

TABLE 5.1 AGMA Standard Tooth System for Spur Gears^a

(Letter P Denotes the Diametral Pitch)

<i>Item</i>	<i>Coarse Pitch</i>		<i>Fine Pitch</i>
	$P < 20$		$P \geq 20$
Pressure Angle	20 deg	25 deg	20 deg
Addendum	1/P	1/P	1/P
Dedendum	1.25/P	1.25/P	1.2/P + .002 in. (min)
Clearance	0.25/P	0.25/P	0.2/P + .002 in. (min)
Working Depth	2.0/P	2.0/P	2.0/P
Whole Depth	2.25/P	2.25/P	2.2/P + .002 in. (min)
Circular Thickness	$\pi/2P$	$\pi/2P$	1.5708/P
Minimum Number of Teeth			
Pinion	18	12	10
per Pair	36	24	
Source:			
AGMA Standard	201.02	201.02	207.05

^a This data is extracted from USA Standard Tooth Proportions for Coarse-Pitch Involute Spur Gears (USAS B6.1-1968) and USA Standard System—Tooth Proportions for Fine-Pitch Involute Spur and Helical Gears (USAS B6.7-1967) with the permission of the publisher, the American Gear Manufacturers Association, 1330 Massachusetts Avenue, N.W., Washington, D.C. 20005.