DRILL ø	MATERIAL	TESTING TOOL	SPEED / TORQUE RECORDED	SPEED	PRESSURE	IMPACT	HOLES	BLUNT / RETIRED	TIME TEST - DRILLING 5 HOLES	NOTES:
5.0mm	Aluminium Flat Bar 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	High speed / High feed	High (up to 2,600rpm)	Med - High	N/A	2000+	N/A	N/A	
5.0mm	Aluminium Flat Bar 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	High speed / High feed	High (up to 3,200rpm)	Med - High	Med	1020	Retired	0:37	Still drilling fine - potential to do 3000+ holes
8.0mm	Aluminium Flat Bar 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	High speed / High feed	High (up to 2,600rpm)	Med - High	N/A	856	Retired	1:10	Still drilling fine - potential to do 3000+ holes
8.0mm	Aluminium Flat Bar 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	High speed / High feed	High (up to 3,200rpm)	Med - High	Med	426	Retired	0:37	Still drilling fine - potential to do 2000+ holes
12.0mm	Aluminium Flat Bar 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	High speed / High feed	High (up to 2,600rpm)	Med - High	N/A	524	Blunt	1:30	Still drilling fine - potential to do 1500+ holes
12.0mm	Aluminium Flat Bar 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	High speed / High Impact	High (up to 3,200rpm)	Med - High	High	958	Retired	1:47	
5.0mm	Zinc Steel Sheet 0.8mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Flat out - Light Pressure	High (up to 2,600rpm)	Light	N/A	2000+	N/A	0:12	
5.0mm	Zinc Steel Sheet 0.8mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery		High (up to 3,200rpm)	Light	Low	2000+	N/A	N/A	No advantage on using Impact
8.0mm	Zinc Steel Sheet 0.8mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	High Speed / Light Pressure	High (up to 2,600rpm)	Light	N/A	2000+	Retired	0:14	
8.0mm	Zinc Steel Sheet 0.8mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery		High (up to 3,200rpm)	Light	Low	2000+	N/A	N/A	
12.0mm	Zinc Steel Sheet 0.8mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	High speed / Medium Pressure	High (up to 2,600rpm)	Light - Med	N/A	2000+	Retired	0:27	
12.0mm	Zinc Steel Sheet 0.8mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery		High (up to 3,200rpm)	Light	High	2000+	N/A	N/A	
5.0mm	Mild Steel Flat Bar 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Speed 2 / Fast	High (up to 2,600rpm)	Light - Med	N/A	850	Blunt	0:46	
5.0mm	Mild Steel Flat Bar 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Flat out / High Impact	Max (up to 3,700rpm)	High	High	426	Blunt	0:39	
8.0mm	Mild Steel Flat Bar 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Fast Speed / Medium Pressure	High (up to 2,600rpm)	Med	N/A	351	Retired	1:12	
8.0mm	Mild Steel Flat Bar 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Fast Flat out	Max (up to 3,700rpm)	High	High	140	Blunt	0:59	
12.0mm	Mild Steel Flat Bar 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Speed 2	High (up to 2,600rpm)	Med	N/A	361	Retired	1:12	Approx. 3/4 of Speed 2 optimal
12.0mm	Mild Steel Flat Bar 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	High speed / High Impact	High (up to 3,200rpm)	High	High	67	Blunt	1:08	Caution needed due to hot swarf
5.0mm	Mild Steel Flat Bar 6.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	3/4 Speed 2	Med - High (up to 2,400rpm)	Light - Med	N/A	300	Retired	1:47	Still drilling fine - potential to do 400+ holes
5.0mm	Mild Steel Flat Bar 6.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Fast / High Impact	High (up to 3,200rpm)	Med	High	437	Retired	1:37	Still drilling fine - potential to do 600+ holes
8.0mm	Mild Steel Flat Bar 6.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	3/4 High Speed	Med - High (up to 2,400rpm)	Med	N/A	193	Blunt	1:43	
8.0mm	Mild Steel Flat Bar 6.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Flat out	High (up to 3,200rpm)	Med	High	72	N/A	1:40	
12.0mm	Mild Steel Flat Bar 6.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Drill Speed 2	Med - High (up to 2,400rpm)	Med	N/A	212	Blunt	1:43	
12.0mm	Mild Steel Flat Bar 6.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	High speed / High Impact	High (up to 3,200rpm)	Med	High	17	Blunt	2:00	
5.0mm	Mild Steel Flat Bar 10.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Flat out / Med Pressure	High (up to 2,600rpm)	Med	N/A	414	Blunt	2:20	Double Dipped lubricant
5.0mm	Mild Steel Flat Bar 10.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Fast Speed / Light Pressure	High (up to 3,200rpm)	Light - Med	High	180	Blunt	1:37	
8.0mm	Mild Steel Flat Bar 10.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Flat out / Medium Pressure	High (up to 2,600rpm)	Med	N/A	182	Retired	3:40	
8.0mm	Mild Steel Flat Bar 10.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Flat out / High Impact / Light Pressure	High (up to 3,200rpm)	Med	High	30	Blunt	3:40	
12.0mm	Mild Steel Flat Bar 10.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	50% of fast	Med (up to 1,500rpm)	Med	N/A	48	Blunt	4:03	Continual lubrication needed
12.0mm	Mild Steel Flat Bar 10.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	75% Max Speed	High (up to 2,400rpm)	Med	High	5	Blunt	5:36	Continual lubrication needed
5.0mm	Stainless Sheet SS316 0.8mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Drill setting / Speed 2	High (up to 2,400rpm)	Light - Med	N/A	396	Retired	0:42	Still drilling fine - potential to do 1000+ holes
5.0mm	Stainless Sheet SS316 0.8mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Impact 3 / Speed 3	Med (up to 2,100rpm)	Med	Med	396	Retired	0:45	Still drilling fine - potential to do 1000+ holes
8.0mm	Stainless Sheet SS316 0.8mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Fast Speed / Medium Pressure	High (up to 2,400rpm)	Light - Med	N/A	120	Retired	1:00	Still drilling fine - potential to do 300+ holes
8.0mm	Stainless Sheet SS316 0.8mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Speed 3 - Med / fast feed	Med (up to 2,600rpm)	Med	Med	240	Blunt	0:50	
12.0mm	Stainless Sheet SS316 0.8mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Fast Speed 2 / Light Pressure	High (up to 2,400rpm)	Light - Med	N/A	110	Retired	1:15	Still drilling fine - potential to do 300+ holes
12.0mm	Stainless Sheet SS316 0.8mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Fast Speed / Fast feed	High (up to 3,200rpm)	Med	Med	14	Blunt	1:10	
5.0mm	Stainless Flat Bar SS316 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Drill Setting 5	Med (up to 2,400rpm)	Med	N/A	120	Retired	2:45	Still drilling fine - potential to do 300+ holes
5.0mm	Stainless Flat Bar SS316 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Speed 3 / Max impact	High (up to 3,200rpm)	Med	High	60	Retired	2:24	Tip damage
8.0mm	Stainless Flat Bar SS316 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	50% Speed 2	Med (up to 1,300rpm)	High	N/A	34	Blunt	5:00	
8.0mm	Stainless Flat Bar SS316 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Speed 3 / Impact 4 / Med Pressure	High (up to 3,200rpm)	Med	High	58	Blunt	4:20	
12.0mm	Stainless Flat Bar SS316 3.0mm	Makita Drill/Driver DF001GZ 40V 5.0aH Battery	Slow Speed / Max Pressure	Slow (up to 650rpm)	High	N/A	57	Blunt	5:06	
12.0mm	Stainless Flat Bar SS316 3.0mm	Makita Impact Driver TD001GZ 40V 5.0aH Battery	Slow Speed / Max Pressure	Slow (up to 1,100rpm)	High	High	5	Blunt	5:30	Impact not recommended in this application