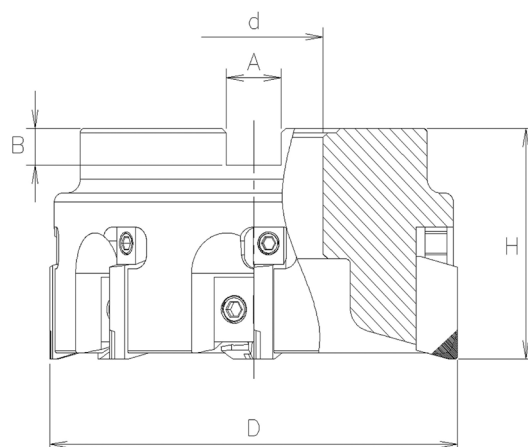


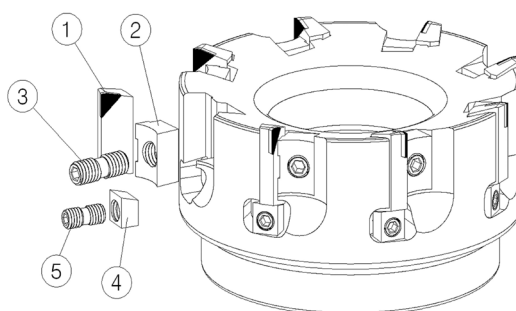
HPA - I

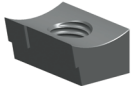
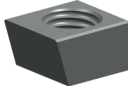


Turning & Milling

Type	Dimensions (mm)						Weight (kg)	Insert	Arbor
	ØD	Ød	A	B	H				
HPA 025R-I09	63	22	10	6	50	6	0.5	HPA-I09	FMA 22
HPA 03R-I09	80	25.4	9.5	6	50	8	0.7		FMA 25.4
HPA 04R-I09	100	31.75	12.7	8	63	10	1.4		FMA 31.75
HPA 05R-I09	125	38.1	15.9	10	63	12	1.8		FMA 38.1
HPA 06R-I09	160	50.8	19.05	11	63	14	2.4		FMA 50.8
HPA 08R-I09	200	47.625	25.4	14	63	16	3.5		FMA 47.625
HPA 10R-I09	250	47.625	25.4	14	63	18	4.8		FMA 47.625

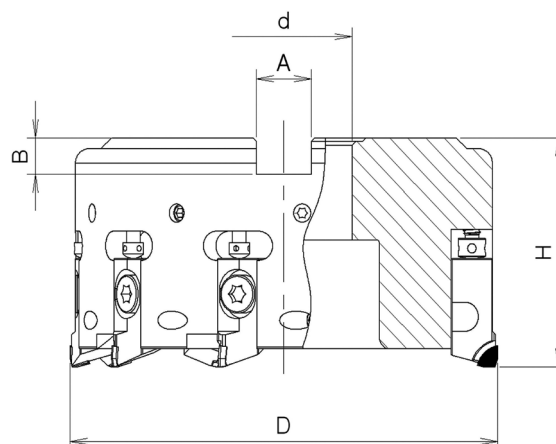
COMPONENT



Spare parts				
① Insert	② Wedge	③ Wedge Screw	④ Adjust Wedge	⑤ Adjust Wedge Screw
				
HPA-I09	DT-ST01	WS6-16	DT-ST02	WS5-11

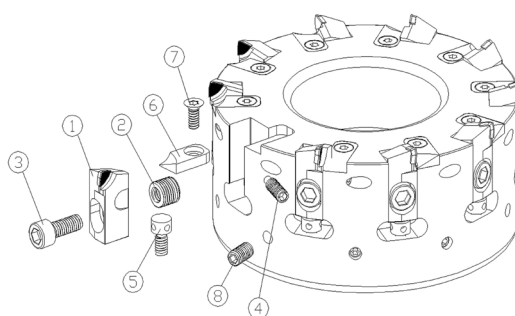
ALUMINUM CUTTER

HPA - H



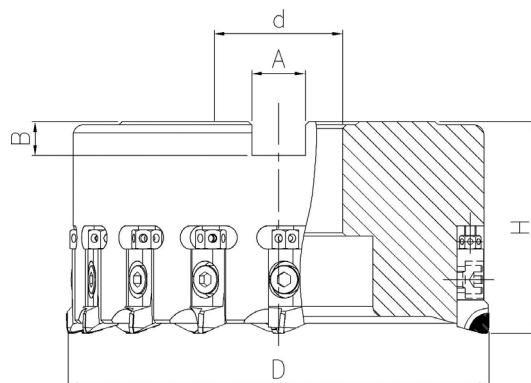
Type	Dimensions (mm)						Weight (kg)	Insert	Arbor
	ØD	Ød	A	B	H				
HPA 025R-H10	63	22	10	6	50	4	0.5	ROUGH HPA 10CA-R WIPER HPA 10CA-W	FMA 22
HPA 03R-H10	80	25.4	9.5	6	50	6	0.7		FMA 25.4
HPA 04R-H10	100	31.75	12.7	8	50	7	2.2		FMA 31.75
HPA 05R-H10	125	38.1	15.9	10	63	10	1.4		FMA 38.1
HPA 06R-H10	160	50.8	19.05	11	63	12	2.5		FMA 50.8
HPA 08R-H10	200	47.625	25.4	14	63	14	3.5		FMA 47.625
HPA 10R-H10	250	47.625	25.4	14	63	18	4.9		FMA 47.625

COMPONENT



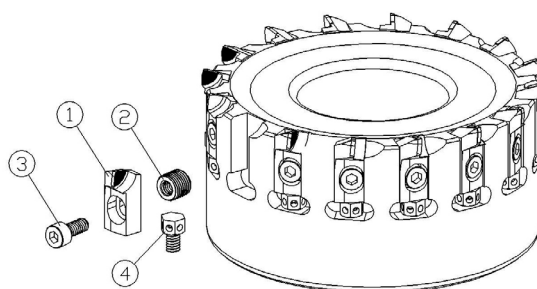
Spare parts				
① Cartridge	① Cartridge	② Double Screw	③ Clamp Screw	④ Side Clamp Screw
HPA 10CA-R	HPA 10CA-W	H108	M6×15	M6×16
⑤ Adjust Screw	⑥ Chip Cover	⑦ Chip Cover Screw	⑧ Balancing Screw	
AJM 5F	HC-R/L	M4×10	M6×10	

HPA - M



Type	Dimensions (mm)						Weight (kg)	Insert	Arbor
	ØD	Ød	A	B	H				
HPA 03R-M10	80	25.4	9.5	6	50	10	0.8	ROUGH HPA 08CA-R WIPER HPA 08CA-W	FMA 25.4
HPA 04R-M10	100	31.75	12.7	8	50	12	1.2		FMA 31.75
HPA 05R-M10	125	38.1	15.9	10	63	14	2.2		FMA 38.1
HPA 06R-M10	160	50.8	19.05	11	63	18	2.8		FMA 50.8
HPA 08R-M10	200	47.625	25.4	14	63	24	4.5		FMA 47.625
HPA 10R-M10	250	47.625	25.4	14	63	30	7		FMA 47.625

COMPONENT



Spare parts				
① Cartridge	① Cartridge	② Double Screw	③ Clamp Screw	④ Adjust Screw
HPA 08CA-R	HPA 08CA-W	H107	M5x12	AJM 5F