

FORETS MS

FORETS POUR TOUT TYPE D'USINAGE



DIAEDGE

MMC Hartmetall GmbH

A Sales Company of  MITSUBISHI MATERIALS

FORETS MS

CARBURE MONOBLOC



..... Une nouvelle gamme de forets de qualité caractérisée par une relation prix performance supérieure.
Une gamme variée et fiable de forets carbure monobloc et forets HSS revêtus, pour répondre aux besoins modernes de l'usinage métal.



Nos solutions à tout problème de coupe, issues d'une expérience de production décennale, nous permettent d'offrir une gamme de forets complète et compétitive.



..... La nouvelle gamme de forets MS, répondant aux plus exigeants standards de la norme DIN 6537, reflète notre engagement pour la qualité et la fiabilité.

CARACTÉRISTIQUES

CARBURE MONOBLOC

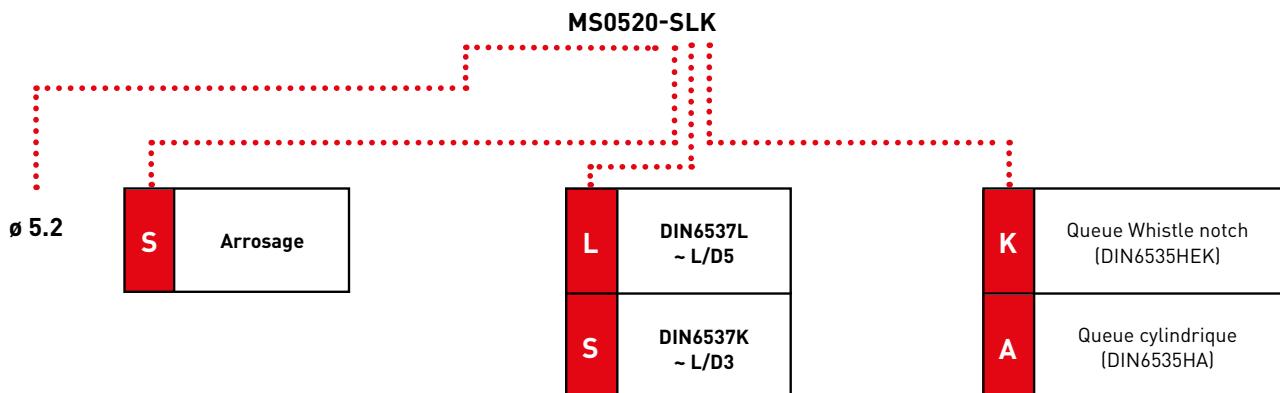


- Arrosage
- 3 x D et 5 x D longueur de coupe
- Géométrie d'arête renforcée
- Pour une vaste gamme de matières
- Queue Cylindrique ou avec plat Whistle notch
- Substrat Carbure métallique micro-grain
- Revêtement PVD pour une longue durée de vie de l'outil



IDENTIFICATION DE LA RÉFÉRENCE

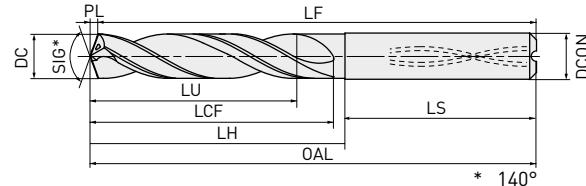
MS○○○○○-S○○ (Arrosage intérieur)



FORETS MS

CYLINDRIQUE

P M K



DC<3	3<DC≤6	6<DC≤10	10<DC≤14
0.016 +0.004	0.016 +0.004	0.021 +0.006	0.025 +0.007

Référence	Stock	DC	L/D	LU	LCF	LH	OAL	LF	PL	LS	DCON
MS0300-SSA	●	3.0	3	15	20	25	62	61	0.5	36	6
MS0300-SLA	●		5	23	28	29	66	65	0.5	36	6
MS0310-SSA	●	3.1	3	14.9	20	25	62	61	0.6	36	6
MS0310-SLA	●		5	22.9	28	29	66	65	0.6	36	6
MS0330-SSA	●	3.3	3	14.7	20	25	62	61	0.6	36	6
MS0330-SLA	●		5	22.7	28	29	66	65	0.6	36	6
MS0340-SSA	●	3.4	3	14.5	20	25	62	61	0.6	36	6
MS0340-SLA	●		5	22.5	28	29	66	65	0.6	36	6
MS0350-SSA	●	3.5	3	14.4	20	25	62	61	0.6	36	6
MS0350-SLA	●		5	22.4	28	29	66	65	0.6	36	6
MS0370-SSA	●	3.7	3	14.1	20	25	62	61	0.7	36	6
MS0370-SLA	●		5	22.1	28	29	66	65	0.7	36	6
MS0380-SSA	●	3.8	3	18	24	29	66	65	0.7	36	6
MS0380-SLA	●		5	30	36	37	74	73	0.7	36	6
MS0390-SSA	●	3.9	3	17.9	24	29	66	65	0.7	36	6
MS0390-SLA	●		5	29.9	36	37	74	73	0.7	36	6
MS0400-SSA	●	4.0	3	17.7	24	29	66	65	0.7	36	6
MS0400-SLA	●		5	29.7	36	37	74	73	0.7	36	6
MS0410-SSA	●	4.1	3	17.6	24	29	66	65	0.7	36	6
MS0410-SLA	●		5	29.6	36	37	74	73	0.7	36	6
MS0420-SSA	●	4.2	3	17.5	24	29	66	65	0.8	36	6
MS0420-SLA	●		5	29.5	36	37	74	73	0.8	36	6
MS0430-SSA	●	4.3	3	17.3	24	29	66	65	0.8	36	6
MS0430-SLA	●		5	29.3	36	37	74	73	0.8	36	6
MS0450-SSA	●	4.5	3	17.1	24	29	66	65	0.8	36	6
MS0450-SLA	●		5	29.1	36	37	74	73	0.8	36	6
MS0460-SSA	●	4.6	3	16.9	24	29	66	65	0.8	36	6
MS0460-SLA	●		5	28.9	36	37	74	73	0.8	36	6
MS0480-SSA	●	4.8	3	20.7	28	29	66	65	0.9	36	6
MS0480-SLA	●		5	36.7	44	45	74	81	0.9	36	6
MS0500-SSA	●	5.0	3	20.4	30	29	66	65	0.9	36	6
MS0500-SLA	●		5	36.4	46	45	82	81	0.9	36	6

FORETS MS - CYLINDRIQUE

Référence	Stock	DC	L/D	LU	LCF	LH	OAL	LF	PL	LS	DCON
MS0510-SSA	●	5.1	3	20.3	30	29	66	65	0.9	36	6
MS0510-SLA	●		5	36.3	46	45	82	81	0.9	36	6
MS0520-SSA	●	5.2	3	20.1	30	29	66	65	0.9	36	6
MS0520-SLA	●	5.2	5	36.1	46	45	82	81	0.9	36	6
MS0550-SSA	●	5.5	3	19.8	30	29	66	65	1	36	6
MS0550-SLA	●	5.5	5	35.8	46	45	82	81	1	36	6
MS0560-SSA	●	5.6	3	19.6	30	29	66	65	1	36	6
MS0560-SLA	●	5.6	5	35.6	46	45	82	81	1	36	6
MS0570-SSA	●	5.7	3	19.5	30	29	66	65	1	36	6
MS0570-SLA	●	5.7	5	35.5	46	45	82	81	1	36	6
MS0580-SSA	●	5.8	3	19.4	30	29	66	65	1.1	36	6
MS0580-SLA	●	5.8	5	35.4	46	45	82	81	1.1	36	6
MS0600-SSA	●	6.0	3	19.1	30	29	66	65	1.1	36	6
MS0600-SLA	●	6.0	5	35.1	46	45	82	81	1.1	36	6
MS0610-SSA	●	6.1	3	25	34	42	79	78	1.1	36	8
MS0610-SLA	●	6.1	5	44	53	54	91	90	1.1	36	8
MS0620-SSA	●	6.2	3	24.8	34	42	79	78	1.1	36	8
MS0620-SLA	●	6.2	5	43.8	53	54	91	90	1.1	36	8
MS0650-SSA	●	6.5	3	24.4	34	42	79	78	1.2	36	8
MS0650-SLA	●	6.5	5	43.4	53	54	91	90	1.2	36	8
MS0660-SSA	●	6.6	3	24.3	34	42	79	78	1.2	36	8
MS0660-SLA	●	6.6	5	43.3	53	54	91	90	1.2	36	8
MS0680-SSA	●	6.8	3	24	34	42	79	78	1.2	36	8
MS0680-SLA	●	6.8	5	43	53	54	91	90	1.2	36	8
MS0690-SSA	●	6.9	3	23.9	34	42	79	78	1.3	36	8
MS0690-SLA	●	6.9	5	42.9	53	54	91	90	1.3	36	8
MS0700-SSA	●	7.0	3	23.8	34	42	79	78	1.3	36	8
MS0700-SLA	●	7.0	5	42.8	53	54	91	90	1.3	36	8
MS0730-SSA	●	7.3	3	30.4	34	42	79	78	1.3	36	8
MS0730-SLA	●	7.3	5	42.4	53	54	91	90	1.3	36	8
MS0740-SSA	●	7.4	3	30.2	41	42	79	78	1.3	36	8
MS0740-SLA	●	7.4	5	42.2	53	54	91	90	1.3	36	8
MS0750-SSA	●	7.5	3	30.1	41	42	79	78	1.4	36	8
MS0750-SLA	●	7.5	5	42.1	53	54	91	90	1.4	36	8
MS0780-SSA	●	7.8	3	29.7	41	42	79	78	1.4	36	8
MS0780-SLA	●	7.8	5	41.7	53	54	91	90	1.4	36	8
MS0800-SSA	●	8.0	3	29.5	41	42	79	78	1.5	36	10
MS0800-SLA	●	8.0	5	41.5	53	54	91	90	1.5	36	10
MS0830-SSA	●	8.3	3	34.1	47	48	89	87	1.5	40	10
MS0830-SLA	●	8.3	5	48.1	61	62	103	101	1.5	40	10
MS0850-SSA	●	8.5	3	33.8	47	48	89	87	1.5	40	10
MS0850-SLA	●	8.5	5	47.8	61	62	103	101	1.5	40	10
MS0860-SSA	●	8.6	3	33.7	47	48	89	87	1.6	40	10
MS0860-SLA	●	8.6	5	47.7	61	62	103	101	1.6	40	10
MS0870-SSA	●	8.7	3	33.5	47	48	89	87	1.6	40	10
MS0870-SLA	●	8.7	5	47.5	61	62	103	101	1.6	40	10
MS0880-SSA	●	8.8	3	33.4	47	48	89	87	1.6	40	10
MS0880-SLA	●	8.8	5	47.4	61	62	103	101	1.6	40	10
MS0900-SSA	●	9.0	3	33.3	47	48	89	87	1.6	40	10
MS0900-SLA	●	9.0	5	47.3	61	62	103	101	1.6	40	10

FORETS MS - CYLINDRIQUE

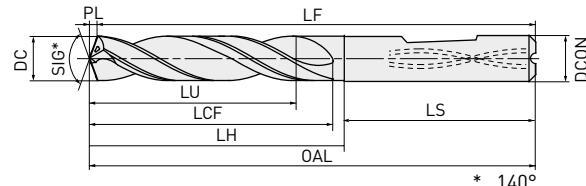
Référence	Stock	DC	L/D	LU	LCF	LH	OAL	LF	PL	LS	DCON
MS0930-SSA	●	9.3	3	33.1	47	48	89	87	1.6	40	10
MS0930-SLA	●		5	47.1	61	62	103	101	1.6	40	10
MS0950-SSA	●	9.5	3	32.5	47	48	89	87	1.7	40	10
MS0950-SLA	●		5	46.5	61	62	103	101	1.7	40	10
MS0980-SSA	●	9.8	3	32.1	47	48	89	87	1.8	40	10
MS0980-SLA	●		5	46.1	61	62	103	101	1.8	40	10
MS1000-SSA	●	10.0	3	31.8	47	48	89	87	1.8	40	10
MS1000-SLA	●		5	45.8	61	62	103	101	1.8	40	10
MS1020-SSA	●	10.2	3	39.6	55	56	102	100	1.9	45	12
MS1020-SLA	●		5	55.6	71	72	118	116	1.9	45	12
MS1030-SSA	●	10.3	3	39.4	55	56	102	100	1.9	45	12
MS1030-SLA	●		5	55.4	71	72	118	116	1.9	45	12
MS1040-SSA	●	10.4	3	39.3	55	56	102	100	1.9	45	12
MS1040-SLA	●		5	55.3	71	72	118	116	1.9	45	12
MS1050-SSA	●	10.5	3	39.2	55	56	102	100	1.9	45	12
MS1050-SLA	●		5	55.2	71	72	118	116	1.9	45	12
MS1070-SSA	●	10.7	3	38.9	55	56	102	100	1.9	45	12
MS1070-SLA	●		5	54.9	71	72	118	116	1.9	45	12
MS1080-SSA	●	10.8	3	38.8	55	56	102	100	2	45	12
MS1080-SLA	●		5	54.8	71	72	118	116	2	45	12
MS1100-SSA	●	11.0	3	38.5	55	56	102	100	2	45	12
MS1100-SLA	●		5	54.5	71	72	118	116	2	45	12
MS1120-SSA	●	11.2	3	38.2	55	56	102	100	2	45	12
MS1120-SLA	●		5	54.2	71	72	118	116	2	45	12
MS1140-SSA	●	11.4	3	38	55	56	102	100	2.1	45	12
MS1140-SLA	●		5	54	71	72	118	116	2.1	45	12
MS1150-SSA	●	11.5	3	37.8	55	56	102	100	2.1	45	12
MS1150-SLA	●		5	53.8	71	72	118	116	2.1	45	12
MS1170-SSA	●	11.7	3	37.6	55	56	102	100	2.1	45	12
MS1170-SLA	●		5	53.6	71	72	118	116	2.1	45	12
MS1180-SSA	●	11.8	3	37.4	55	56	102	100	2.1	45	12
MS1180-SLA	●		5	53.4	71	72	118	116	2.1	45	12
MS1200-SSA	●	12.0	3	37.2	55	56	102	100	2.2	45	12
MS1200-SLA	●		5	53.2	71	72	118	116	2.2	45	12
MS1250-SSA	●	12.5	3	41.5	60	61	107	105	2.3	45	14
MS1250-SLA	●		5	58.5	77	78	124	122	2.3	45	14
MS1260-SSA	●	12.6	3	41.4	60	61	107	105	2.3	45	14
MS1260-SLA	●		5	58.4	77	78	124	122	2.3	45	14
MS1270-SSA	●	12.7	3	41.3	60	61	107	105	2.3	45	14
MS1270-SLA	●		5	58.3	77	78	124	122	2.3	45	14
MS1300-SSA	●	13.0	3	40.9	60	61	107	105	2.4	45	14
MS1300-SLA	●		5	57.9	77	78	124	122	2.4	45	14
MS1350-SSA	●	13.5	3	40.2	60	61	107	105	2.5	45	14
MS1350-SLA	●		5	57.2	77	78	124	122	2.5	45	14
MS1370-SSA	●	13.7	3	39.9	60	61	107	105	2.5	45	14
MS1370-SLA	●		5	56.9	77	78	124	122	2.5	45	14
MS1400-SSA	●	14.0	3	39.5	60	62	107	105	2.5	45	14
MS1400-SLA	●		5	56.5	77	79	124	122	2.5	45	14

FORETS MS



WHISTLE NOTCH

P M K



DC≤3	3<DC≤6	6<DC≤10	10<DC≤14
0.016 +0.004	0.016 +0.004	0.021 +0.006	0.025 +0.007

Référence	Stock	DC	L/D	LU	LCF	LH	OAL	LF	PL	LS	DCON
MS0300-SSK	●	3.0	3	15	20	25	62	61	0.5	36	6
MS0300-SLK	●	5	23	28	29	66	65	0.5	36	6	
MS0310-SSK	●	3.1	3	14.9	20	25	62	61	0.6	36	6
MS0310-SLK	●	5	22.9	28	29	66	65	0.6	36	6	
MS0330-SSK	●	3.3	3	14.7	20	25	62	61	0.6	36	6
MS0330-SLK	●	5	22.7	28	29	66	65	0.6	36	6	
MS0340-SSK	●	3.4	3	14.5	20	25	62	61	0.6	36	6
MS0340-SLK	●	5	22.5	28	29	66	65	0.6	36	6	
MS0350-SSK	●	3.5	3	14.4	20	25	62	61	0.6	36	6
MS0350-SLK	●	5	22.4	28	29	66	65	0.6	36	6	
MS0370-SSK	●	3.7	3	14.1	20	25	62	61	0.7	36	6
MS0370-SLK	●	5	22.1	28	29	66	65	0.7	36	6	
MS0380-SSK	●	3.8	3	18	24	29	66	65	0.7	36	6
MS0380-SLK	●	5	30	36	37	74	73	0.7	36	6	
MS0390-SSK	●	3.9	3	17.9	24	29	66	65	0.7	36	6
MS0390-SLK	●	5	29.9	36	37	74	73	0.7	36	6	
MS0400-SSK	●	4.0	3	17.7	24	29	66	65	0.7	36	6
MS0400-SLK	●	5	29.7	36	37	74	73	0.7	36	6	
MS0410-SSK	●	4.1	3	17.6	24	29	66	65	0.7	36	6
MS0410-SLK	●	5	29.6	36	37	74	73	0.7	36	6	
MS0420-SSK	●	4.2	3	17.5	24	29	66	65	0.8	36	6
MS0420-SLK	●	5	29.5	36	37	74	73	0.8	36	6	
MS0430-SSK	●	4.3	3	17.3	24	29	66	65	0.8	36	6
MS0430-SLK	●	5	29.3	36	37	74	73	0.8	36	6	
MS0450-SSK	●	4.5	3	17.1	24	29	66	65	0.8	36	6
MS0450-SLK	●	5	29.1	36	37	74	73	0.8	36	6	
MS0460-SSK	●	4.6	3	16.9	24	29	66	65	0.8	36	6
MS0460-SLK	●	5	28.9	36	37	74	73	0.8	36	6	
MS0480-SSK	●	4.8	3	20.7	28	29	66	65	0.9	36	6
MS0480-SLK	●	5	36.7	44	45	74	81	0.9	36	6	
MS0500-SSK	●	5.0	3	20.4	30	29	66	65	0.9	36	6
MS0500-SLK	●	5	36.4	46	45	82	81	0.9	36	6	

FORETS MS - WHISTLE NOTCH

Référence	Stock	DC	L/D	LU	LCF	LH	OAL	LF	PL	LS	DCON
MS0510-SSK	●	5.1	3	20.3	30	29	66	65	0.9	36	6
MS0510-SLK	●		5	36.3	46	45	82	81	0.9	36	6
MS0520-SSK	●	5.2	3	20.1	30	29	66	65	0.9	36	6
MS0520-SLK	●	5.2	5	36.1	46	45	82	81	0.9	36	6
MS0550-SSK	●	5.5	3	19.8	30	29	66	65	1	36	6
MS0550-SLK	●	5.5	5	35.8	46	45	82	81	1	36	6
MS0560-SSK	●	5.6	3	19.6	30	29	66	65	1	36	6
MS0560-SLK	●	5.6	5	35.6	46	45	82	81	1	36	6
MS0570-SSK	●	5.7	3	19.5	30	29	66	65	1	36	6
MS0570-SLK	●	5.7	5	35.5	46	45	82	81	1	36	6
MS0580-SSK	●	5.8	3	19.4	30	29	66	65	1.1	36	6
MS0580-SLK	●	5.8	5	35.4	46	45	82	81	1.1	36	6
MS0600-SSK	●	6.0	3	19.1	30	29	66	65	1.1	36	6
MS0600-SLK	●	6.0	5	35.1	46	45	82	81	1.1	36	6
MS0610-SSK	●	6.1	3	25	34	42	79	78	1.1	36	8
MS0610-SLK	●	6.1	5	44	53	54	91	90	1.1	36	8
MS0620-SSK	●	6.2	3	24.8	34	42	79	78	1.1	36	8
MS0620-SLK	●	6.2	5	43.8	53	54	91	90	1.1	36	8
MS0650-SSK	●	6.5	3	24.4	34	42	79	78	1.2	36	8
MS0650-SLK	●	6.5	5	43.4	53	54	91	90	1.2	36	8
MS0660-SSK	●	6.6	3	24.3	34	42	79	78	1.2	36	8
MS0660-SLK	●	6.6	5	43.3	53	54	91	90	1.2	36	8
MS0680-SSK	●	6.8	3	24	34	42	79	78	1.2	36	8
MS0680-SLK	●	6.8	5	43	53	54	91	90	1.2	36	8
MS0690-SSK	●	6.9	3	23.9	34	42	79	78	1.3	36	8
MS0690-SLK	●	6.9	5	42.9	53	54	91	90	1.3	36	8
MS0700-SSK	●	7.0	3	23.8	34	42	79	78	1.3	36	8
MS0700-SLK	●	7.0	5	42.8	53	54	91	90	1.3	36	8
MS0730-SSK	●	7.3	3	30.4	34	42	79	78	1.3	36	8
MS0730-SLK	●	7.3	5	42.4	53	54	91	90	1.3	36	8
MS0740-SSK	●	7.4	3	30.2	41	42	79	78	1.3	36	8
MS0740-SLK	●	7.4	5	42.2	53	54	91	90	1.3	36	8
MS0750-SSK	●	7.5	3	30.1	41	42	79	78	1.4	36	8
MS0750-SLK	●	7.5	5	42.1	53	54	91	90	1.4	36	8
MS0780-SSK	●	7.8	3	29.7	41	42	79	78	1.4	36	8
MS0780-SLK	●	7.8	5	41.7	53	54	91	90	1.4	36	8
MS0800-SSK	●	8.0	3	29.5	41	42	79	78	1.5	36	10
MS0800-SLK	●	8.0	5	41.5	53	54	91	90	1.5	36	10
MS0830-SSK	●	8.3	3	34.1	47	48	89	87	1.5	40	10
MS0830-SLK	●	8.3	5	48.1	61	62	103	101	1.5	40	10
MS0850-SSK	●	8.5	3	33.8	47	48	89	87	1.5	40	10
MS0850-SLK	●	8.5	5	47.8	61	62	103	101	1.5	40	10
MS0860-SSK	●	8.6	3	33.7	47	48	89	87	1.6	40	10
MS0860-SLK	●	8.6	5	47.7	61	62	103	101	1.6	40	10
MS0870-SSK	●	8.7	3	33.5	47	48	89	87	1.6	40	10
MS0870-SLK	●	8.7	5	47.5	61	62	103	101	1.6	40	10
MS0880-SSK	●	8.8	3	33.4	47	48	89	87	1.6	40	10
MS0880-SLK	●	8.8	5	47.4	61	62	103	101	1.6	40	10
MS0900-SSK	●	9.0	3	33.3	47	48	89	87	1.6	40	10
MS0900-SLK	●	9.0	5	47.3	61	62	103	101	1.6	40	10

FORETS MS - WHISTLE NOTCH

Référence	Stock	DC	L/D	LU	LCF	LH	OAL	LF	PL	LS	DCON
MS0930-SSK	●	9.3	3	33.1	47	48	89	87	1.6	40	10
MS0930-SLK	●		5	47.1	61	62	103	101	1.6	40	10
MS0950-SSK	●	9.5	3	32.5	47	48	89	87	1.7	40	10
MS0950-SLK	●		5	46.5	61	62	103	101	1.7	40	10
MS0980-SSK	●	9.8	3	32.1	47	48	89	87	1.8	40	10
MS0980-SLK	●		5	46.1	61	62	103	101	1.8	40	10
MS1000-SSK	●	10.0	3	31.8	47	48	89	87	1.8	40	10
MS1000-SLK	●		5	45.8	61	62	103	101	1.8	40	10
MS1020-SSK	●	10.2	3	39.6	55	56	102	100	1.9	45	12
MS1020-SLK	●		5	55.6	71	72	118	116	1.9	45	12
MS1030-SSK	●	10.3	3	39.4	55	56	102	100	1.9	45	12
MS1030-SLK	●		5	55.4	71	72	118	116	1.9	45	12
MS1040-SSK	●	10.4	3	39.3	55	56	102	100	1.9	45	12
MS1040-SLK	●		5	55.3	71	72	118	116	1.9	45	12
MS1050-SSK	●	10.5	3	39.2	55	56	102	100	1.9	45	12
MS1050-SLK	●		5	55.2	71	72	118	116	1.9	45	12
MS1070-SSK	●	10.7	3	38.9	55	56	102	100	1.9	45	12
MS1070-SLK	●		5	54.9	71	72	118	116	1.9	45	12
MS1080-SSK	●	10.8	3	38.8	55	56	102	100	2	45	12
MS1080-SLK	●		5	54.8	71	72	118	116	2	45	12
MS1100-SSK	●	11.0	3	38.5	55	56	102	100	2	45	12
MS1100-SLK	●		5	54.5	71	72	118	116	2	45	12
MS1120-SSK	●	11.2	3	38.2	55	56	102	100	2	45	12
MS1120-SLK	●		5	54.2	71	72	118	116	2	45	12
MS1140-SSK	●	11.4	3	38	55	56	102	100	2.1	45	12
MS1140-SLK	●		5	54	71	72	118	116	2.1	45	12
MS1150-SSK	●	11.5	3	37.8	55	56	102	100	2.1	45	12
MS1150-SLK	●		5	53.8	71	72	118	116	2.1	45	12
MS1170-SSK	●	11.7	3	37.6	55	56	102	100	2.1	45	12
MS1170-SLK	●		5	53.6	71	72	118	116	2.1	45	12
MS1180-SSK	●	11.8	3	37.4	55	56	102	100	2.1	45	12
MS1180-SLK	●		5	53.4	71	72	118	116	2.1	45	12
MS1200-SSK	●	12.0	3	37.2	55	56	102	100	2.2	45	12
MS1200-SLK	●		5	53.2	71	72	118	116	2.2	45	12
MS1250-SSK	●	12.5	3	41.5	60	61	107	105	2.3	45	14
MS1250-SLK	●		5	58.5	77	78	124	122	2.3	45	14
MS1260-SSK	●	12.6	3	41.4	60	61	107	105	2.3	45	14
MS1260-SLK	●		5	58.4	77	78	124	122	2.3	45	14
MS1270-SSK	●	12.7	3	41.3	60	61	107	105	2.3	45	14
MS1270-SLK	●		5	58.3	77	78	124	122	2.3	45	14
MS1300-SSK	●	13.0	3	40.9	60	61	107	105	2.4	45	14
MS1300-SLK	●		5	57.9	77	78	124	122	2.4	45	14
MS1350-SSK	●	13.5	3	40.2	60	61	107	105	2.5	45	14
MS1350-SLK	●		5	57.2	77	78	124	122	2.5	45	14
MS1370-SSK	●	13.7	3	39.9	60	61	107	105	2.5	45	14
MS1370-SLK	●		5	56.9	77	78	124	122	2.5	45	14
MS1400-SSK	●	14.0	3	39.5	60	62	107	105	2.5	45	14
MS1400-SLK	●		5	56.5	77	79	124	122	2.5	45	14

FORETS MS

CONDITIONS DE COUPE RECOMMANDÉES

Matière	Propriétés	Résistance à la traction	Ø 3.0 – 5.9		Ø 6.0 – 9.9		Ø 10.0 – 14.0		
			Vc	f	Vc	f	Vc	f	
P	Acier carbone non allié <0.25%C	150 HB recuit	<500	100	0.18	110	0.25	130	0.30
	Acier de construction <0.25%C	200 HB recuit	-680	100	0.18	110	0.25	130	0.30
	Acier carbone <0.55%C	275 HB trempé	>800	80	0.18	90	0.25	100	0.30
	Acier trempé <0.55%C	300 HB recuit	-680	60	0.18	70	0.25	80	0.30
	Acier matrice / Acier moulé	350 HB trempé	>800	50	0.15	60	0.20	70	0.25
	Aciers faiblement alliés	<200 HB recuit	<680	50	0.18	80	0.25	80	0.30
	Acier à ressort, acier nitrurant	250 HB trempé	850	60	0.18	70	0.25	80	0.30
	Acier pour roulements, à outils	>250 HB trempé	>850	60	0.18	70	0.25	80	0.30
	Acier moulé	>300 HB trempé	>1000	50	0.15	60	0.20	70	0.30
	Aciers fortement alliés	<200 HB recuit	<680	50	0.15	55	0.20	60	0.25
	Acier à soupapes	250 HB trempé	850	45	0.15	50	0.20	55	0.25
	Acier outils	>250 HB trempé	>850	50	0.18	55	0.20	60	0.25
	Acier moulé	>300 HB trempé	>1000	45	0.15	50	0.20	55	0.25
M	Acier inox	200 HB ferrit./mart.	680	45	0.15	50	0.20	60	0.25
	Acier réfractaire	250 HB martensitique	850	45	0.15	50	0.20	60	0.25
	Acier moulé	230 HB austenitisch	-950	45	0.15	50	0.20	60	0.25
K	Graphite laminé	<180 HB ferritique	100 - 400	100	0.20	100	0.25	110	0.30
	Fonte grise	220 HB perlitique	100 - 400	90	0.20	90	0.25	100	0.30
	Fonte modulaire	<180 HB ferritique	400 - 800	80	0.20	80	0.25	90	0.30
	Fonte grise ductile	250 HB perlitique	400 - 800	80	0.20	80	0.25	90	0.30
	Fonte malléable	<180 HB ferritique	350 - 700	50	0.20	65	0.20	75	0.25
	Fonte grise	220 HB perlitique	350 - 700	50	0.15	60	0.20	70	0.22

MÉMO

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
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 comercial@mmevalencia.es

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 Wroclaw
Phone +48 71335 1620 . Fax +48 71335 1621
Email sales@mitsubishicarbide.com.pl

ITALY

MMC ITALIA S.R.L.
Viale Certosa 144 . 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 35530 Bayraklı /İzmir
Phone +90 232 5015000 . Fax +90 232 5015007
Email info@mmchg.com.tr

www.mmc-carbide.com

DISTRIBUÉ PAR:



B368F 

Publication: 2023.12