

METAL



ALUMINIUM



STAINLESS STEEL



TOOL STEEL



LOW CARBON STEEL

MATERIAL	THICKNESS	WAZER PRO		WAZER DESKTOP	
		CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
Aluminum	1 mm	324 mmpm	1 sec	117 mmpm	3 sec
	2 mm	162 mmpm	2 sec	64 mmpm	9 sec
	3 mm	108 mmpm	6 sec	45 mmpm	18 sec
	6 mm	54 mmpm	27 sec	25 mmpm	1m 6s
	13 mm (Max Desktop)	25 mmpm	2m 10s	13 mmpm	4m 57s
	19 mm	17 mmpm	4m 37s	Too thick for Desktop	
	25.4 mm (Max Pro)	13 mmpm	8m 15s	Too thick for Desktop	
Brass	0.5 mm	276 mmpm	5 sec	83 mmpm	4 sec
	1 mm	155 mmpm	5 sec	50 mmpm	7 sec
	2 mm	87 mmpm	7 sec	30 mmpm	16 sec
	3 mm	62 mmpm	10 sec	22 mmpm	31 sec
	6 mm (Max Desktop)	35 mmpm	27 sec	12 mmpm	2m 5s
	13 mm	19 mmpm	1m 48s	Too thick for Desktop	
	19 mm (Max Pro)	14 mmpm	3m 43s	Too thick for Desktop	
Copper	0.5 mm	190 mmpm	1 sec	69 mmpm	2 sec
	1 mm	106 mmpm	1 sec	40 mmpm	4 sec
	2 mm	59 mmpm	7 sec	23 mmpm	17 sec
	3 mm	42 mmpm	18 sec	17 mmpm	40 sec
	4 mm (Max Desktop)	33 mmpm	33 sec	13 mmpm	1m 15s
	6 mm	24 mmpm	1m 13s	Too thick for Desktop	
	13 mm (Max Pro)	12 mmpm	5m 23s	Too thick for Desktop	

METAL

		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
Mild Steel	0.5 mm	177 mmpm	1 sec	67 mmpm	2 sec
	1 mm	96 mmpm	1 sec	41 mmpm	5 sec
	2 mm	52 mmpm	7 sec	25 mmpm	17 sec
	3 mm	37 mmpm	17 sec	19 mmpm	37 sec
	5 mm (Max Desktop)	23 mmpm	52 sec	13 mmpm	1m 42s
	6 mm	20 mmpm	1m 17s	Too thick for Desktop	
	10 mm (Max Pro)	13 mmpm	3m 45s	Too thick for Desktop	
Stainless Steel	0.5 mm	181 mmpm	2 sec	61 mmpm	1 sec
	1 mm	96 mmpm	5 sec	37 mmpm	4 sec
	2 mm	51 mmpm	14 sec	23 mmpm	18 sec
	3 mm	35 mmpm	23 sec	17 mmpm	45 sec
	5 mm (Max Desktop)	22 mmpm	42 sec	12 mmpm	2m 15s
	6 mm	19 mmpm	54 sec	Too thick for Desktop	
	10 mm (Max Pro)	12 mmpm	3m 6s	Too thick for Desktop	
Titanium	0.5 mm	184 mmpm	1 sec	84 mmpm	2 sec
	1 mm	100 mmpm	2 sec	47 mmpm	3 sec
	2 mm	54 mmpm	6 sec	26 mmpm	13 sec
	3 mm	38 mmpm	13 sec	19 mmpm	34 sec
	5 mm (Max Desktop)	24 mmpm	36 sec	12 mmpm	1m 47s
	6 mm	20 mmpm	51 sec	Too thick for Desktop	
	10 mm (Max Pro)	13 mmpm	2m 40s	Too thick for Desktop	
Tool Steel	0.5 mm	121 mmpm	3 sec	56 mmpm	2 sec
	1 mm	68 mmpm	4 sec	34 mmpm	5 sec
	2 mm	38 mmpm	6 sec	20 mmpm	22 sec
	3 mm	27 mmpm	13 sec	15 mmpm	34 sec
	4 mm (Max Desktop)	21 mmpm	27 sec	12 mmpm	1m 36s
	6 mm	15 mmpm	1m 26s	Too thick for Desktop	
	8 mm (Max Pro)	12 mmpm	3m 3s	Too thick for Desktop	

GLASS



BORO GLASS

		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
Borosilicate Glass	1 mm	1500 mmpm	1 sec	1500 mmpm	1 sec
	2 mm	1500 mmpm	1 sec	771 mmpm	1 sec
	3 mm	1037 mmpm	1 sec	333 mmpm	1 sec
	6 mm	360 mmpm	3 sec	79 mmpm	8 sec
	14 mm (Max Desktop)	99 mmpm	22 sec	14 mmpm	1m 2s
	19 mm	62 mmpm	41 sec	Too thick for Desktop	
	25.4 mm (Max Pro)	40 mmpm	1m 13s	Too thick for Desktop	
Soda Lime Glass	1 mm	1500 mmpm	2 sec	1136 mmpm	2 sec
	2 mm	1490 mmpm	2 sec	402 mmpm	2 sec
	3 mm	841 mmpm	2 sec	219 mmpm	3 sec
	6 mm	316 mmpm	4 sec	77 mmpm	9 sec
	13 mm	106 mmpm	15 sec	24 mmpm	43 sec
	20 mm (Max Desktop)	58 mmpm	36 sec	13 mmpm	1m 45s
	22 mm	51 mmpm	43 sec	Too thick for Desktop	
	25.4 mm (Max Pro)	41 mmpm	57 sec	Too thick for Desktop	

PLASTIC

		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
Acrylic	1 mm	1500 mmpm	1 sec	478 mmpm	2 sec
	2 mm	694 mmpm	1 sec	196 mmpm	3 sec
	3 mm	401 mmpm	2 sec	116 mmpm	5 sec
	6 mm	157 mmpm	8 sec	47 mmpm	18 sec
	13 mm	55 mmpm	40 sec	17 mmpm	1m 25s
	17 mm (Max Desktop)	38 mmpm	1m 11s	12 mmpm	2m 27s
	19 mm	33 mmpm	1m 30s	Too thick for Desktop	
	25.4 mm (Max Pro)	22 mmpm	2m 44s	Too thick for Desktop	

PLASTIC



		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
HDPE	1 mm	1500 mmpm	1 sec	363 mmpm	2 sec
	2 mm	1387 mmpm	1 sec	163 mmpm	4 sec
	3 mm	707 mmpm	1 sec	102 mmpm	7 sec
	6 mm	224 mmpm	10 sec	46 mmpm	23 sec
	13 mm	62 mmpm	54 sec	19 mmpm	1m 37s
	18 mm (Max Desktop)	36 mmpm	1m 45s	13 mmpm	3m 3s
	22 mm	26 mmpm	2m 39s	Too thick for Desktop	
	25.4 mm (Max Pro)	20 mmpm	3m 33s	Too thick for Desktop	
Polycarbonate	1 mm	1415 mmpm	1 sec	267 mmpm	2 sec
	2 mm	521 mmpm	1 sec	118 mmpm	4 sec
	3 mm	291 mmpm	5 sec	73 mmpm	8 sec
	6 mm	107 mmpm	24 sec	32 mmpm	36 sec
	13 mm (Max Desktop)	35 mmpm	1m 33s	13 mmpm	3m 5s
	19 mm	20 mmpm	2m 58s	Too thick for Desktop	
	25.4 mm (Max Pro)	13 mmpm	4m 55s	Too thick for Desktop	

COMPOSITES



		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
Carbon Fiber	0.5 mm	1500 mmpm	1 sec	209 mmpm	2 sec
	1 mm	1500 mmpm	1 sec	106 mmpm	4 sec
	2 mm	742 mmpm	1 sec	52 mmpm	12 sec
	3 mm	455 mmpm	1 sec	34 mmpm	26 sec
	6 mm	197 mmpm	4 sec	16 mmpm	1m 43s
	8 mm (Max Desktop)	139 mmpm	8 sec	12 mmpm	3m 3s
	13 mm	77 mmpm	25 sec	Too thick for Desktop	
	25.4 mm (Max Pro)	34 mmpm	1m 39s	Too thick for Desktop	

TILE



MARBLE

		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
Ceramic Tile	3 mm	942 mmpm	3 sec	91 mmpm	2 sec
	6 mm	286 mmpm	5 sec	50 mmpm	7 sec
	10 mm	119 mmpm	14 sec	32 mmpm	16 sec
	13 mm (Max Desktop)	76 mmpm	26 sec	26 mmpm	1m 46s
	19 mm	39 mmpm	1m 5s	Too thick for Desktop	
	25.4 mm (Max Pro)	24 mmpm	2m 3s	Too thick for Desktop	
Porcelain Tile	3 mm	942 mmpm	3 sec	91 mmpm	2 sec
	6 mm	286 mmpm	5 sec	50 mmpm	7 sec
	10 mm	119 mmpm	14 sec	32 mmpm	16 sec
	13 mm (Max Desktop)	76 mmpm	26 sec	26 mmpm	1m 46s
	19 mm	39 mmpm	1m 5s	Too thick for Desktop	
	25.4 mm (Max Pro)	24 mmpm	2m 3s	Too thick for Desktop	
Marble Tile	3 mm	1139 mmpm	1 sec	91 mmpm	2 sec
	6 mm	331 mmpm	1 sec	50 mmpm	7 sec
	10 mm	133 mmpm	8 sec	32 mmpm	16 sec
	13 mm (Max Desktop)	84 mmpm	16 sec	26 mmpm	1m 46s
	19 mm	43 mmpm	35 sec	Too thick for Desktop	
	25.4 mm (Max Pro)	25 mmpm	1m 0s	Too thick for Desktop	
Granite Tile	3 mm	430 mmpm	9 sec	91 mmpm	2 sec
	6 mm	151 mmpm	12 sec	50 mmpm	7 sec
	10 mm	70 mmpm	19 sec	32 mmpm	16 sec
	13 mm (Max Desktop)	47 mmpm	27 sec	26 mmpm	1m 46s
	19 mm	26 mmpm	52 sec	Too thick for Desktop	
	25.4 mm (Max Pro)	17 mmpm	1m 31s	Too thick for Desktop	

RUBBER



		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
50A Neoprene	2 mm	1500 mmpm	1 sec	1500 mmpm	1 sec
	3 mm	1500 mmpm	1 sec	994 mmpm	1 sec
	6 mm	1500 mmpm	2 sec	173 mmpm	2 sec
	13 mm	254 mmpm	6 sec	24 mmpm	48 sec
	17 mm (Max Desktop)	116 mmpm	9 sec	12 mmpm	3m 2s
	19 mm	84 mmpm	12 sec	Too thick for Desktop	
	25.4 mm (Max Pro)	36 mmpm	25 sec	Too thick for Desktop	
50A Silicone	2 mm	1500 mmpm	1 sec	1500 mmpm	1 sec
	3 mm	1500 mmpm	1 sec	1500 mmpm	1 sec
	6 mm	1500 mmpm	1 sec	643 mmpm	1 sec
	13 mm	686 mmpm	5 sec	56 mmpm	38 sec
	21 mm (Max Desktop)	142 mmpm	52 sec	12 mmpm	9m 11s
	23 mm	105 mmpm	1m 20s	Too thick for Desktop	
	25.4 mm (Max Pro)	76 mmpm	2m 5s	Too thick for Desktop	
60A Polyurethane	1 mm	1500 mmpm	1 sec	1500 mmpm	1 sec
	2 mm	1500 mmpm	1 sec	1500 mmpm	1 sec
	3 mm	1500 mmpm	1 sec	989 mmpm	1 sec
	6 mm	1500 mmpm	1 sec	95 mmpm	6 sec
	11 mm (Max Desktop)	1186 mmpm	3 sec	12 mmpm	56 sec
	13 mm	686 mmpm	5 sec	Too thick for Desktop	
	25.4 mm (Max Pro)	76 mmpm	2m 5s	Too thick for Desktop	

FOAM

		WAZER PRO		WAZER DESKTOP	
MATERIAL	THICKNESS	CUT RATE	PIERCE TIME	CUT RATE	PIERCE TIME
Polyurethane Foam	13 mm	1500 mmpm	5 sec	1000 mmpm	1 sec
	25.4 mm (Max Pro/Desktop)	1500 mmpm	5 sec	960 mmpm	1 sec