

























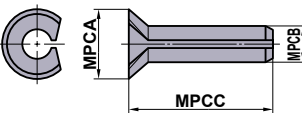
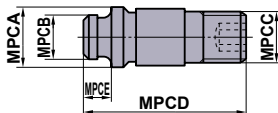
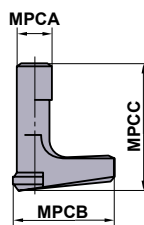
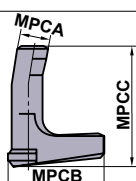
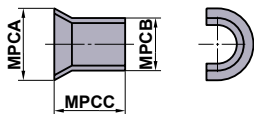
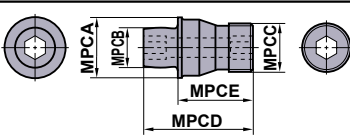


# PIÈCES DÉTACHÉES

## ASSISE

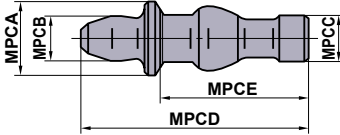
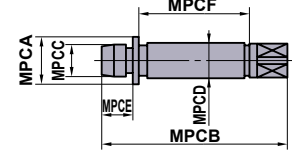
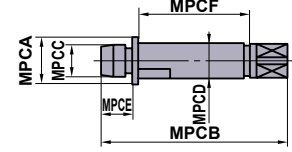
Géométrie	Référence	Dimensions (mm)						Porte-outil
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	PV321	9.52	3.18	0.4	0.4	—	—	Porte-outil type MP
	PV322	9.52	3.18	0.8	0.8	—	—	
	PV323	9.52	3.18	1.2	1.2	—	—	
	SPSVN32	8.06	3.18	0.3	0.3	—	—	Porte-outil type SP Porte-outil HSK
	STASX400N	11.00	3.00	0.4	0.4	0.4	0.4	Type de fraise ASX400
	STASX445N	10.76	3.00	—	—	—	—	Type de fraise ASX445
	STBS500N	12.7	3.18	0.8	0.8	0.8	0.8	
	WPSTN33	9.3	4.76	0.8	0.4	1.2	—	Porte-outil type WP
	WPSTN43	12.50	4.76	0.8	0.4	1.2	—	
	* WPSWC43	12.50	4.76	0.4	0.8	1.2	—	Barre d'alésage M
	WPSWN43	12.50	4.76	0.4	0.8	1.2	—	Porte-outil type WP

## GOUPILLE / LEVIER

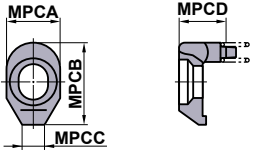
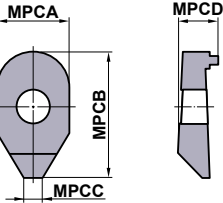
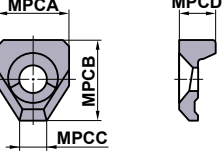
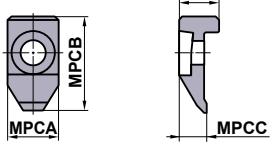
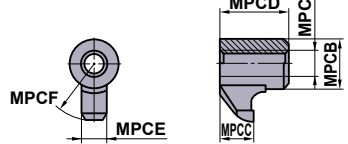
Géométrie	Référence	Dimensions (mm)					Porte-outil
		MPCA	MPCB	MPCC	MPCD	MPCE	
	<b>BCP141</b>	3.0	1.4	5.6	—	—	Porte-outil type <b>SP</b>
	<b>BCP201</b>	4.3	2	7.4	—	—	Barre d'alésage <b>F</b>
	<b>BCP202</b>	4.3	2	6.4	—	—	Porte-outil <b>HSK</b>
	<b>BCP251</b>	4.8	2.5	7.4	—	—	
	<b>BCP252</b>	4.8	2.5	6.4	—	—	
	<b>BCP301</b>	5.3	3	7.4	—	—	
	<b>BCP401</b>	6.3	4	7.4	—	—	
	<b>CCP33</b>	6.5	3.66	M5×0.8	18.5	3	Porte-outil <b>WP</b>
	<b>CCP34</b>	7.5	5.0	M6×1.0	18.5	3	Barre d'alésage <b>M</b>
	<b>CCP44</b>	7.5	5.0	M5×0.8	14.2	3	
	<b>LLCL12S</b>	2.1	9.3	5.6	—	—	Porte-outil type <b>LL</b>
	<b>LLCL13</b>	3.6	10	12.5	—	—	Barre d'alésage <b>P</b>
	<b>LLCL13S</b>	3.6	10	7.8	—	—	Porte-outil <b>HSK</b>
	<b>LLCL14</b>	4.7	13.4	13.2	—	—	Type de fraise <b>KSMG</b>
	<b>LLCL14S</b>	4.7	13.6	12.2	—	—	
	<b>LLCL15</b>	6.0	19	17	—	—	
	<b>LLCL16</b>	7.5	20.8	21	—	—	
	<b>LLCL18</b>	8.6	25.4	25.2	—	—	
	<b>LLCL23</b>	3.6	12.0	11.5	—	—	
	<b>LLCL23S</b>	3.6	11.6	9.5	—	—	
	<b>LLCL24</b>	4.7	16.2	14.8	—	—	
	<b>LLCL25</b>	6.0	17.1	17	—	—	
		<b>LLCL110</b>	3.0	10.7	11.6	—	—
<b>LLCL112</b>		3.5	13	13.5	—	—	
<b>LLCL116</b>		4.5	18.5	18	—	—	
<b>LLCL120</b>		5.6	20.3	19	—	—	
<b>LLCL125</b>		6	24	24	—	—	
<b>LLCL132</b>		8	30	27	—	—	
	<b>LLP13</b>	5.55	4.85	5.3	—	—	Porte-outil type <b>LL</b>
	<b>LLP14</b>	7.25	6.55	5.8	—	—	Porte-outil <b>DOUBLE-FORCE</b>
	<b>LLP15</b>	8.8	8.05	8.6	—	—	<b>BARRE D'ALÉSAGE DIMPLE BAR</b>
	<b>LLP16</b>	10.85	9.85	11.1	—	—	Barre d'alésage <b>P</b>
	<b>LLP18</b>	15.35	13.05	12.0	—	—	Porte-outil <b>HSK</b>
	<b>LLP23</b>	5.55	4.85	6.8	—	—	Type de fraise <b>KSMG</b>
	<b>LLP24</b>	7.25	6.55	9.1	—	—	
	<b>MP6</b>	11.9	7.8	M10×1	22.1	15	Porte-outil <b>DOUBLE-FORCE</b> (pour coupe difficile)

# PIÈCES DÉTACHÉES

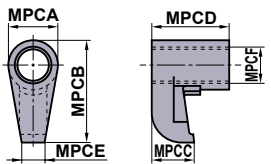
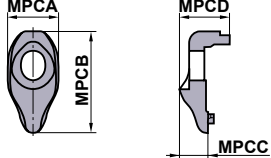
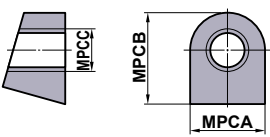
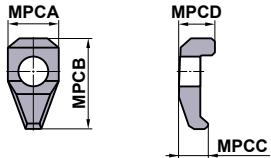
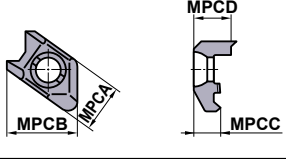
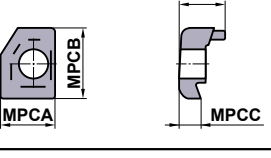
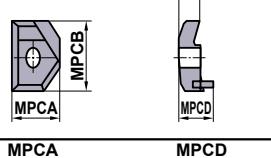
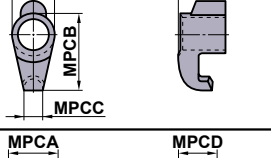
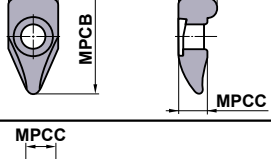
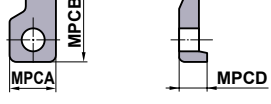
## GOUPILLE DE FIXATION

Géométrie	Référence	Dimensions (mm)						Porte-outil
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	<b>P11S</b>	6	3.7	4	17	11.1	—	Porte-outil type <b>MP</b>
	<b>P21S</b>	7.5	4.9	4.5	17.2	11.5	—	
	<b>P221US</b>	4	18	2.11	3.5	3.3	7.7	Porte-outil type <b>ML</b>
	<b>P321US</b>	5.5	18	3.64	5.0	3.3	7.5	
	<b>P322US</b>	5.5	21	3.64	5.0	3.3	10.5	
	<b>P323US</b>	5.5	24	3.64	5.0	3.3	13.5	
	<b>P332US</b>	5.5	21	3.64	5.0	4.9	8.9	
	<b>P323WS</b>	5.75	24	3.64	5.0	3.3	12.9	Porte-outil type <b>ML</b>
	<b>P333WS</b>	5.75	24	3.64	5.0	4.9	11.3	
	<b>P334WS</b>	5.75	30	3.64	5.0	4.9	17.3	
	<b>P433W</b>	7.75	24	5.03	7.0	4.9	10.8	
	<b>P434W</b>	7.75	30	5.03	7.0	4.9	16.8	

## BRIDE DE SERRAGE

Géométrie	Référence	Dimensions (mm)						Porte-outil
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	<b>AMS3</b>	7	12	3	3.3	—	—	Porte-outil <b>Profil</b> Type de fraise <b>AJX</b> Type de fraise <b>BRE</b>
	<b>AMS4</b>	9	13.5	3	3.8	—	—	
	<b>AMS5</b>	10	15	3.5	5	—	—	
	<b>CA142</b>	8	15	4	7	—	—	
	<b>CA150</b>	9	16	4.5	7	—	—	
	<b>CA151</b>	10	17	5	7	—	—	
	<b>CA152</b>	10	19	5	7	—	—	
	<b>CA153</b>	10	24	5	7	—	—	
	<b>CA161</b>	13	20	6	8	—	—	
	<b>CA162</b>	13	24	6	8	—	—	
	<b>CA163</b>	13	27	6	8	—	—	
	<b>CA181</b>	16	30	8	10	—	—	
<b>CA183</b>	16	37	8	10	—	—		
	<b>CCK13</b>	15	18.5	6	9	—	—	Porte-outil type <b>WP</b> Barre d'alésage <b>M</b>
	<b>CCK14</b>	19	22	8	9.5	—	—	
	<b>CCTC1</b>	13	25	7	10.2	—	—	
	<b>CK231</b>	M6×1	8	4	7.5	4.5	9.5	Porte-outil type <b>MC</b>
	<b>CK232</b>	M6×1	8	4.5	8	4.5	11.5	
	<b>CK341</b>	M8×1	11	5.5	13.5	6	13.5	
	<b>CK342</b>	M8×1	11	6	14	6	16.5	

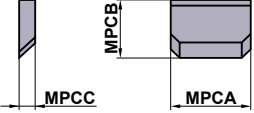
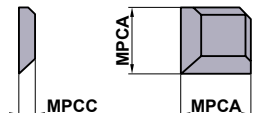
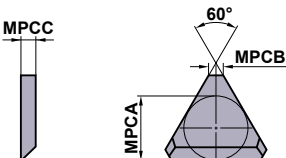
## BRIDE DE SERRAGE

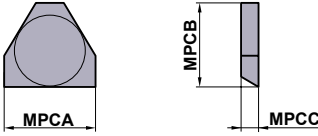
Géométrie	Référence	Dimensions (mm)						Porte-outil
		MPCA	MPCB	MPCC	MPCD	MPCE	MPCF	
	<b>CKW6</b>	10.9	22.5	9.2	16.8	5	M8×1	Porte-outil <b>DOUBLE-FORCE</b> (pour coupe difficile)
	<b>DCK2211</b> <b>DCK2613</b> <b>DCK3113</b>	11 13 13	22 26.5 31	6.57 7.35 9	11.1 12.9 14.5	— — —	— — —	Porte-outil <b>DOUBLE-FORCE</b> <b>BARRE D'ALÉSAGE DIMPLE BAR</b> Porte-outil <b>HSK</b>
	<b>KGC1</b>	12.0	15.0	M7×0.75	—	—	—	Porte-outil type <b>UG</b>
	<b>LK1</b>	8	14.3	4.5	5.9	—	—	
	<b>MHK5NR/L</b>	15.5	23.5	8.1	12.1	—	—	
	<b>MTK1R/L</b>	13	17.5	5	12	—	—	Porte-outil type <b>MG</b> Porte-outil type <b>MT</b> Porte-outil type <b>MT1</b> Porte-outil <b>HSK</b> Type de cartouche <b>MG</b>
	<b>MTK2R/L</b>	18	28	7	14	—	—	
	<b>SETK51</b> <b>SETK61</b>	6.8 8.9	14.5 18.1	2.9 4.1	8 8.6	— —	— —	Porte-outil type <b>MMTE</b> Porte-outil type <b>MMT1</b> Porte-outil type <b>SET</b> Porte-outil type <b>SNT</b> Porte-outil <b>HSK</b> Type de cartouche <b>SET</b>
	<b>SRK1R</b>	9.4	21	5.5	7.5	—	—	Type de fraise <b>SRE</b>
	<b>UCR</b>	12	24	8	7	—	—	



# PIÈCES DÉTACHÉES



## BRISE-COPEAUX

Géométrie	Référence	Dimensions (mm)					Porte-outil
		MPCA	MPCB	MPCC	IC	LBB	
	<b>CBS3</b>	9.4	8.0	1.5	9.525	1.5	
	<b>CBS4</b>	12.6	9.2	2.5	12.70	3.5	
	<b>CBS4N</b>	12.6	10.2	2.5	12.70	2.5	
	<b>CBS4F</b>	12.6	11.2	2.5	12.70	1.5	
	<b>CBS6</b>	18.9	14.6	2.5	19.05	4.5	
	<b>CBS6N</b>	18.9	16.6	2.5	19.05	2.5	
	<b>CBS6F</b>	18.9	17.6	2.5	19.05	1.5	
	<b>CBS3D</b>	8.0	—	1.5	9.525	1.5	
	<b>CBS4D</b>	10.2	—	2.5	12.70	2.5	
	<b>CBS6D</b>	15.6	—	2.5	19.05	3.5	
	<b>CBT2</b>	5.33	1.4	1.5	6.35	1.5	Barre d'alésage F * Pour les plaquettes positives, la largeur du brise-copeaux est 0.5mm plus grande que ce qui est représenté dans la liste.
	<b>CBT2N</b>	5.67	1.4	1.5	6.35	1.0	
	<b>CBT3</b>	7.20	1.4	2.5	9.525	3.5	
	<b>CBT3N</b>	7.87	1.4	2.5	9.525	2.5	
	<b>CBT3F</b>	8.53	1.4	2.5	9.525	1.5	
	<b>CBT4</b>	9.73	1.4	2.5	12.70	4.5	
	<b>CBT4N</b>	11.07	1.4	2.5	12.70	2.5	
	<b>CBT4F</b>	11.73	1.4	2.5	12.70	1.5	

Géométrie	Référence	Dimensions (mm)			MPCD (mm)	Porte-outil
		MPCA	MPCB	MPCC		
	<b>CBT3106</b>	11.5	10.6	2.0	2.5–3.0	
	<b>CBT3113</b>	11.5	11.3	2.0	1.5–2.0	
	<b>CBT3120</b>	11.5	12	2.0	0.75–1.25	
	<b>CBT4108</b>	13.3	10.8	2.0	3.5–4.0	
	<b>CBT4128</b>	13.3	12.8	2.0	4.5–5.0	

# ANTI-GRIPPANT

## ANTI-GRIPPANT

Forme	Référence	Stock	Volume (g)
	MK1K	★	20
	MK1KS	★	3

# Notes

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A series of horizontal dashed lines for writing notes.



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