makers manual

Drill Speed Chart

Recommended RPM by Bit Type & Material

Bit Size	Softwood	Hardwood	Acrylic	Brass	Aluminium	Steel
Twist Drill Bit						
Ø 1mm - 5mm	3000	3000	2500	3000	3000	3000
Ø 6mm - 10mm	3000	1500	2000	1200	2500	1000
Ø 11mm - 15mm	1500	750	1500	750	1500	600
Ø 16mm - 25mm	750	500	na	400	1000	350
Brad Point Drill Bit						
Ø 3mm - 9mm	1800	1000	1500	na		
Ø 10mm - 15mm	1800	750	1500	na		
Ø 16mm - 20mm	1400	250	750	na		
Ø 21mm - 25mm	1200	250	250	na		
Forstner Bit						
Ø 6mm - 10mm	2400	700	na			
Ø 11mm - 17mm	2400	500	250	na		
Ø 18mm - 25mm	1500	500	250	na		
Ø 26mm - 32mm	1000	250	250	na		
Ø 33mm - 50mm	500	250	na			
Holesaw						
Ø 16mm - 50mm	1000-500	350	1000	350	500	250
Ø 51mm - 100mm	500-250	250	500	200	250	150
Ø 101mm +	250	na	500	100	100	50
Spade Bit						
Ø 6mm - 13mm	2000	1500	na			
Ø 14mm - 25mm	1750	1500	na			
Ø 26mm - 38mm	1500	1000	na			
Countersink						
All Sizes	1000	750	750	250	250	250
Plug Cutters						
All Sizes	1000	500	na			