GARR TOOL Drilling Guide for Aluminum Series 3-Flute Drills

			CHIPLOAD PER TOOTH (Fz)							
ISO Material		Туре	SFM (Vc)	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	
N	NON-FERROUS									
	Aluminum Alloy	6061	450 - 650	.0020"0040"	.0025"0050"	.0035"0060"	.0045"0070"	.0055"0080"	.0065"0100"	
	Cast Aluminum	380	300 - 500	.0015"0030"	.0020"0040"	.0030"0050"	.0030"0060"	.0035"0070"	.0040"0080"	
	Magnesium		250 - 500	.0015"0030"	.0020"0040"	.0030"0050"	.0030"0060"	.0035"0070"	.0040"0080"	
	Copper & Brass		250 - 400	.0010"0025"	.0020"0030"	.0020"0030"	.0020"0040"	.0030"0050"	.0030"0060"	
	Titanium	6Al-4V	100 - 300	.0010"0020"	.0020"0030"	.0020"0030"	.0020"0040"	.0030"0050"	.0030"0060"	

			CHIPLOAD PER TOOTH (Fz)							
ISO Material		Туре	M/Min. (Vc)	4.0mm	6.0mm	8.0mm	10.0mm	12.0mm	16.0mm	
N	NON-FERROUS									
	Aluminum Alloy	6061	140 - 200	.050100	.065125	.090150	.115175	.150200	.165250	
	Cast Aluminum	380	90 - 150	.038075	.050100	.075125	.075150	.090175	.100200	
	Magnesium		75 - 150	.038075	.050100	.075125	.075150	.090175	.100200	
	Copper, Brass		75 - 120	.025060	.050075	.050075	.050100	.075125	.075150	
	Titanium	6Al-4V	30 - 90	.025050	.050075	.050075	.050100	.075125	.075150	



NOTE - ABOVE ARE STARTING PARAMETERS ONLY. HIGHER RESULTS MAY BE ACHIEVED WITH OPTIMUM CONDITIONS.

