



*Our gears are always turning.*

Part Name	Sample Gear
Part Number	12435
ABA/PGT #	21420
Date	Xx/yy/zzzz
Gear Filename	21420_18
Customer	ABA-PGT Customer
GD Rev.	A

<b>SPUR GEAR DATA</b>			
<b>BASIC SPECIFICATIONS</b>			
number of teeth		18	
diametral pitch		64.0000	
pressure angle		20	Deg
standard pitch diameter		0.2813	Inch
tooth form		PT Special	
standard addendum (1.324/DP)		0.0204	Inch
standard whole depth (2.752DP)		0.0430	Inch
circular tooth thickness max at PCD		0.02260	Inch
circular tooth thickness min at PCD		0.02160	Inch
<b>MANUFACTURING AND INSPECTION</b>			
gear testing radius max		0.1387	Inch
gear testing radius min		0.1357	Inch
AGMA quality number		Q8	
max total composite tol of gear		0.0016	Inch
max tooth-to-tooth comp tolerance		0.0010	Inch
number of teeth in master gear		128	
circular tooth thickness master gear		0.02454	Inch
testing pressure		8.0	oz.
diameter of measuring pins		0.0300	Inch
measurement over two pins (max)		0.3242	Inch
measurement over two pins (min)		0.3221	Inch
outside diameter		0.3173	Inch
outside diameter tol (+ tol)		0.0000	Inch
outside diameter tol (- tol)		0.0035	Inch
max root diameter		0.2312	Inch
<b>ENGINEERING REFERENCES</b>			
mating gear part number			
number of teeth in mating gear	24	18	
max operating center distance	0.3310	0.2840	Inch
min operating center distance	0.3250	0.2780	Inch

