

Table 12-1 AGMA Bending Geometry Factor J for  $\phi = 20^\circ$ ,  $\psi = 10^\circ$  Full-Depth Teeth with Tip Loading

Gear teeth	Pinion teeth																
	12		14		17		21		26		35		55		135		
	P	G	P	G	P	G	P	G	P	G	P	G	P	G	P	G	
12	U	U															
14	U	U	U	U													
17	U	U	U	U	U	U											
21	U	U	U	U	U	U	0.46	0.46									
26	U	U	U	U	U	U	0.47	0.49	0.49	0.49							
35	U	U	U	U	U	U	0.48	0.52	0.50	0.53	0.54	0.54					
55	U	U	U	U	U	U	0.49	0.55	0.52	0.56	0.55	0.57	0.59	0.59			
135	U	U	U	U	U	U	0.50	0.60	0.53	0.61	0.57	0.62	0.60	0.63	0.65	0.65	

Table 12-2 AGMA Bending Geometry Factor J for  $\phi = 20^\circ$ ,  $\psi = 20^\circ$  Full-Depth Teeth with Tip Loading

Gear teeth	Pinion teeth																
	12		14		17		21		26		35		55		135		
	P	G	P	G	P	G	P	G	P	G	P	G	P	G	P	G	
12	U	U															
14	U	U	U	U													
17	U	U	U	U	0.44	0.44											
21	U	U	U	U	0.45	0.46	0.47	0.47									
26	U	U	U	U	0.45	0.49	0.48	0.49	0.50	0.50							
35	U	U	U	U	0.46	0.51	0.49	0.52	0.51	0.53	0.54	0.54					
55	U	U	U	U	0.47	0.54	0.50	0.55	0.52	0.56	0.55	0.57	0.58	0.58			
135	U	U	U	U	0.48	0.58	0.51	0.59	0.54	0.60	0.57	0.61	0.60	0.62	0.64	0.64	

Table 12-3 AGMA Bending Geometry Factor J for  $\phi = 20^\circ$ ,  $\psi = 30^\circ$  Full-Depth Teeth with Tip Loading

Gear teeth	Pinion teeth																
	12		14		17		21		26		35		55		135		
	P	G	P	G	P	G	P	G	P	G	P	G	P	G	P	G	
12	U	U															
14	U	U	0.39	0.39													
17	U	U	0.39	0.41	0.41	0.41											
21	U	U	0.40	0.43	0.42	0.43	0.44	0.44									
26	U	U	0.41	0.44	0.43	0.45	0.45	0.46	0.46	0.46							
35	U	U	0.41	0.46	0.43	0.47	0.45	0.48	0.47	0.48	0.49	0.49					
55	U	U	0.42	0.49	0.44	0.49	0.46	0.50	0.48	0.50	0.50	0.51	0.52	0.52			
135	U	U	0.43	0.51	0.45	0.52	0.47	0.53	0.49	0.53	0.51	0.54	0.53	0.55	0.56	0.56	