

MS SERİSİ MATKAP UCU

GENEL KULLANIM AMAÇLI



MS MATKAP UCU

YEKPARE KARBÜR MATKAP UCU SERİSİ



Kaliteli takımlama için seçenek ve performans oranına göre süper fiyat.
Modern metal kesme dünyasının ihtiyaçları için güvenilir karbür ve kaplama teknolojisinin çok yönlü bir kombinasyonu.

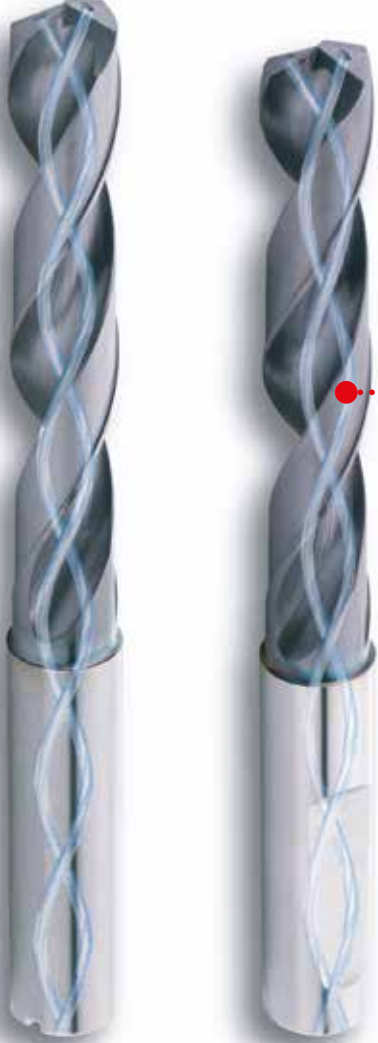
Onlarca yıl süren üretim bilgisi ile kesme problemlerine çözümlerimiz, kapsamlı ve daha uygun maliyetli takımlar sunmamıza olanak sağlamaktadır.



Titizlik isteyen DIN 6537' standartlarına göre üretilen bu MS matkap ucu çeşitleri ile kalite ve güvenilirliğe olan bağlılığımız sürüyor.

ÖZELLİKLER

YEKPARE KARBÜR MATKAP UCU SERİSİ

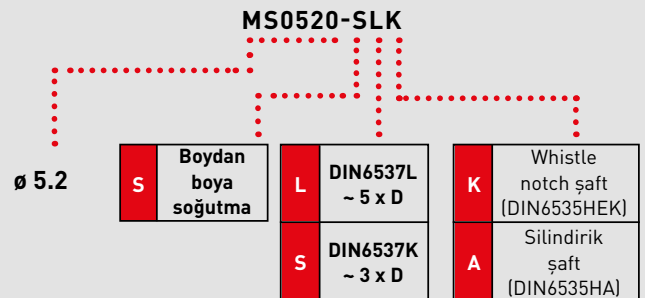


- İçten soğutma sıvı kanalı
- 3 x D ve 5 x D delme derinliği
- Sağlam kesme kenarı geometrisi
- Geniş aralıkta malzemeler için
- Whistle notch / silindirik şaft tipleri
- Süper mikro parçacıklı sinterlenmiş karbür
- Uzun takım ömrü için PVD kaplama



SİPARİŞ KOD TANIMI

MS○○○○○-S○○○ (İçten soğutma)

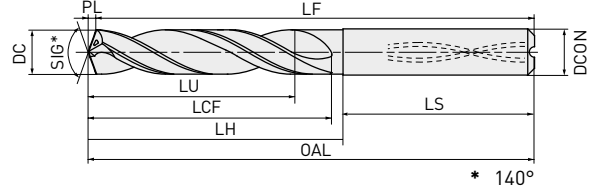


MS MATKAP UCU



D Toleransı	D≤3.0	3.0<D≤6.0	6.0<D≤10.0	10.0<D≤14.0
m7	+0.016	+0.016	+0.021	+0.025
	+0.004	+0.004	+0.006	+0.007

MS○○○○○-S○○○ (İçten soğutma sıvısı)



DC	Sipariş Numarası	L x DC	Soğutma (İçten/Dıştan)	Şaft tipi	OAL	LU	LCF	LH	LF	PL	LS	DCON
3.0	MS0300-SSA	-3	İçten	Silindirik	62	15	20	25	61	0.5	36	6
	MS0300-SSK	-3	İçten	Whistle notch	62	15	20	25	61	0.5	36	6
	MS0300-SLA	-5	İçten	Silindirik	66	23	28	29	65	0.5	36	6
	MS0300-SLK	-5	İçten	Whistle notch	66	23	28	29	65	0.5	36	6
3.1	MS0310-SSA	-3	İçten	Silindirik	62	14.9	20	25	61	0.6	36	6
	MS0310-SSK	-3	İçten	Whistle notch	62	14.9	20	25	61	0.6	36	6
	MS0310-SLA	-5	İçten	Silindirik	66	22.9	28	29	65	0.6	36	6
	MS0310-SLK	-5	İçten	Whistle notch	66	22.9	28	29	65	0.6	36	6
3.3	MS0330-SSA	-3	İçten	Silindirik	62	14.7	20	25	61	0.6	36	6
	MS0330-SSK	-3	İçten	Whistle notch	62	14.7	20	25	61	0.6	36	6
	MS0330-SLA	-5	İçten	Silindirik	66	22.7	28	29	65	0.6	36	6
	MS0330-SLK	-5	İçten	Whistle notch	66	22.7	28	29	65	0.6	36	6
3.4	MS0340-SSA	-3	İçten	Silindirik	62	14.5	20	25	61	0.6	36	6
	MS0340-SSK	-3	İçten	Whistle notch	62	14.5	20	25	61	0.6	36	6
	MS0340-SLA	-5	İçten	Silindirik	66	22.5	28	29	65	0.6	36	6
	MS0340-SLK	-5	İçten	Whistle notch	66	22.5	28	29	65	0.6	36	6
3.5	MS0350-SSA	-3	İçten	Silindirik	62	14.4	20	25	61	0.6	36	6
	MS0350-SSK	-3	İçten	Whistle notch	62	14.4	20	25	61	0.6	36	6
	MS0350-SLA	-5	İçten	Silindirik	66	22.4	28	29	65	0.6	36	6
	MS0350-SLK	-5	İçten	Whistle notch	66	22.4	28	29	65	0.6	36	6
3.7	MS0370-SSA	-3	İçten	Silindirik	62	14.1	20	25	61	0.7	36	6
	MS0370-SSK	-3	İçten	Whistle notch	62	14.1	20	25	61	0.7	36	6
	MS0370-SLA	-5	İçten	Silindirik	66	22.1	28	29	65	0.7	36	6
	MS0370-SLK	-5	İçten	Whistle notch	66	22.1	28	29	65	0.7	36	6
3.8	MS0380-SSA	-3	İçten	Silindirik	66	18	24	29	65	0.7	36	6
	MS0380-SSK	-3	İçten	Whistle notch	66	18	24	29	65	0.7	36	6
	MS0380-SLA	-5	İçten	Silindirik	74	30	36	37	73	0.7	36	6
	MS0380-SLK	-5	İçten	Whistle notch	74	30	36	37	73	0.7	36	6
3.9	MS0390-SSA	-3	İçten	Silindirik	66	17.9	24	29	65	0.7	36	6
	MS0390-SSK	-3	İçten	Whistle notch	66	17.9	24	29	65	0.7	36	6
	MS0390-SLA	-5	İçten	Silindirik	74	29.9	36	37	73	0.7	36	6
	MS0390-SLK	-5	İçten	Whistle notch	74	29.9	36	37	73	0.7	36	6
4.0	MS0400-SSA	-3	İçten	Silindirik	66	17.7	24	29	65	0.7	36	6
	MS0400-SSK	-3	İçten	Whistle notch	66	17.7	24	29	65	0.7	36	6
	MS0400-SLA	-5	İçten	Silindirik	74	29.7	36	37	73	0.7	36	6
	MS0400-SLK	-5	İçten	Whistle notch	74	29.7	36	37	73	0.7	36	6

DC	Sipariş Numarası	L x DC	Soğutma (İçten/Dıştan)	Şaft tipi	OAL	LU	LCF	LH	LF	PL	LS	DCON
4.1	MS0410-SSA	-3	İçten	Silindirik	66	17.6	24	29	65	0.7	36	6
	MS0410-SSK	-3	İçten	Whistle notch	66	17.6	24	29	65	0.7	36	6
	MS0410-SLA	-5	İçten	Silindirik	74	29.6	36	37	73	0.7	36	6
	MS0410-SLK	-5	İçten	Whistle notch	74	29.6	36	37	73	0.7	36	6
4.2	MS0420-SSA	-3	İçten	Silindirik	66	17.5	24	29	65	0.8	36	6
	MS0420-SSK	-3	İçten	Whistle notch	66	17.5	24	29	65	0.8	36	6
	MS0420-SLA	-5	İçten	Silindirik	74	29.5	36	37	73	0.8	36	6
	MS0420-SLK	-5	İçten	Whistle notch	74	29.5	36	37	73	0.8	36	6
4.3	MS0430-SSA	-3	İçten	Silindirik	66	17.3	24	29	65	0.8	36	6
	MS0430-SSK	-3	İçten	Whistle notch	66	17.3	24	29	65	0.8	36	6
	MS0430-SLA	-5	İçten	Silindirik	74	29.3	36	37	73	0.8	36	6
	MS0430-SLK	-5	İçten	Whistle notch	74	29.3	36	37	73	0.8	36	6
4.5	MS0450-SSA	-3	İçten	Silindirik	66	17.1	24	29	65	0.8	36	6
	MS0450-SSK	-3	İçten	Whistle notch	66	17.1	24	29	65	0.8	36	6
	MS0450-SLA	-5	İçten	Silindirik	74	29.1	36	37	73	0.8	36	6
	MS0450-SLK	-5	İçten	Whistle notch	74	29.1	36	37	73	0.8	36	6
4.6	MS0460-SSA	-3	İçten	Silindirik	66	16.9	24	29	65	0.8	36	6
	MS0460-SSK	-3	İçten	Whistle notch	66	16.9	24	29	65	0.8	36	6
	MS0460-SLA	-5	İçten	Silindirik	74	28.9	36	37	73	0.8	36	6
	MS0460-SLK	-5	İçten	Whistle notch	74	28.9	36	37	73	0.8	36	6
4.8	MS0480-SSA	-3	İçten	Silindirik	66	20.7	28	29	65	0.9	36	6
	MS0480-SSK	-3	İçten	Whistle notch	66	20.7	28	29	65	0.9	36	6
	MS0480-SLA	-5	İçten	Silindirik	74	36.7	44	45	81	0.9	36	6
	MS0480-SLK	-5	İçten	Whistle notch	74	36.7	44	45	81	0.9	36	6
5.0	MS0500-SSA	-3	İçten	Silindirik	66	20.4	30	29	65	0.9	36	6
	MS0500-SSK	-3	İçten	Whistle notch	66	20.4	30	29	65	0.9	36	6
	MS0500-SLA	-5	İçten	Silindirik	82	36.4	46	45	81	0.9	36	6
	MS0500-SLK	-5	İçten	Whistle notch	82	36.4	46	45	81	0.9	36	6
5.1	MS0510-SSA	-3	İçten	Silindirik	66	20.3	30	29	65	0.9	36	6
	MS0510-SSK	-3	İçten	Whistle notch	66	20.3	30	29	65	0.9	36	6
	MS0510-SLA	-5	İçten	Silindirik	82	36.3	46	45	81	0.9	36	6
	MS0510-SLK	-5	İçten	Whistle notch	82	36.3	46	45	81	0.9	36	6
5.2	MS0520-SSA	-3	İçten	Silindirik	66	20.1	30	29	65	0.9	36	6
	MS0520-SSK	-3	İçten	Whistle notch	66	20.1	30	29	65	0.9	36	6
	MS0520-SLA	-5	İçten	Silindirik	82	36.1	46	45	81	0.9	36	6
	MS0520-SLK	-5	İçten	Whistle notch	82	36.1	46	45	81	0.9	36	6
5.5	MS0550-SSA	-3	İçten	Silindirik	66	19.8	30	29	65	1	36	6
	MS0550-SSK	-3	İçten	Whistle notch	66	19.8	30	29	65	1	36	6
	MS0550-SLA	-5	İçten	Silindirik	82	35.8	46	45	81	1	36	6
	MS0550-SLK	-5	İçten	Whistle notch	82	35.8	46	45	81	1	36	6
5.6	MS0560-SSA	-3	İçten	Silindirik	66	19.6	30	29	65	1	36	6
	MS0560-SSK	-3	İçten	Whistle notch	66	19.6	30	29	65	1	36	6
	MS0560-SLA	-5	İçten	Silindirik	82	35.6	46	45	81	1	36	6
	MS0560-SLK	-5	İçten	Whistle notch	82	35.6	46	45	81	1	36	6
5.7	MS0570-SSA	-3	İçten	Silindirik	66	19.5	30	29	65	1	36	6
	MS0570-SSK	-3	İçten	Whistle notch	66	19.5	30	29	65	1	36	6
	MS0570-SLA	-5	İçten	Silindirik	82	35.5	46	45	81	1	36	6
	MS0570-SLK	-5	İçten	Whistle notch	82	35.5	46	45	81	1	36	6
5.8	MS0580-SSA	-3	İçten	Silindirik	66	19.4	30	29	65	1.1	36	6
	MS0580-SSK	-3	İçten	Whistle notch	66	19.4	30	29	65	1.1	36	6
	MS0580-SLA	-5	İçten	Silindirik	82	35.4	46	45	81	1.1	36	6
	MS0580-SLK	-5	İçten	Whistle notch	82	35.4	46	45	81	1.1	36	6

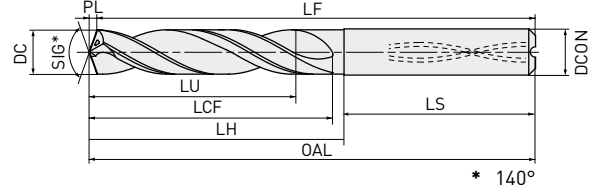
MS MATKAP UCU

P M K



D Toleransı	D≤3.0	3.0<D≤6.0	6.0<D≤10.0	10.0<D≤14.0
m7	+0.016 +0.004	+0.016 +0.004	+0.021 +0.006	+0.025 +0.007

MS○○○○○-S○○○ (İçten soğutma)



DC	Sipariş Numarası	L x DC	Soğutma (İçten/Dıştan)	Şaft tipi	OAL	LU	LCF	LH	LF	PL	LS	DCON
6.0	MS0600-SSA	-3	İçten	Silindirik	66	19.1	30	29	65	1.1	36	6
	MS0600-SSK	-3	İçten	Whistle notch	66	19.1	30	29	65	1.1	36	6
	MS0600-SLA	-5	İçten	Silindirik	82	35.1	46	45	81	1.1	36	6
	MS0600-SLK	-5	İçten	Whistle notch	82	35.1	46	45	81	1.1	36	6
6.1	MS0610-SSA	-3	İçten	Silindirik	79	25	34	42	78	1.1	36	8
	MS0610-SSK	-3	İçten	Whistle notch	79	25	34	42	78	1.1	36	8
	MS0610-SLA	-5	İçten	Silindirik	91	44	53	54	90	1.1	36	8
	MS0610-SLK	-5	İçten	Whistle notch	91	44	53	54	90	1.1	36	8
6.2	MS0620-SSA	-3	İçten	Silindirik	79	24.8	34	42	78	1.1	36	8
	MS0620-SSK	-3	İçten	Whistle notch	79	24.8	34	42	78	1.1	36	8
	MS0620-SLA	-5	İçten	Silindirik	91	43.8	53	54	90	1.1	36	8
	MS0620-SLK	-5	İçten	Whistle notch	91	43.8	53	54	90	1.1	36	8
6.5	MS0650-SSA	-3	İçten	Silindirik	79	24.4	34	42	78	1.2	36	8
	MS0650-SSK	-3	İçten	Whistle notch	79	24.4	34	42	78	1.2	36	8
	MS0650-SLA	-5	İçten	Silindirik	91	43.4	53	54	90	1.2	36	8
	MS0650-SLK	-5	İçten	Whistle notch	91	43.4	53	54	90	1.2	36	8
6.6	MS0660-SSA	-3	İçten	Silindirik	79	24.3	34	42	78	1.2	36	8
	MS0660-SSK	-3	İçten	Whistle notch	79	24.3	34	42	78	1.2	36	8
	MS0660-SLA	-5	İçten	Silindirik	91	43.3	53	54	90	1.2	36	8
	MS0660-SLK	-5	İçten	Whistle notch	91	43.3	53	54	90	1.2	36	8
6.8	MS0680-SSA	-3	İçten	Silindirik	79	24	34	42	78	1.2	36	8
	MS0680-SSK	-3	İçten	Whistle notch	79	24	34	42	78	1.2	36	8
	MS0680-SLA	-5	İçten	Silindirik	91	43	53	54	90	1.2	36	8
	MS0680-SLK	-5	İçten	Whistle notch	91	43	53	54	90	1.2	36	8
6.9	MS0690-SSA	-3	İçten	Silindirik	79	23.9	34	42	78	1.3	36	8
	MS0690-SSK	-3	İçten	Whistle notch	79	23.9	34	42	78	1.3	36	8
	MS0690-SLA	-5	İçten	Silindirik	91	42.9	53	54	90	1.3	36	8
	MS0690-SLK	-5	İçten	Whistle notch	91	42.9	53	54	90	1.3	36	8
7.0	MS0700-SSA	-3	İçten	Silindirik	79	23.8	34	42	78	1.3	36	8
	MS0700-SSK	-3	İçten	Whistle notch	79	23.8	34	42	78	1.3	36	8
	MS0700-SLA	-5	İçten	Silindirik	91	42.8	53	54	90	1.3	36	8
	MS0700-SLK	-5	İçten	Whistle notch	91	42.8	53	54	90	1.3	36	8
7.3	MS0730-SSA	-3	İçten	Silindirik	79	30.4	34	42	78	1.3	36	8
	MS0730-SSK	-3	İçten	Whistle notch	79	30.4	34	42	78	1.3	36	8
	MS0730-SLA	-5	İçten	Silindirik	91	42.4	53	54	90	1.3	36	8
	MS0730-SLK	-5	İçten	Whistle notch	91	42.4	53	54	90	1.3	36	8

DC	Sipariş Numarası	L x DC	Soğutma (İçten/Dıştan)	Şaft tipi	OAL	LU	LCF	LH	LF	PL	LS	DCON
7.4	MS0740-SSA	-3	İçten	Silindirik	79	30.2	41	42	78	1.3	36	8
	MS0740-SSK	-3	İçten	Whistle notch	79	30.2	41	42	78	1.3	36	8
	MS0740-SLA	-5	İçten	Silindirik	91	42.2	53	54	90	1.3	36	8
	MS0740-SLK	-5	İçten	Whistle notch	91	42.2	53	54	90	1.3	36	8
7.5	MS0750-SSA	-3	İçten	Silindirik	79	30.1	41	42	78	1.4	36	8
	MS0750-SSK	-3	İçten	Whistle notch	79	30.1	41	42	78	1.4	36	8
	MS0750-SLA	-5	İçten	Silindirik	91	42.1	53	54	90	1.4	36	8
	MS0750-SLK	-5	İçten	Whistle notch	91	42.1	53	54	90	1.4	36	8
7.8	MS0780-SSA	-3	İçten	Silindirik	79	29.7	41	42	78	1.4	36	8
	MS0780-SSK	-3	İçten	Whistle notch	79	29.7	41	42	78	1.4	36	8
	MS0780-SLA	-5	İçten	Silindirik	91	41.7	53	54	90	1.4	36	8
	MS0780-SLK	-5	İçten	Whistle notch	91	41.7	53	54	90	1.4	36	8
8.0	MS0800-SSA	-3	İçten	Silindirik	79	29.5	41	42	78	1.5	36	10
	MS0800-SSK	-3	İçten	Whistle notch	79	29.5	41	42	78	1.5	36	10
	MS0800-SLA	-5	İçten	Silindirik	91	41.5	53	54	90	1.5	36	10
	MS0800-SLK	-5	İçten	Whistle notch	91	41.5	53	54	90	1.5	36	10
8.3	MS0830-SSA	-3	İçten	Silindirik	89	34.1	47	48	87	1.5	40	10
	MS0830-SSK	-3	İçten	Whistle notch	89	34.1	47	48	87	1.5	40	10
	MS0830-SLA	-5	İçten	Silindirik	103	48.1	61	62	101	1.5	40	10
	MS0830-SLK	-5	İçten	Whistle notch	103	48.1	61	62	101	1.5	40	10
8.5	MS0850-SSA	-3	İçten	Silindirik	89	33.8	47	48	87	1.5	40	10
	MS0850-SSK	-3	İçten	Whistle notch	89	33.8	47	48	87	1.5	40	10
	MS0850-SLA	-5	İçten	Silindirik	103	47.8	61	62	101	1.5	40	10
	MS0850-SLK	-5	İçten	Whistle notch	103	47.8	61	62	101	1.5	40	10
8.6	MS0860-SSA	-3	İçten	Silindirik	89	33.7	47	48	87	1.6	40	10
	MS0860-SSK	-3	İçten	Whistle notch	89	33.7	47	48	87	1.6	40	10
	MS0860-SLA	-5	İçten	Silindirik	103	47.7	61	62	101	1.6	40	10
	MS0860-SLK	-5	İçten	Whistle notch	103	47.7	61	62	101	1.6	40	10
8.7	MS0870-SSA	-3	İçten	Silindirik	89	33.5	47	48	87	1.6	40	10
	MS0870-SSK	-3	İçten	Whistle notch	89	33.5	47	48	87	1.6	40	10
	MS0870-SLA	-5	İçten	Silindirik	103	47.5	61	62	101	1.6	40	10
	MS0870-SLK	-5	İçten	Whistle notch	103	47.5	61	62	101	1.6	40	10
8.8	MS0880-SSA	-3	İçten	Silindirik	89	33.4	47	48	87	1.6	40	10
	MS0880-SSK	-3	İçten	Whistle notch	89	33.4	47	48	87	1.6	40	10
	MS0880-SLA	-5	İçten	Silindirik	103	47.4	61	62	101	1.6	40	10
	MS0880-SLK	-5	İçten	Whistle notch	103	47.4	61	62	101	1.6	40	10
9.0	MS0900-SSA	-3	İçten	Silindirik	89	33.3	47	48	87	1.6	40	10
	MS0900-SSK	-3	İçten	Whistle notch	89	33.3	47	48	87	1.6	40	10
	MS0900-SLA	-5	İçten	Silindirik	103	47.3	61	62	101	1.6	40	10
	MS0900-SLK	-5	İçten	Whistle notch	103	47.3	61	62	101	1.6	40	10
9.3	MS0930-SSA	-3	İçten	Silindirik	89	33.1	47	48	87	1.6	40	10
	MS0930-SSK	-3	İçten	Whistle notch	89	33.1	47	48	87	1.6	40	10
	MS0930-SLA	-5	İçten	Silindirik	103	47.1	61	62	101	1.6	40	10
	MS0930-SLK	-5	İçten	Whistle notch	103	47.1	61	62	101	1.6	40	10
9.5	MS0950-SSA	-3	İçten	Silindirik	89	32.5	47	48	87	1.7	40	10
	MS0950-SSK	-3	İçten	Whistle notch	89	32.5	47	48	87	1.7	40	10
	MS0950-SLA	-5	İçten	Silindirik	103	46.5	61	62	101	1.7	40	10
	MS0950-SLK	-5	İçten	Whistle notch	103	46.5	61	62	101	1.7	40	10
9.8	MS0980-SSA	-3	İçten	Silindirik	89	32.1	47	48	87	1.8	40	10
	MS0980-SSK	-3	İçten	Whistle notch	89	32.1	47	48	87	1.8	40	10
	MS0980-SLA	-5	İçten	Silindirik	103	46.1	61	62	101	1.8	40	10
	MS0980-SLK	-5	İçten	Whistle notch	103	46.1	61	62	101	1.8	40	10

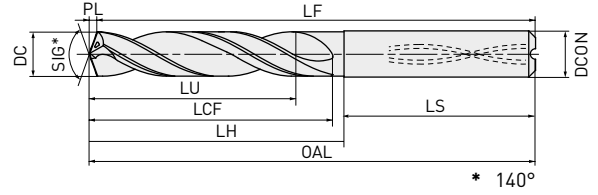
MS MATKAP UCU

P M K



D Toleransı	D≤3.0	3.0<D≤6.0	6.0<D≤10.0	10.0<D≤14.0
m7	+0.016 +0.004	+0.016 +0.004	+0.021 +0.006	+0.025 +0.007

MS○○○○○-S○○○ (İçten soğutma)



DC	Sipariş Numarası	L x DC	Soğutma (İçten/Dıştan)	Şaft tipi	OAL	LU	LCF	LH	LF	PL	LS	DCON
10.0	MS1000-SSA	-3	İçten	Silindirik	89	31.8	47	48	87	1.8	40	10
	MS1000-SSK	-3	İçten	Whistle notch	89	31.8	47	48	87	1.8	40	10
	MS1000-SLA	-5	İçten	Silindirik	103	45.8	61	62	101	1.8	40	10
	MS1000-SLK	-5	İçten	Whistle notch	103	45.8	61	62	101	1.8	40	10
10.2	MS1020-SSA	-3	İçten	Silindirik	102	39.6	55	56	100	1.9	45	12
	MS1020-SSK	-3	İçten	Whistle notch	102	39.6	55	56	100	1.9	45	12
	MS1020-SLA	-5	İçten	Silindirik	118	55.6	71	72	116	1.9	45	12
	MS1020-SLK	-5	İçten	Whistle notch	118	55.6	71	72	116	1.9	45	12
10.3	MS1030-SSA	-3	İçten	Silindirik	102	39.4	55	56	100	1.9	45	12
	MS1030-SSK	-3	İçten	Whistle notch	102	39.4	55	56	100	1.9	45	12
	MS1030-SLA	-5	İçten	Silindirik	118	55.4	71	72	116	1.9	45	12
	MS1030-SLK	-5	İçten	Whistle notch	118	55.4	71	72	116	1.9	45	12
10.4	MS1040-SSA	-3	İçten	Silindirik	102	39.3	55	56	100	1.9	45	12
	MS1040-SSK	-3	İçten	Whistle notch	102	39.3	55	56	100	1.9	45	12
	MS1040-SLA	-5	İçten	Silindirik	118	55.3	71	72	116	1.9	45	12
	MS1040-SLK	-5	İçten	Whistle notch	118	55.3	71	72	116	1.9	45	12
10.5	MS1050-SSA	-3	İçten	Silindirik	102	39.2	55	56	100	1.9	45	12
	MS1050-SSK	-3	İçten	Whistle notch	102	39.2	55	56	100	1.9	45	12
	MS1050-SLA	-5	İçten	Silindirik	118	55.2	71	72	116	1.9	45	12
	MS1050-SLK	-5	İçten	Whistle notch	118	55.2	71	72	116	1.9	45	12
10.7	MS1070-SSA	-3	İçten	Silindirik	102	38.9	55	56	100	1.9	45	12
	MS1070-SSK	-3	İçten	Whistle notch	102	38.9	55	56	100	1.9	45	12
	MS1070-SLA	-5	İçten	Silindirik	118	54.9	71	72	116	1.9	45	12
	MS1070-SLK	-5	İçten	Whistle notch	118	54.9	71	72	116	1.9	45	12
10.8	MS1080-SSA	-3	İçten	Silindirik	102	38.8	55	56	100	2	45	12
	MS1080-SSK	-3	İçten	Whistle notch	102	38.8	55	56	100	2	45	12
	MS1080-SLA	-5	İçten	Silindirik	118	54.8	71	72	116	2	45	12
	MS1080-SLK	-5	İçten	Whistle notch	118	54.8	71	72	116	2	45	12
11.0	MS1100-SSA	-3	İçten	Silindirik	102	38.5	55	56	100	2	45	12
	MS1100-SSK	-3	İçten	Whistle notch	102	38.5	55	56	100	2	45	12
	MS1100-SLA	-5	İçten	Silindirik	118	54.5	71	72	116	2	45	12
	MS1100-SLK	-5	İçten	Whistle notch	118	54.5	71	72	116	2	45	12
11.2	MS1120-SSA	-3	İçten	Silindirik	102	38.2	55	56	100	2	45	12
	MS1120-SSK	-3	İçten	Whistle notch	102	38.2	55	56	100	2	45	12
	MS1120-SLA	-5	İçten	Silindirik	118	54.2	71	72	116	2	45	12
	MS1120-SLK	-5	İçten	Whistle notch	118	54.2	71	72	116	2	45	12

DC	Sipariş Numarası	L x DC	Soğutma (İçten/Dıştan)	Şaft tipi	OAL	LU	LCF	LH	LF	PL	LS	DCON
11.4	MS1140-SSA	-3	İçten	Silindirik	102	38	55	56	100	2.1	45	12
	MS1140-SSK	-3	İçten	Whistle notch	102	38	55	56	100	2.1	45	12
	MS1140-SLA	-5	İçten	Silindirik	118	54	71	72	116	2.1	45	12
	MS1140-SLK	-5	İçten	Whistle notch	118	54	71	72	116	2.1	45	12
11.5	MS1150-SSA	-3	İçten	Silindirik	102	37.8	55	56	100	2.1	45	12
	MS1150-SSK	-3	İçten	Whistle notch	102	37.8	55	56	100	2.1	45	12
	MS1150-SLA	-5	İçten	Silindirik	118	53.8	71	72	116	2.1	45	12
	MS1150-SLK	-5	İçten	Whistle notch	118	53.8	71	72	116	2.1	45	12
11.7	MS1170-SSA	-3	İçten	Silindirik	102	37.6	55	56	100	2.1	45	12
	MS1170-SSK	-3	İçten	Whistle notch	102	37.6	55	56	100	2.1	45	12
	MS1170-SLA	-5	İçten	Silindirik	118	53.6	71	72	116	2.1	45	12
	MS1170-SLK	-5	İçten	Whistle notch	118	53.6	71	72	116	2.1	45	12
11.8	MS1180-SSA	-3	İçten	Silindirik	102	37.4	55	56	100	2.1	45	12
	MS1180-SSK	-3	İçten	Whistle notch	102	37.4	55	56	100	2.1	45	12
	MS1180-SLA	-5	İçten	Silindirik	118	53.4	71	72	116	2.1	45	12
	MS1180-SLK	-5	İçten	Whistle notch	118	53.4	71	72	116	2.1	45	12
12.0	MS1200-SSA	-3	İçten	Silindirik	102	37.2	55	56	100	2.2	45	12
	MS1200-SSK	-3	İçten	Whistle notch	102	37.2	55	56	100	2.2	45	12
	MS1200-SLA	-5	İçten	Silindirik	118	53.2	71	72	116	2.2	45	12
	MS1200-SLK	-5	İçten	Whistle notch	118	53.2	71	72	116	2.2	45	12
12.5	MS1250-SSA	-3	İçten	Silindirik	107	41.5	60	61	105	2.3	45	14
	MS1250-SSK	-3	İçten	Whistle notch	107	41.5	60	61	105	2.3	45	14
	MS1250-SLA	-5	İçten	Silindirik	124	58.5	77	78	122	2.3	45	14
	MS1250-SLK	-5	İçten	Whistle notch	124	58.5	77	78	122	2.3	45	14
12.6	MS1260-SSA	-3	İçten	Silindirik	107	41.4	60	61	105	2.3	45	14
	MS1260-SSK	-3	İçten	Whistle notch	107	41.4	60	61	105	2.3	45	14
	MS1260-SLA	-5	İçten	Silindirik	124	58.4	77	78	122	2.3	45	14
	MS1260-SLK	-5	İçten	Whistle notch	124	58.4	77	78	122	2.3	45	14
12.7	MS1270-SSA	-3	İçten	Silindirik	107	41.3	60	61	105	2.3	45	14
	MS1270-SSK	-3	İçten	Whistle notch	107	41.3	60	61	105	2.3	45	14
	MS1270-SLA	-5	İçten	Silindirik	124	58.3	77	78	122	2.3	45	14
	MS1270-SLK	-5	İçten	Whistle notch	124	58.3	77	78	122	2.3	45	14
13.0	MS1300-SSA	-3	İçten	Silindirik	107	40.9	60	61	105	2.4	45	14
	MS1300-SSK	-3	İçten	Whistle notch	107	40.9	60	61	105	2.4	45	14
	MS1300-SLA	-5	İçten	Silindirik	124	57.9	77	78	122	2.4	45	14
	MS1300-SLK	-5	İçten	Whistle notch	124	57.9	77	78	122	2.4	45	14
13.5	MS1350-SSA	-3	İçten	Silindirik	107	40.2	60	61	105	2.5	45	14
	MS1350-SSK	-3	İçten	Whistle notch	107	40.2	60	61	105	2.5	45	14
	MS1350-SLA	-5	İçten	Silindirik	124	57.2	77	78	122	2.5	45	14
	MS1350-SLK	-5	İçten	Whistle notch	124	57.2	77	78	122	2.5	45	14
13.7	MS1370-SSA	-3	İçten	Silindirik	107	39.9	60	61	105	2.5	45	14
	MS1370-SSK	-3	İçten	Whistle notch	107	39.9	60	61	105	2.5	45	14
	MS1370-SLA	-5	İçten	Silindirik	124	56.9	77	78	122	2.5	45	14
	MS1370-SLK	-5	İçten	Whistle notch	124	56.9	77	78	122	2.5	45	14
14.0	MS1400-SSA	-3	İçten	Silindirik	107	39.5	60	62	105	2.5	45	14
	MS1400-SSK	-3	İçten	Whistle notch	107	39.5	60	62	105	2.5	45	14
	MS1400-SLA	-5	İçten	Silindirik	124	56.5	77	79	122	2.5	45	14
	MS1400-SLK	-5	İçten	Whistle notch	124	56.5	77	79	122	2.5	45	14

ÖNERİLEN KESME KOŞULLARI

İş parçası malzemesi	Durumu	Kopma Mukavemeti N/mm ²	Sertlik HB	Ø 3.0 – 5.9		Ø 6.0 – 9.9		Ø 10.0 – 14.0		
				Vc (m/dak)	f (mm/dev)	Vc (m/dak)	f (mm/dev)	Vc (m/dak)	f (mm/dev)	
P	Alaşsız Sülfür ≤%0,25 C	tavlanmış	<500	150	100	0.18	110	0.25	130	0.30
	Fosforlu Çelik ≤%0,25 C	tavlanmış	-680	200	100	0.18	110	0.25	130	0.30
	Karbon Çeliği ≤%0,55 C	temperlenmiş	>800	275	80	0.18	90	0.25	100	0.30
	Temperlenmiş Çelik ≤%0,55 C	tavlanmış	-680	300	60	0.18	70	0.25	80	0.30
	Kalıp Çeliği / Dökme Çelik	temperlenmiş	>800	350	50	0.15	60	0.20	70	0.25
	Düşük Alaşimli Çelik, Kalıp Çeliği	tavlanmış	<680	<200	50	0.18	80	0.25	80	0.30
	Yay Çeliği, Nitrürlenmiş Çelik	temperlenmiş	850	250	60	0.18	70	0.25	80	0.30
	Yüzeyi Sertleştirilmiş Çelik	temperlenmiş	>850	>250	60	0.18	70	0.25	80	0.30
	Rulman Çeliği, Dökme Çelik	temperlenmiş	>1000	>300	50	0.15	60	0.20	70	0.30
	Yüksek Alaşimli Isıya Dayanıklı elikler	tavlanmış	<680	<200	50	0.15	55	0.20	60	0.25
	Supap Çeliği	temperlenmiş	850	250	45	0.15	50	0.20	55	0.25
	Kalıp Çeliği	temperlenmiş	>850	>250	50	0.18	55	0.20	60	0.25
Dökme Çelik	temperlenmiş	>1000	>300	45	0.15	50	0.20	55	0.25	
M	Paslanmaz Çelik	ferrit./mart.	680	200	45	0.15	50	0.20	60	0.25
	Isıya Dayanıklı Çelik	martensitik	850	250	45	0.15	50	0.20	60	0.25
	Dökme Çelik	ostenitik	-950	230	45	0.15	50	0.20	60	0.25
K	Lamine Grafit	ferritik	<180	100	0.20	100	0.25	110	0.30	
	Dökme Demir	perlitik	100 - 400	220	90	0.20	90	0.25	100	0.30
	Küresel Dökme Demir	ferritik	<180	80	0.20	80	0.25	90	0.30	
	Duktil Dökme Demir	perlitik	400 - 800	250	80	0.20	80	0.25	90	0.30
	Temperlenmiş ve Siyah	ferritik	<180	50	0.20	65	0.20	75	0.25	
	Dökme Demir	perlitik	350 - 700	220	50	0.15	60	0.20	70	0.22

NOTLAR

A series of horizontal dashed lines for writing notes.

GERMANY

MMC HARTMETALL GMBH
Comeniusstr. 2 . 40670 Meerbusch
Phone +49 2159 91890 . Fax +49 2159 918966
Email admin@mmchg.de

U.K.

MMC HARDMETAL U.K. LTD.
Mitsubishi House . Galena Close . Tamworth . Staffs. B77 4AS
Phone +44 1827 312312 . Fax +44 1827 312314
Email sales@mitsubishicarbide.co.uk

SPAIN

MITSUBISHI MATERIALS ESPAÑA, S.A.
Calle Emperador 2 . 46136 Museros/Valencia
Phone +34 96 1441711 . Fax +34 96 1443786
Email mme@mmevalencia.com

FRANCE

MMC METAL FRANCE S.A.R.L.
6, Rue Jacques Monod . 91400 Orsay
Phone +33 1 69 35 53 53 . Fax +33 1 69 35 53 50
Email mmfsales@mmc-metal-france.fr

POLAND

MMC HARDMETAL POLAND SP. Z O.O
Al. Armii Krajowej 61 . 50-541 Wrocław
Phone +48 71335 1620 . Fax +48 71335 1621
Email sales@mitsubishicarbide.com.pl

RUSSIA

MMC HARDMETAL RUSSIA OOO LTD.
Electrozavodskaya St. 24 . build. 3 . Moscow . 107023
Phone +7 495 725 58 85 . Fax +7 495 981 39 79
Email info@mmc-carbide.ru

ITALY

MMC ITALIA S.R.L.
Via Montefeltro 6/A . 20156 Milano
Phone +39 0293 77031 . Fax +39 0293 589093
Email info@mmc-italia.it

TURKEY

MMC HARTMETALL GMBH ALMANYA - İZMİR MERKEZ ŞUBESİ
Adalet Mahallesi Anadolu Caddesi No: 41-1 . 15001 35580 Bayraklı /İzmir
Phone +90 232 5015000 . Fax +90 232 5015007
Email info@mmchg.com.tr

DAĞITICI:

┌

┐

└

┘

