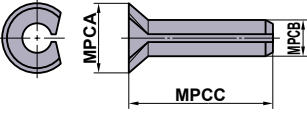
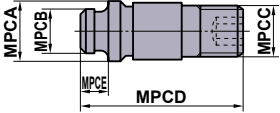
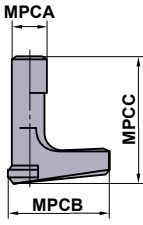
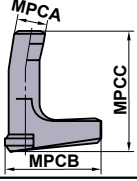
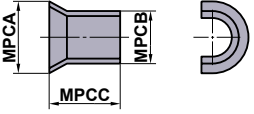
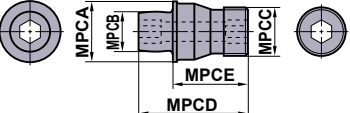


SPARE PARTS

SHIM

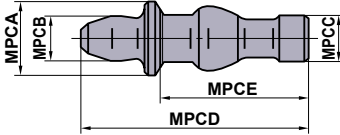
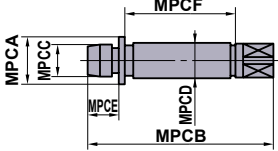
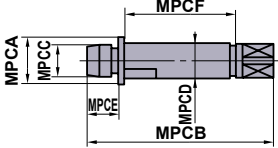
Geometry	Order Number	Dimensions (mm)						Tool Holder
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	PV321	9.52	3.18	0.4	0.4	—	—	MP Type Holder
	PV322	9.52	3.18	0.8	0.8	—	—	
	PV323	9.52	3.18	1.2	1.2	—	—	
	SPSVN32	8.06	3.18	0.3	0.3	—	—	SP Type Holder HSK Tool Holder
	STASX400N	11.00	3.00	0.4	0.4	0.4	0.4	ASX400 Type Cutter
	STASX445N	10.76	3.00	—	—	—	—	ASX445 Type Cutter
	STBS500N	12.7	3.18	0.8	0.8	0.8	0.8	
	WPSTN33	9.3	4.76	0.8	0.4	1.2	—	WP Type Holder
	WPSTN43	12.50	4.76	0.8	0.4	1.2	—	
	* WPSWC43	12.50	4.76	0.4	0.8	1.2	—	M Type Boring Bar
	WPSWN43	12.50	4.76	0.4	0.8	1.2	—	WP Type Holder

SHIM PIN AND CLAMP LEVER

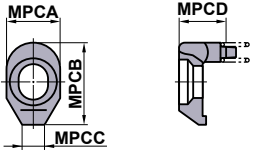
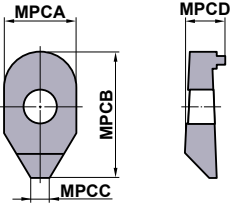
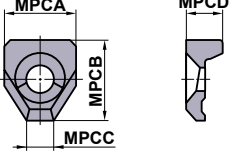
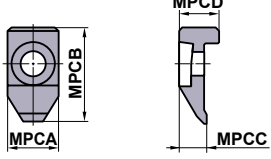
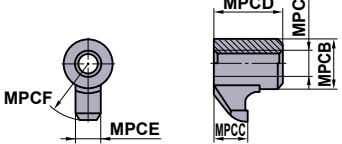
Geometry	Order Number	Dimensions (mm)					Tool Holder
		MPCA	MPCB	MPCC	MPCD	MPCE	
	BCP141	3.0	1.4	5.6	—	—	SP Type Holder
	BCP201	4.3	2	7.4	—	—	F Type Boring Bar
	BCP202	4.3	2	6.4	—	—	HSK Tool Holder
	BCP251	4.8	2.5	7.4	—	—	
	BCP252	4.8	2.5	6.4	—	—	
	BCP301	5.3	3	7.4	—	—	
	BCP401	6.3	4	7.4	—	—	
	CCP33	6.5	3.66	M5×0.8	18.5	3	WP Holder
	CCP34	7.5	5.0	M6×1.0	18.5	3	M Type Boring Bar
	CCP44	7.5	5.0	M5×0.8	14.2	3	
	LLCL12S	2.1	9.3	5.6	—	—	LL Type Holder
	LLCL13	3.6	10	12.5	—	—	P Type Boring Bar
	LLCL13S	3.6	10	7.8	—	—	HSK Tool Holder
	LLCL14	4.7	13.4	13.2	—	—	KSMG Type Cutter
	LLCL14S	4.7	13.6	12.2	—	—	
	LLCL15	6.0	19	17	—	—	
	LLCL16	7.5	20.8	21	—	—	
	LLCL18	8.6	25.4	25.2	—	—	
	LLCL23	3.6	12.0	11.5	—	—	
	LLCL23S	3.6	11.6	9.5	—	—	
	LLCL24	4.7	16.2	14.8	—	—	
	LLCL25	6.0	17.1	17	—	—	
	LLCL110	3.0	10.7	11.6	—	—	
	LLCL112	3.5	13	13.5	—	—	
	LLCL116	4.5	18.5	18	—	—	
	LLCL120	5.6	20.3	19	—	—	
	LLCL125	6	24	24	—	—	
	LLCL132	8	30	27	—	—	
		LLP13	5.55	4.85	5.3	—	—
LLP14		7.25	6.55	5.8	—	—	DOUBLE CLAMP Holder
LLP15		8.8	8.05	8.6	—	—	DOUBLE CLAMP DIMPLE BAR
LLP16		10.85	9.85	11.1	—	—	P Type Boring Bar
LLP18		15.35	13.05	12.0	—	—	HSK Tool Holder
LLP23		5.55	4.85	6.8	—	—	KSMG Type Cutter
LLP24		7.25	6.55	9.1	—	—	
	MP6	11.9	7.8	M10×1	22.1	15	DOUBLE CLAMP Holder (For Heavy Cutting)

SPARE PARTS

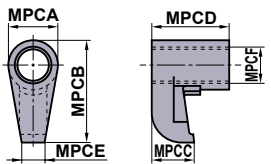
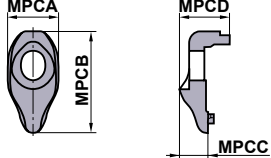
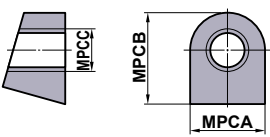
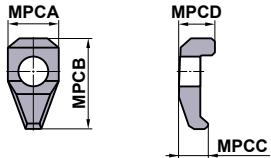
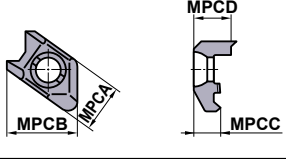
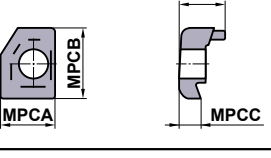
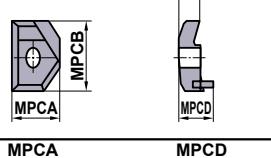
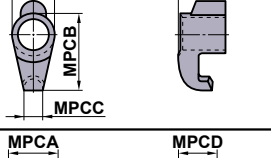
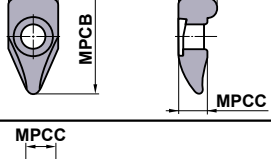
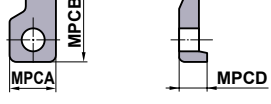
LOCK PIN

Geometry	Order Number	Dimensions (mm)						Tool Holder
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	P11S	6	3.7	4	17	11.1	—	MP Type Holder
	P21S	7.5	4.9	4.5	17.2	11.5	—	
	P221US	4	18	2.11	3.5	3.3	7.7	ML Type Holder
	P321US	5.5	18	3.64	5.0	3.3	7.5	
	P322US	5.5	21	3.64	5.0	3.3	10.5	
	P323US	5.5	24	3.64	5.0	3.3	13.5	
	P332US	5.5	21	3.64	5.0	4.9	8.9	
	P323WS	5.75	24	3.64	5.0	3.3	12.9	ML Type Holder
	P333WS	5.75	24	3.64	5.0	4.9	11.3	
	P334WS	5.75	30	3.64	5.0	4.9	17.3	
	P433W	7.75	24	5.03	7.0	4.9	10.8	
	P434W	7.75	30	5.03	7.0	4.9	16.8	

CLAMP BRIDGE

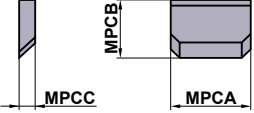
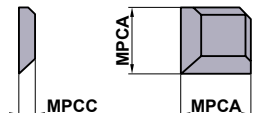
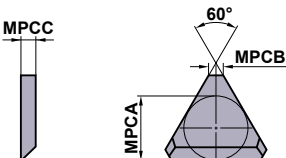
Geometry	Order Number	Dimensions (mm)						Tool Holder
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	AMS3	7	12	3	3.3	—	—	Profile Holder AJX Type Cutter BRE Type Cutter
	AMS4	9	13.5	3	3.8	—	—	
	AMS5	10	15	3.5	5	—	—	
	CA142	8	15	4	7	—	—	
	CA150	9	16	4.5	7	—	—	
	CA151	10	17	5	7	—	—	
	CA152	10	19	5	7	—	—	
	CA153	10	24	5	7	—	—	
	CA161	13	20	6	8	—	—	
	CA162	13	24	6	8	—	—	
	CA163	13	27	6	8	—	—	
	CA181	16	30	8	10	—	—	
CA183	16	37	8	10	—	—		
	CCK13	15	18.5	6	9	—	—	WP Type Holder M Type Boring Bar
	CCK14	19	22	8	9.5	—	—	
	CCTC1	13	25	7	10.2	—	—	
	CK231	M6×1	8	4	7.5	4.5	9.5	MC Type Holder
	CK232	M6×1	8	4.5	8	4.5	11.5	
	CK341	M8×1	11	5.5	13.5	6	13.5	
	CK342	M8×1	11	6	14	6	16.5	

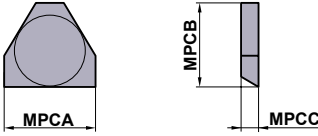
CLAMP BRIDGE

Geometry	Order Number	Dimensions (mm)						Tool Holder
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	CKW6	10.9	22.5	9.2	16.8	5	M8×1	DOUBLE CLAMP Holder (For Heavy Cutting)
	DCK2211 DCK2613 DCK3113	11 13 13	22 26.5 31	6.57 7.35 9	11.1 12.9 14.5	— — —	— — —	DOUBLE CLAMP Holder DOUBLE CLAMP DIMPLE BAR HSK Tool Holder
	KGC1	12.0	15.0	M7×0.75	—	—	—	UG Type Holder
	LK1	8	14.3	4.5	5.9	—	—	
	MHK5NR/L	15.5	23.5	8.1	12.1	—	—	
	MTK1R/L	13	17.5	5	12	—	—	MG Type Holder MT Type Holder MT1 Type Holder HSK Tool Holder MG Type Cartridge
	MTK2R/L	18	28	7	14	—	—	
	SETK51 SETK61	6.8 8.9	14.5 18.1	2.9 4.1	8 8.6	— —	— —	MMTE Type Holder MMTI Type Holder SET Type Holder SNT Type Holder HSK Tool Holder SET Type Cartridge
	SRK1R	9.4	21	5.5	7.5	—	—	SRE Type Cutter
	UCR	12	24	8	7	—	—	

SPARE PARTS

BREAKER PIECE

Geometry	Order Number	Dimensions (mm)					Tool Holder
		MPCA	MPCB	MPCC	IC	LBB	
	CBS3	9.4	8.0	1.5	9.525	1.5	
	CBS4	12.6	9.2	2.5	12.70	3.5	
	CBS4N	12.6	10.2	2.5	12.70	2.5	
	CBS4F	12.6	11.2	2.5	12.70	1.5	
	CBS6	18.9	14.6	2.5	19.05	4.5	
	CBS6N	18.9	16.6	2.5	19.05	2.5	
	CBS6F	18.9	17.6	2.5	19.05	1.5	
	CBS3D	8.0	—	1.5	9.525	1.5	
	CBS4D	10.2	—	2.5	12.70	2.5	
	CBS6D	15.6	—	2.5	19.05	3.5	
	CBT2	5.33	1.4	1.5	6.35	1.5	F Type Boring Bar *For positive inserts, the breaker width is 0.5mm larger than the figures in the list.
	CBT2N	5.67	1.4	1.5	6.35	1.0	
	CBT3	7.20	1.4	2.5	9.525	3.5	
	CBT3N	7.87	1.4	2.5	9.525	2.5	
	CBT3F	8.53	1.4	2.5	9.525	1.5	
	CBT4	9.73	1.4	2.5	12.70	4.5	
	CBT4N	11.07	1.4	2.5	12.70	2.5	
CBT4F	11.73	1.4	2.5	12.70	1.5		

Geometry	Order Number	Dimensions (mm)			MPCD (mm)	Tool Holder
		MPCA	MPCB	MPCC		
	CBT3106	11.5	10.6	2.0	2.5–3.0	
	CBT3113	11.5	11.3	2.0	1.5–2.0	
	CBT3120	11.5	12	2.0	0.75–1.25	
	CBT4108	13.3	10.8	2.0	3.5–4.0	
	CBT4128	13.3	12.8	2.0	4.5–5.0	

ANTI SEIZE LUBRICANT

ANTI SEIZE LUBRICANT

Shape	Order Number	Stock	Volume (g)
	MK1K	★	20
	MK1KS	★	3

Memo

A series of horizontal dashed lines for writing, spanning the width of the page.



www.mitsubishicarbide.com | www.mmc-hardmetal.com

MMC HARTMETALL GMBH

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

MMC HARDMETAL U.K. LTD.

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

MMC METAL FRANCE S.A.R.L.

6, Rue Jacques Monod . 91400 Orsay . France
Phone +33 1 69 35 53 53 . Fax +33 1 69 35 53 50
Email mmfsales@mmc-metal-france.fr

MITSUBISHI MATERIALS ESPAÑA, S.A.

Calle Emperador 2 . 46136 Museros/Valencia . Spain
Phone +34 96 1441711 . Fax +34 96 1443786
Email mme@mmevalencia.com

MMC HARTMETALL GMBH ALMANYA – İZMİR MERKEZ ŞUBESİ

Adalet Mahallesi Anadolu Caddesi No: 41-1 . 15001 35580 Bayraklı/İzmir . Turkey
Phone +90 232 5015000 . Fax +90 232 5015007
Email info@mmchg.com.tr

MMC HARDMETAL POLAND SP. Z O. O.

Al. Armii Krajowej 61 . 50-541 Wrocław . Poland
Phone +48 71335 1620 . Fax +48 71335 1621
Email sales@mitsubishicarbide.com.pl

MMC HARDMETAL RUSSIA 000 LTD.

Electrozavodskaya Str. 24 . build. 3 107023 Moscow . Russia
Phone +7 495 7255885 . Fax +7 495 9813979
Email info@mmc-carbide.ru

MMC ITALIA S. R. L.

Via Montefeltro 6/A . 20156 Milano . Italy
Phone +39 0293 77031 . Fax +39 0293 589093
Email info@mmc-italia.it

DISTRIBUTED BY:

□ □

└ ┘