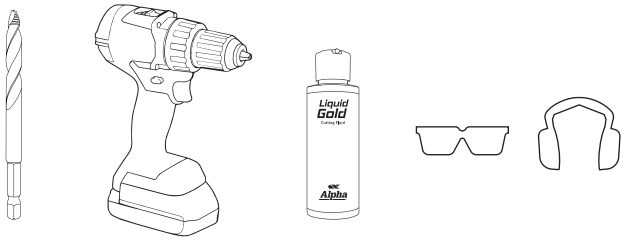
CORDLESS DRILL/DRIVER

STAINLESS SHEET - 0.8mm | **DRILL BIT - 12.0mm**

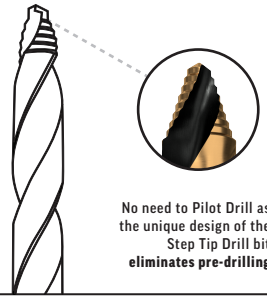
YOU WILL NEED



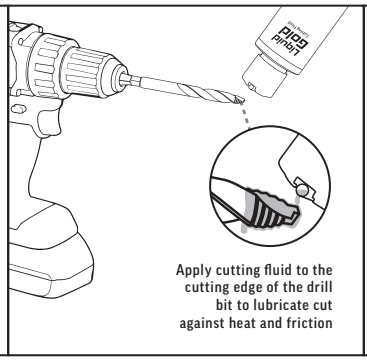
Alpha ONSITE+ Step Tip Drill Bit | Cordless Drill/Driver | Alpha Liquid Gold Cutting Fluid | Personal Protective Equipment (PPE)



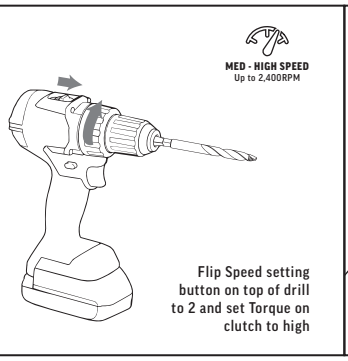
BEST PRACTICE GUIDE



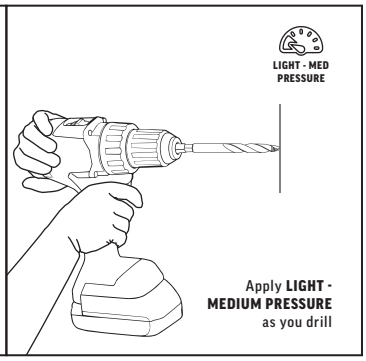
No need to Pilot Drill as the unique design of the Step Tip Drill bit **eliminates pre-drilling**



Apply cutting fluid to the cutting edge of the drill bit to lubricate cut against heat and friction



Flip Speed setting button on top of drill to 2 and set Torque on clutch to high



Apply **LIGHT - MEDIUM PRESSURE** as you drill

DRILL DIAMETER	MATERIAL	MATERIAL THICKNESS	TESTING TOOL	TEST SPEED / TORQUE RECORDED	SPEED	PRESSURE	IMPACT	HOLES	BLUNT / RETIRED
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

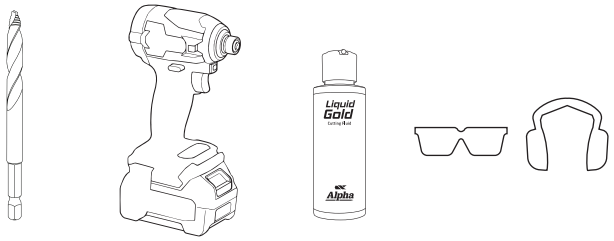
TIME TEST - DRILLING 5 HOLES	NOTES:
1:15	Still drilling fine - potential to do 300+ holes

IMPACT DRIVER

STAINLESS SHEET - 0.8mm | **DRILL BIT - 12.0mm**

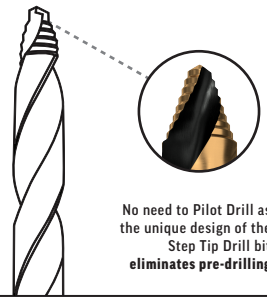
NOT RECOMMENDED | **14 HOLES**

YOU WILL NEED

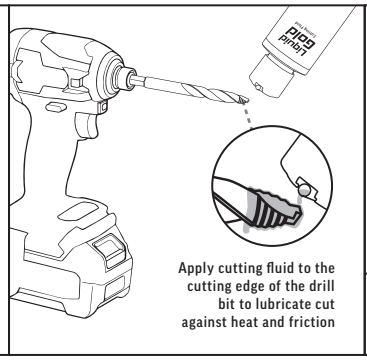


Alpha ONSITE+ Step Tip Drill Bit | Impact Driver | Alpha Liquid Gold Cutting Fluid | Personal Protective Equipment (PPE)

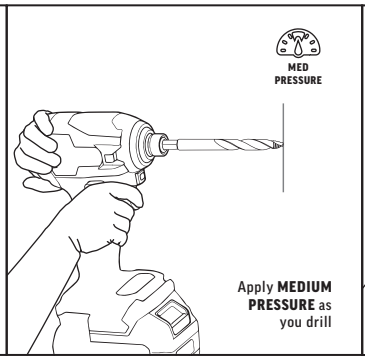
BEST PRACTICE GUIDE



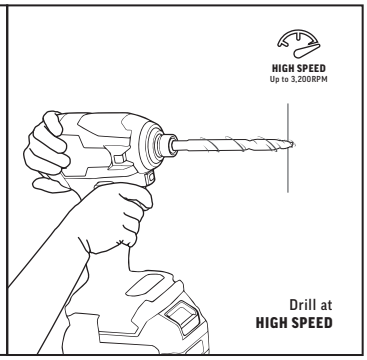
No need to Pilot Drill as the unique design of the Step Tip Drill bit **eliminates pre-drilling**



Apply cutting fluid to the cutting edge of the drill bit to lubricate cut against heat and friction



Apply **MEDIUM PRESSURE** as you drill



Drill at **HIGH SPEED**

DRILL DIAMETER	MATERIAL	MATERIAL THICKNESS	TESTING TOOL	TEST SPEED / TORQUE RECORDED	SPEED	PRESSURE	IMPACT	HOLES	BLUNT / RETIRED
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

TIME TEST - DRILLING 5 HOLES
1:10