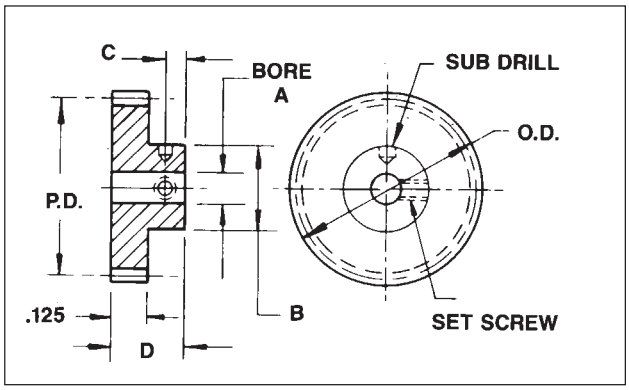
SPUR GEAR-48 PITCH — 1/8" Face Width ▪ 20° Pressure Angle

Pin Hub — 1/8", 3/16", 1/4" Bores



Material: 303 Stainless Steel
2024-T4 Aluminum
(Anodized Before Cutting)

Dimen.	Bore		
	1/8	3/16	1/4
A	.1248	.1873	.2498
B	.312	.375	.500
C	.09	.11	.12
D	.312	.343	.375
Set Screw	#2-56	#4-40	#6-32

Tolerances	Q10	Q12	Q14
Bore	+.0005 −.0000	+.0003 −.0000	+.0002 −.0000
Pitch Diameter	+.000 −.001	+.0000 −.0007	+.0000 −.0005
Outside Diameter	+.000 −.002	+.0000 −.0015	+.000 −.001
Total Composite Tolerance	FOR AGMA QUALITY STANDARDS SEE PAGE 12-2		
Tooth to Tooth Tolerance			

Qv = 10 is standard

To order AGMA 12 Gears, add – Q12 to Part No.
To order AGMA 14 Gears, add – Q14 to Part No.

For gears with a number of teeth not shown within the range listed above, substitute the required number of teeth for the digits at the end of the Part Number.

Pricing can be determined by using our online E-Commerce price list for the next higher published part number in the listing.

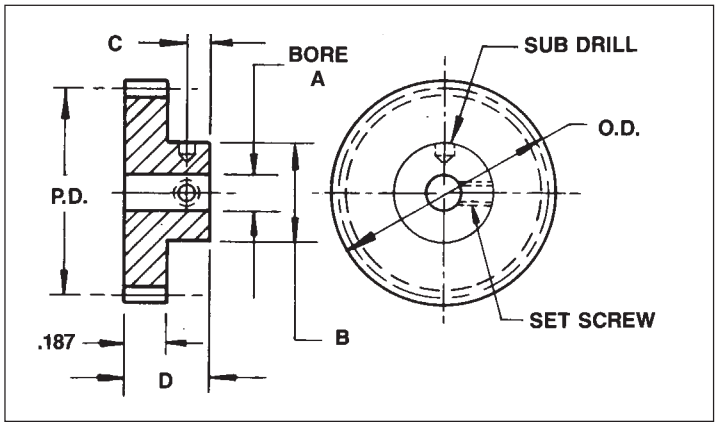
Gear Data			Stainless Steel Part No. Bore Size			Aluminum Part No. Bore Size		
No. Teeth	P.D.	O.D.	.1248	.1873	.2498	.1248	.1873	.2498
18	.3750	.417	G61-18	G1-18*	—	G62-18	G2-18*	—
19	.3958	.438	G61-19	G1-19*	—	G62-19	G2-19*	—
20	.4166	.458	G61-20	G1-20*	G3-20*	G62-20	G2-20*	G4-20*
21	.4375	.479	G61-21	G1-21	G3-21*	G62-21	G2-21	G4-21*
22	.4583	.500	G61-22	G1-22	G3-22*	G62-22	G2-22	G4-22*
23	.4791	.521	G61-23	G1-23	G3-23*	G62-23	G2-23	G4-23*
24	.5000	.542	G61-24	G1-24	G3-24*	G62-24	G2-24	G4-24*
25	.5208	.563	G61-25	G1-25	G3-25*	G62-25	G2-25	G4-25*
26	.5416	.583	G61-26	G1-26	G3-26*	G62-26	G2-26	G4-26*
27	.5625	.604	G61-27	G1-27	G3-27	G62-27	G2-27	G4-27
28	.5833	.625	G61-28	G1-28	G3-28	G62-28	G2-28	G4-28
29	.6041	.646	G61-29	G1-29	G3-29	G62-29	G2-29	G4-29
30	.6250	.667	G61-30	G1-30	G3-30	G62-30	G2-30	G4-30
32	.6666	.708	G61-32	G1-32	G3-32	G62-32	G2-32	G4-32
34	.7083	.750	G61-34	G1-34	G3-34	G62-34	G2-34	G4-34
36	.7500	.792	G61-36	G1-36	G3-36	G62-36	G2-36	G4-36
38	.7916	.833	G61-38	G1-38	G3-38	G62-38	G2-38	G4-38
40	.8333	.875	G61-40	G1-40	G3-40	G62-40	G2-40	G4-40
42	.8750	.917	G61-42	G1-42	G3-42	G62-42	G2-42	G4-42
44	.9166	.958	G61-44	G1-44	G3-44	G62-44	G2-44	G4-44
46	.9583	1.000	G61-46	G1-46	G3-46	G62-46	G2-46	G4-46
48	1.0000	1.042	G61-48	G1-48	G3-48	G62-48	G2-48	G4-48
50	1.0416	1.083	G61-50	G1-50	G3-50	G62-50	G2-50	G4-50
55	1.1458	1.188	G61-55	G1-55	G3-55	G62-55	G2-55	G4-55
56	1.1666	1.208	G61-56	G1-56	G3-56	G62-56	G2-56	G4-56
60	1.2500	1.292	G61-60	G1-60	G3-60	G62-60	G2-60	G4-60
64	1.3333	1.375	G61-64	G1-64	G3-64	G62-64	G2-64	G4-64
65	1.3541	1.396	G61-65	G1-65	G3-65	G62-65	G2-65	G4-65
70	1.4583	1.500	G61-70	G1-70	G3-70	G62-70	G2-70	G4-70
72	1.5000	1.542	G61-72	G1-72	G3-72	G62-72	G2-72	G4-72
75	1.5625	1.604	G61-75	G1-75	G3-75	G62-75	G2-75	G4-75
80	1.6666	1.708	G61-80	G1-80	G3-80	G62-80	G2-80	G4-80
84	1.7500	1.792	G61-84	G1-84	G3-84	G62-84	G2-84	G4-84
85	1.7708	1.813	G61-85	G1-85	G3-85	G62-85	G2-85	G4-85
90	1.8750	1.917	G61-90	G1-90	G3-90	G62-90	G2-90	G4-90
92	1.9166	1.958	G61-92	G1-92	G3-92	G62-92	G2-92	G4-92
95	1.9791	2.021	G61-95	G1-95	G3-95	G62-95	G2-95	G4-95
96	2.0000	2.042	G61-96	G1-96	G3-96	G62-96	G2-96	G4-96
100	2.0833	2.125	G61-100	G1-100	G3-100	G62-100	G2-100	G4-100
102	2.1250	2.167	G61-102	G1-102	G3-102	G62-102	G2-102	G4-102
105	2.1875	2.229	G61-105	G1-105	G3-105	G62-105	G2-105	G4-105
108	2.2500	2.292	—	G1-108	G3-108	—	G2-108	G4-108
110	2.2917	2.333	—	G1-110	G3-110	—	G2-110	G4-110
115	2.3958	2.438	—	G1-115	G3-115	—	G2-115	G4-115
120	2.5000	2.542	—	G1-120	G3-120	—	G2-120	G4-120
126	2.6250	2.667	—	G1-126	G3-126	—	G2-126	G4-126
127	2.6458	2.688	—	G1-127	G3-127	—	G2-127	G4-127
132	2.7500	2.792	—	G1-132	G3-132	—	G2-132	G4-132
138	2.8750	2.917	—	G1-138	G3-138	—	G2-138	G4-138
144	3.0000	3.042	—	G1-144	G3-144	—	G2-144	G4-144
150	3.1250	3.167	—	G1-150	G3-150	—	G2-150	G4-150
156	3.2500	3.292	—	—	G3-156	—	—	G4-156
162	3.3750	3.417	—	—	G3-162	—	—	G4-162
168	3.5000	3.542	—	—	G3-168	—	—	G4-168
174	3.6250	3.667	—	—	G3-174	—	—	G4-174
180	3.7500	3.792	—	—	G3-180	—	—	G4-180
186	3.8750	3.917	—	—	G3-186	—	—	G4-186
192	4.0000	4.042	—	—	G3-192	—	—	G4-192
198	4.1250	4.167	—	—	G3-198	—	—	G4-198

Other Size Bores Available, Consult Factory.
*Hob cuts into hub

Phone: 800-243-6125 ▪ FAX: 203-758-8271
E-Mail: sales@pic-design.com

SPUR GEAR-48 PITCH — 3/16" Face Width ▪ 20° Pressure Angle

Pin Hub — 3/16", 1/4" Bores



Material: 303 Stainless Steel
2024-T4 Aluminum
(Anodized Before Cutting)

Dimen.	Bore	
	3/16	1/4
A	.1873	.2498
B	.375	.500
C	.11	.12
D	.406	.437
Set Screw	#4-40	#6-32

Tolerances	Q10	Q12	Q14
Bore	+.0005 −.0000	+.0003 −.0000	+.0002 −.0000
Pitch Diameter	+.000 −.001	+.0000 −.0007	+.0000 −.0005
Outside Diameter	+.000 −.002	+.0000 −.0015	+.000 −.001
Total Composite Tolerance / Tooth to Tooth Tolerance	FOR AGMA QUALITY STANDARDS SEE PAGE 12-2		

To order AGMA 12 Gears, add –Q12 to Part No.
To order AGMA 14 Gears, add –Q14 to Part No.

For gears with a number of teeth not shown within the range listed above, substitute the required number of teeth for the digits at the end of the Part Number.

Pricing can be determined by using our online E-Commerce price list for the next higher published part number in the listing.

Gear Data			Stainless Steel Part No. Bore Size		Aluminum Part No. Bore Size	
No. Teeth	P.D.	O.D.	.1873	.2498	.1873	.2498
21	.4375	.479	G5-21	—	G6-21	—
22	.4583	.500	G5-22	—	G6-22	—
23	.4791	.521	G5-23	—	G6-23	—
24	.5000	.542	G5-24	—	G6-24	—
25	.5208	.563	G5-25	—	G6-25	—
26	.5416	.583	G5-26	—	G6-26	—
27	.5625	.604	G5-27	G7-27	G6-27	G8-27
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72	1.5000	1.542	G5-72	G7-72	G6-72	G8-72
75	1.5625	1.604	G5-75	G7-75	G6-75	G8-75
80	1.6666	1.708	G5-80	G7-80	G6-80	G8-80
84	1.7500	1.792	G5-84	G7-84	G6-84	G8-84
85	1.7708	1.813	G5-85	G7-85	G6-85	G8-85
90	1.8750	1.917	G5-90	G7-90	G6-90	G8-90
92	1.9166	1.958	G5-92	G7-92	G6-92	G8-92
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105	2.1875	2.229	G5-105	G7-105	G6-105	G8-105
108	2.2500	2.292	G5-108	G7-108	G6-108	G8-108
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120	2.5000	2.542	G5-120	G7-120	G6-120	G8-120
126	2.6250	2.667	G5-126	G7-126	G6-126	G8-126
127	2.6458	2.688	G5-127	G7-127	G6-127	G8-127
132	2.7500	2.792	G5-132	G7-132	G6-132	G8-132
138	2.8750	2.917	G5-138	G7-138	G6-138	G8-138
144	3.0000	3.042	G5-144	G7-144	G6-144	G8-144
150	3.1250	3.167	G5-150	G7-150	G6-150	G8-150
156	3.2500	3.292	G5-156	G7-156	G6-156	G8-156
162	3.3750	3.417	G5-162	G7-162	G6-162	G8-162
168	3.5000	3.542	G5-168	G7-168	G6-168	G8-168
174	3.6250	3.667	G5-174	G7-174	G6-174	G8-174
180	3.7500	3.792	G5-180	G7-180	G6-180	G8-180
186	3.8750	3.917	G5-186	G7-186	G6-186	G8-186
192	4.0000	4.042	G5-192	G7-192	G6-192	G8-192
198	4.1250	4.167	—	G7-198	—	G8-198

Other Size Bores Available. Consult Factory.

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