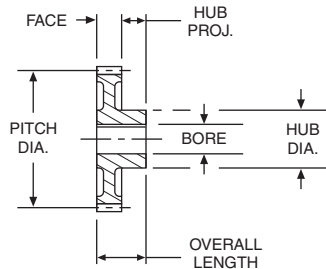


SPUR GEARS

12 AND 10 DIAMETRAL PITCH CAST IRON AND STEEL

20° PRESSURE ANGLE
(Will not operate with 14½° spurs)



STANDARD TOLERANCES

DIMENSION		TOLERANCE
BORE	All	±.0005



12 D.P.



10 D.P.

ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

No. of Teeth	Pitch Dia.	Bore	Hub		Style See Page 150	Without Keyway or Setscrew		With Keyway and Setscrew†				
			Dia.	Proj.		Catalog Number	Item Code	Catalog Number	Item Code			
12 DIAMETRAL PITCH						Face = 1.000" Outside Dia. = Pitch Dia. + .166" Overall Length = 1.000" + Hub Proj.						
CAST IRON												
60	5.000	.875	2.12	.88	B	YD60	10604	—	—			
66	5.500					YD66	10606	—	—			
72	6.000					YD72	10608	—	—			
84	7.000					YD84	10610	—	—			
96	8.000					YD96	10612	—	—			
108	9.000		2.25		D	YD108	10614	—	—			
120	10.000	1.000	2.25	.88		YD120	10616	—	—			
132	11.000		2.50	1.00		YD132	10618	—	—			
144	12.000					YD144	10620	—	—			
168	14.000					YD168	10622	—	—			
192	16.000				YD192	10624	—	—				
216	18.000				2.75		YD216	10626	—	—		
10 DIAMETRAL PITCH						Face = 1.250" Outside Dia. = Pitch Dia. + .200" Overall Length = 1.250" + Hub Proj.						
STEEL												
12	1.200	.625	.92	.62	A	YF12	09962	YF12-5/8	46173			
14	1.400					YF14	09964	YF14-5/8	46174			
15	1.500					.750	1.22	.62	YF15	09966	YF15-3/4	46175
16	1.600								YF16	09968	YF16-3/4	46176
18	1.800	.750	1.42	.62		YF18	09970	YF18-3/4	46177			
						—	—	YF18-7/8	46178			
20	2.000	.875	1.62	.62		YF20	09972	YF20-7/8	46179			
						—	—	YF20-1	46180			
24	2.400	.875	2.02	.62		YF24	09974	YF24-7/8	46181			
						—	—	YF24-1	46182			
25	2.500	.875	2.12	.62		YF25	09976	YF25-7/8	46183			
						—	—	YF25-1	46184			
28	2.800	.875	2.42	.62		YF28	09978	YF28-7/8	46185			
						—	—	YF28-1	46186			
30	3.000	.875	2.00	.88		YF30A	10630	—	—			
35	3.500					YF35A	10632	—	—			
40	4.000	1.000	2.95	.88	YF40A	10634	—	—				
45	4.500				YF45A	10636	—	—				
48	4.800				YF48A	10638	—	—				
50	5.000				YF50A	10640	—	—				
CAST IRON												
55	5.500	1.000	2.50	1.00	B	YF55	10642	—	—			
60	6.000					YF60	10644	—	—			
70	7.000					YF70	10646	—	—			
80	8.000					YF80	10648	—	—			
90	9.000					YF90	10650	—	—			
100	10.000	1.125	3.00	1.12	D	YF100	10652	—	—			
120	12.000					YF120	10656	—	—			
140	14.000					YF140	10658	—	—			
160	16.000					YF160	10660	—	—			
200	20.000			3.25		1.25	YF200B	10664	—	—		

†All gears have standard keyway at 90° to setscrew. See Page 150.

REFERENCE PAGES

Alterations — 149
Horsepower Ratings — 47, 48
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