMg3 (PA11)	3.0255, 3.2315, 3.3206, 3.3535
	N2			500	152	-	ENAW-AICu6BiPb, ENAW-AICu4MgSi(A) (PA6), ENAW-AIZn5.5MgCu (PA9), ENAW-AIMg4.5Mn0.7 (PA13)	3.1655, 3.1325, 3.4365, 3.3547
	N3	Dökme Alüminyum Alaşımları (Cast Aluminium Alloys)	Si ≤ 12 %	250	75	-	ENAC-AISi12, ENAC-AISi12(Fe), ENAC-AISi12(Cu), ENAC-AIMg	3.2581, 3.2582, 3.2583, 3.3561
	N4		Si ≤ 12 %	300	90	-	ENAC-AICu4MgTi, ENAC-AISi7Mg0.3, ENAC-AISi9Mg, ENAC-AISi10Mg(a)	3.1371, 3.2371, 3.2373, 3.2381
	N5		Si > 12 %	450	130	-	ENAC-AISi17Cu4Mg	-
	N6	Magnezyum Alaşımları (Magnesium Alloys)		250	70	-	EN-MAMgMn1, EN-MCMgRE3Zn2Zr, EN-MCMgRE2Ag2Zr, EN-MCMgAl4Si	3.5101, 3.5103, 3.3506, 3.5470
	N7	Bakır ve Bakır Alaşımları (Copper and Copper Alloys)	Pure, Non-alloyed	350	100	-	Cu-OF, Cu-DHP, CuZn35Mn2Al1Fe1-C, CuAl10Ni5Fe4	2.0040, 2.0090, 2.0592, 2.0966
	N8		Cu-Alloys, Long-Chipping	600	180	-	CuZn37 (M63), CuAl10Ni5Fe4, CuSn8P	2.0321, 2.0966, 2.1030
	N9		Cu-Alloys, Short-Chipping	400	120	-	CuZn40Pb2 (M58)(MO58), CuSn7Zn4Pb7-C, CuSn5Zn5Pb5-C, CuSn10Pb10-C	2.0402, 2.1090, 2.1096, 2.1176
	N10		High-Strength	1000	300	32	AMPKO 8, AMPKO 21, AMPKO M4	-
SÜPER ALAŞIMLAR VE TİTANYUM (Super Alloys ar)								
S	S1	Isıya Dayanıklı Alaşımlar (Heath-Resistant Alloys)	Fe-based	675	200	-	Incoloy 909, Multimet 155, X10NiCrAlTi3220 (Incoly 800), X40CoCrNi2020	1.4876, 1.4977
	S2			950	280	29	Incoloy A-286, Unitemp 212	-
	S3		Ni/Co based	850	250	25	Incoloy 864, Nimocast 713	-
	S4			1200	350	38	Inconel 718, Nimonic 80A	-
	S5		1100	320	34	GMR 235*, Jessop G81*	-	
	S6	Titanyum Alaşımları (Titanium Alloy)	Pure Titanium	675	200	-	Ti 99.8, TiCu2	3.7025, 3.7124
	S7		α and β Alloys	1250	375	40	Ti-6Al-4V, Ti-6Al-2Mo-2Cr, Ti-6Al-6Mo-4Zr-2Sn	37165
	S8		β Alloys	1400	410	44	Ti-10V-2Fe-3Al, Ti-13V-11Cr-3Al	-
SERTLEŞTİRİLMİŞ ÇELİKLER (Hard Materials)								
H	H1	Sertleştirilmiş Çelik (Hardened Steel)				50	Weldox 1100, Weldox 1300, Hardox 500	-
	H2					55	Hardox 550, Hardox 600, Armox 600 T	-
	H3					60	Hardox Extreme	-
	H4	Sertleştirilmiş ve Temperlenmiş Dökme Demir (Hardened and Tempered Cast Iron)				55	GX260NiCr42, GX330NiCr42, GX300CrMoNi15-2-1	0.9620, 0.9625, 0.9640

FREZELER İÇİN KESME PARAMETLERİ TABLOSU (Cutting Parameters Table for End Mills)

İşlenecek Malzeme Çeşitleri (Range of application material)	Rm	HB	HRC	Kesme Hızı Vc (m/dk) (Cutting Speed m/min)	İlerleme - fz (mm/dev) (Feed per Tooth mm/rev)									
					Ø2 - Ø3	Ø4 - Ø5	Ø6 - Ø8	Ø10 - Ø12	Ø14 - Ø16	Ø18 - Ø20	Ø22 - Ø25			
ÇELİK (STEEL)														
P	P1	Alaşımsız Çelikler (Non-Alloyed Steel)	Free Cutting Steel	750	220	-	200	0,012	0,016	0,040	0,070	0,080	0,085	0,100
	P2		C ≤ 0,55 %	650	190	-	180	0,020	0,020	0,045	0,075	0,085	0,090	0,100
	P3		C > 0,55 %	650	190	-	180	0,020	0,020	0,045	0,075	0,085	0,090	0,100
	P4		C ≤ 0,55 %	700	210	-	175	0,015	0,018	0,040	0,070	0,080	0,085	0,100
	P5		C > 0,55 %	1000	300	32	160	0,010	0,012	0,030	0,065	0,070	0,080	0,090
	P6	Düşük Alaşımlı Çelikler (Low-Alloyed Steel)		600	175	-	145	0,020	0,020	0,045	0,075	0,085	0,090	0,100
	P7			1000	300	32	130	0,010	0,012	0,030	0,065	0,075	0,075	0,090
	P8			1200	380	41	120	0,010	0,010	0,025	0,060	0,070	0,075	0,085
	P9			1400	420	45	100	0,010	0,010	0,025	0,055	0,065	0,070	0,080
	P10	Yüksek Alaşımlı Çelikler / Takım Çelikleri (High-Alloyed Steel / Tool Steel)		700	210	-	140	0,020	0,016	0,040	0,065	0,080	0,090	0,090
	P11			1000	300	32	110	0,010	0,012	0,030	0,060	0,075	0,080	0,080
	P12			1400	420	45	90	0,010	0,010	0,025	0,055	0,065	0,075	0,070
	P13	Paslanmaz Çelikler (Stainless Steel)	Ferritic/Martensitic	700	210	-	135	0,020	0,015	0,040	0,065	0,070	0,080	0,080
	P14		Martensitic	1100	330	34	110	0,010	0,012	0,025	0,055	0,065	0,070	0,070
PASLANMAZ ÇELİK (Stainless Steel)														
M	M1	Paslanmaz Çelikler (Stainless Steel)	Austenitic	700	210	-	65	0,0150	0,0250	0,0290	0,0560	0,0730	0,0950	0,1250
	M2		Austenitic	1000	300	32	55	0,0100	0,0180	0,0200	0,0480	0,0600	0,0800	0,9000
	M3		Dublex	800	240	23	60	0,0120	0,0230	0,0260	0,0500	0,0690	0,0890	1,1100
DÖKÜM DEMİR (Cast Iron)														
K	K1	Gri Dökme Demir (Grey Cast Iron GJL)		400	120	-	160	0,025	0,030	0,035	0,050	0,070	0,080	0,095
	K2	Grafitli Dökme Demir (Cast Iron with graphite (GJV) CGI)		550	160	-	110	0,020	0,024	0,030	0,042	0,063	0,074	0,085
	K3	Dövülebilir Dökme Demir (Malleable Cast Iron (GJMW/GJMB))		500	150	-	90	0,020	0,024	0,030	0,042	0,063	0,074	0,085
	K4	Dövülebilir Dökme Demir (Malleable Cast Iron (GJMB))		800	240	-	80	0,014	0,019	0,025	0,037	0,057	0,065	0,075
	K5	Sfero Dökme Demir (Cast Iron with Spheroidal Graphite (GJS))		700	210	-	110	0,016	0,021	0,027	0,040	0,060	0,068	0,080
	K6	Sfero Dökme Demir (Cast Iron with Spher. Graph. (GJS) ADI)		1400	420	45	90	0,010	0,016	0,020	0,030	0,050	0,058	0,065
DEMİR DIŞI METALLER (Non-Ferrous Metals)														
N	N1	Dövme Alüminyum Alaşımları (Aluminium Wrought Alloys)		200	-	-	800	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N2			500	152	-	400	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N3	Dökme Alüminyum Alaşımları (Cast Aluminium Alloys)	Si ≤ 12 %	250	75	-	280	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N4		Si ≤ 12 %	300	90	-	250	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N5		Si > 12 %	450	130	-	200	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N6	Magnezyum Alaşımları (Magnesium Alloys)		250	70	-	350	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N7	Bakır ve Bakır Alaşımları (Copper and Copper Alloys)	Pure, Non-alloyed	350	100	-	250	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N8		Cu-Alloys, Long-Chip	600	180	-	250	0,010	0,026	0,037	0,052	0,061	0,080	0,100
	N9		Cu-Alloys, Short-Chip	400	120	-	280	0,010	0,023	0,030	0,040	0,053	0,074	0,085
	N10		High-Strength	1000	300	32	110	0,008	0,018	0,023	0,030	0,042	0,063	0,072
SÜPER ALAŞIMLAR VE TİTANYUM (Super Alloys and Titanium)														
S	S1	Isıya Dayanımlı Alaşımlar (Heath-Resistant Alloys)	Fe-based	675	200	-	40	0,007	0,016	0,020	0,032	0,050	0,067	0,083
	S2			950	280	29	30	0,006	0,013	0,018	0,027	0,044	0,060	0,070
	S3		Ni/Co based	850	250	25	35	0,006	0,013	0,018	0,027	0,044	0,060	0,070
	S4			1200	350	38	30	0,006	0,013	0,018	0,027	0,044	0,060	0,070
	S5	Titanyum Alaşımları (Titanium Alloys)	Pure Titanium	675	200	-	40	0,007	0,016	0,020	0,032	0,050	0,067	0,083
	S6			α and β Alloys	1250	375	40	25	0,004	0,008	0,012	0,019	0,032	0,051
	S7		β Alloys	1400	410	44	25	0,004	0,008	0,012	0,019	0,032	0,051	0,060
	S8													
SERTLEŞTİRİLMİŞ ÇELİKLER (Hard Materials)														
H	H1	Sertleştirilmiş Çelik (Hardened Steel)				50	75	0,007	0,009	0,017	0,022	0,028	0,031	0,036
	H2					55	65	0,007	0,009	0,017	0,022	0,028	0,031	0,036
	H3					60	55	0,007	0,009	0,015	0,019	0,023	0,027	0,030
	H4	Sertleştirilmiş ve Temperlenmiş Dökme Demir (Hardened and Tempered Cast Iron)				55	65	0,007	0,009	0,017	0,022	0,028	0,031	0,036

İLERLEME DÜZELTME KATSAYI TABLOSU (Feed Correction Factor for End Mills)

$ae = 1 \times d_1$ fz Roughing = 1,00 fz Finishing = 0,90		$ae = 0,75 \times d_1$ fz Roughing = 1,40 fz Finishing = 1,30		$ae = 0,50 \times d_1$ fz Roughing = 1,20 fz Finishing = 1,10		$ae = 0,25 \times d_1$ fz Roughing = 1,40 fz Finishing = 1,30		$ae = 0,10 \times d_1$ fz Roughing = 1,70 fz Finishing = 1,50	
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MATKAPLAR İÇİN KESME HIZLARI TABLOSU (Cutting Speeds Table for Drills)

İşlenecek Malzeme Çeşitleri (Range of application material)				Vc - Kesme Hızı (Cutting Speed) (m/dk) İlerleme Grupları (Feed Groups) (a-b-c-...-h)					
				Rm	HB	HRC	3D..S (3D-Standard)	3D..C (3D-Coolant)	5D..S (5D-Standard)
ÇELİK (STEEL)									
P	P1	Alaşımsız Çelikler (Non-Alloyed Steel)	750	220	-	70 c	90 c	60 c	80 c
	P2		650	190	-	70 c	90 c	60 c	80 c
	P3		650	190	-	70 c	90 c	60 c	80 c
	P4		700	210	-	50 b	70 b	45 b	60 b
	P5		1000	300	32	50 b	70 b	45 b	60 b
	P6	Düşük Alaşımlı Çelikler (Low-Alloyed Steel)	600	175	-	50 b	70 b	45 b	60 b
	P7		1000	300	32	40 b	50 b	35 b	40 b
	P8		1200	380	41	40 b	50 b	35 b	40 b
	P9		1400	420	45	30 b	40 b	30 b	35 b
	P10	Yüksek Alaşımlı Çelikler / Takım Çelikleri (High-Alloyed Steel / Tool Steel)	700	210	-	50 b	70 b	45 b	60 b
	P11		1000	300	32	40 b	50 b	35 b	40 b
	P12		1400	420	45	30 b	40 b	30 b	35 b
	P13	Paslanmaz Çelikler (Stainless Steel)	700	210	-	50 b	60 b	45 b	55 b
	P14		1100	330	34	50 b	60 b	45 b	55 b
PASLANMAZ ÇELİK (Stainless Steel)									
M	M1	Paslanmaz Çelikler (Stainless Steel)	700	210	-	30 b	40 b	30 b	35 b
	M2		1000	300	32	-	40 b	-	30 b
	M3		800	240	23	30 b	40 b	30 b	35 b
DÖKÜM DEMİR (Cast Iron)									
K	K1	Gri Dökme Demir (Grey Cast Iron GJL)	400	120	-	100 d	120 d	90 d	110 d
	K2	Grafitli Dökme Demir (Cast Iron with graphite (GJV) CGI)	550	160	-	-	75 d	-	65 d
	K3	Dövülebilir Dökme Demir (Malleable Cast Iron (GJMW/GJM))	500	150	-	80 d	100 d	70 d	90 d
	K4	Dövülebilir Dökme Demir (Malleable Cast Iron (GJMB))	800	240	-	80 d	100 d	70 d	90 d
	K5	Sfero Dökme Demir (Cast Iron with Spheroidal Graphite (GJS) ADI)	700	210	-	65 d	80 d	60 d	70 d
	K6	Sfero Dökme Demir (Cast Iron with Spher. Graph. (GJS) ADI)	1400	420	45	65 d	80 d	60 d	70 d
DEMİR DIŞI METALLER (Non-Ferrous Metals)									
N	N1	Dövme Alüminyum Alaşımları (Aluminium Wrought Alloys)	200	-	-	200 e	250 e	180 e	220 e
	N2		500	152	-	200 e	250 e	180 e	220 e
	N3	Dökme Alüminyum Alaşımları (Cast Aluminium Alloys)	250	75	-	200 e	250 e	180 e	220 e
	N4		300	90	-	200 e	250 e	180 e	220 e
	N5		450	130	-	160 e	200 e	150 e	180 e
	N6	Magnezyum Alaşımları (Magnesium Alloys)	250	70	-	-	180 e	-	160 e
	N7	Bakır ve Bakır Alaşımları (Copper and Copper Alloys)	350	100	-	100 c	120 c	90 c	110 c
	N8		600	180	-	120 c	150 c	110 c	135 c
	N9		400	120	-	120 c	150 c	110 c	135 c
	N10		1000	300	32	-	135 c	-	110 c
SÜPER ALAŞIMLAR VE TİTANYUM (Super Alloys and Titanium)									
S	S1	Isıya Dayanıklı Alaşımlar (Heat-Resistant Alloys)	675	200	-	20 a	25 a	18 a	22 a
	S2		950	280	29	20 a	25 a	18 a	22 a
	S3		850	250	25	-	20 a	-	18 a
	S4		1200	350	38	-	20 a	-	18 a
	S5		1100	320	34	-	20 a	-	18 a
	S6	Titanyum Alaşımları (Titanium Alloys)	675	200	-	40 b	50 b	45 b	45 b
	S7		1250	375	40	30 b	40 b	35 b	35 b
	S8		1400	410	44	30 b	40 b	35 b	35 b
SERTLEŞTİRİLMİŞ ÇELİKLER (Hard Materials)									
H	H1	Sertleştirilmiş Çelik (Hardened Steel)			50	-	-	-	-
	H2				55	-	-	-	-
	H3				60	-	-	-	-
	H4	Sertleştirilmiş ve Temperlenmiş Dökme Demir (Hardened and Tempered Cast Iron)			55	-	-	-	-

MATKAPLAR İÇİN ÖNERİLEN İLERLEME TABLOSU (Table of Recommended Feed for Drills)

Grup (Group)	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø20
a	0,015	0,030	0,038	0,047	0,053	0,060	0,075	0,090	0,100	0,120	0,127	0,160
b	0,020	0,050	0,070	0,085	0,100	0,120	0,150	0,180	0,200	0,230	0,250	0,270
c	0,023	0,080	0,100	0,130	0,150	0,180	0,250	0,270	0,280	0,300	0,330	0,370
d	0,030	0,100	0,160	0,180	0,220	0,240	0,300	0,370	0,400	0,450	0,480	0,500
e	0,035	0,120	0,200	0,250	0,270	0,300	0,350	0,450	0,470	0,530	0,530	0,550
f	0,050	0,150	0,220	0,250	0,320	0,400	0,490	0,620	0,650	0,850	0,850	0,900
g	0,070	0,160	0,250	0,270	0,360	0,470	0,620	0,830	0,900	1,100	1,100	1,200
h	0,090	0,200	0,270	0,300	0,400	0,520	0,750	1,000	1,100	1,300	1,300	1,350

NOT (NOTE) : İlerleme grup sembolleri matkap kesme hızı seçim tablosunda önerilen kesme hızı ile verilir.

(The symbols of feed groups are given in the drills cutting speed selection table by the recommended cutting speed.)

MATKAPLAR İÇİN KESME HIZLARI TABLOSU (Cutting Speeds Table for Drills)

İşlenecek Malzeme Çeşitleri (Range of application material)				Vc - Kesme Hızı (Cutting Speed) (m/dk)					
				İlerleme Grupları (Feed Groups) (a-b-c-...-h)					
Rm (N/mm ²)	HB	HRC	3D..S (3D-Standard)	3D..C (3D-Coolant)	5D..S (5D-Standard)	5D..C (5D-Coolant)			
ÇELİK (STEEL)									
P	P1	Alaşımsız Çelikler (Non-Alloyed Steel)	750	220	-	70 c	90 c	60 c	80 c
	P2		650	190	-	70 c	90 c	60 c	80 c
	P3		650	190	-	70 c	90 c	60 c	80 c
	P4		700	210	-	50 b	50 b	35 b	40 b
	P5	1000	300	32	50 b	50 b	35 b	40 b	
	P6	Düşük Alaşımlı Çelikler (Low-Alloyed Steel)	600	175	-	50 b	50 b	35 b	40 b
	P7		1000	300	32	40 b	50 b	35 b	40 b
	P8		1200	380	41	40 b	50 b	35 b	40 b
	P9		1400	420	45	30 b	40 b	30 b	35 b
	P10	Yüksek Alaşımlı Çelikler / Takım Çelikleri (High-Alloyed Steel / Tool Steel)	700	210	-	50 b	70 b	45 b	60 b
	P11		1000	300	32	40 b	50 b	35 b	40 b
	P12		1400	420	45	30 b	40 b	30 b	35 b
	P13	Paslanmaz Çelikler (Stainless Steel)	700	210	-	50 b	60 b	45 b	55 b
	P14		1100	330	34	50 b	60 b	45 b	55 b

Vc = 70 m/dk. (Kesme Hızı)
fz = Group - C (İlerleme)

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