

3 DP 3" Face

Steel Stock Spur Gears 14½° Pressure Angle

Martin



Type A
Plain Without Hub



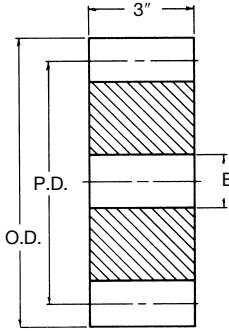
Type B
Plain With Hub



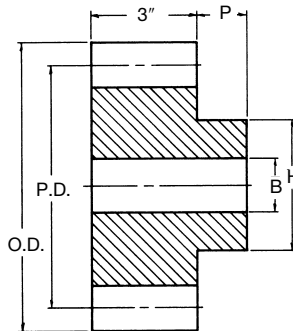
Type B₁
Web



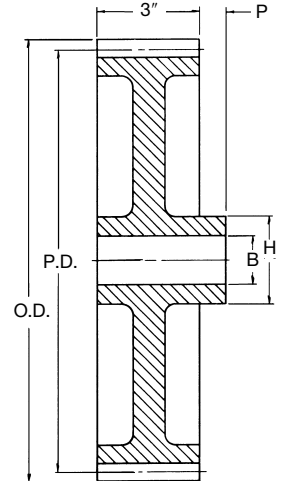
Type B₂
Web With
Lighten Holes



Type A



Type B



Type B₁, B₂

Steel

No. Teeth	Catalog Number	Pressure Angle (Deg.)	Diameter		Type	Bore (Inches)		Hub (Inches)		Weight Lbs. (App.)
			Pitch	Outside		Stock	Max.*	Diameter	Proj.	
11	S311	14½	4.000¥†	4.666	A	1⅞	2			12.0
12	S312	14½	4.000¥	4.666	A	1⅞	2			11.0
13	S313	14½	4.333	5.000	A	1⅞	2¼			10.7
14	S314	14½	4.667	5.333	A	1⅞	2½			12.8
15	S315	14½	5.000	5.666	A	1⅞	2¾			14.8
16	S316	14½	5.333	6.000	A	1⅞	2⅞			17.0
18	S318	14½	6.000	6.666	A	1⅞	3¼			22.0
20	S320	14½	6.667	7.333	A	1⅞	3½			27.4
21	S321	14½	7.000	7.666	A	1⅞	3¾			30.7
24	S324	14½	8.000	8.666	B	1⅞	3¼	5½	1¼	48.2
30	S330	14½	10.000	10.666	B	1⅞	3¾	6¼	1¼	74.5
36	S336	14½	12.000	12.666	B	1⅞	4¼	6½	1¼	114
42	S342	14½	14.000	14.666	B1	1⅞	4¾	6¼	1¼	106
48	S348	14½	16.000	16.666	B1	1⅞	4¾	6¼	1¼	120
54	S354	14½	18.000	18.666	B2	1⅞	4¾	6¼	1¼	134
60	S360	14½	20.000	20.666	B2	1⅞	4¾	6¼	1¼	150
72	S372	14½	24.000	24.666	B2	1⅞	4¾	7	1¼	180
84	S384	14½	28.000	28.666	B2	1⅞	4¾	7	1¼	215
96	S396	14½	32.000	32.666	B2	1⅞	4¾	7	1¼	264
108	S3108	14½	36.000	36.666	B2	1⅞	4¾	7	1¼	305
120	S3120	14½	40.000	40.666	B2	1⅞	5	7½	1¼	367

* Recommended Maximum Bore With Keyway and Setscrew.

† Enlarged Pitch Diameter with Special Tooth Form.

¥ 4" Face.

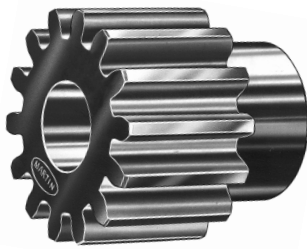
14½ P.A. Gears Will Not Operate With 20° P.A.



Cast Iron Stock Spur Gears

14½° Pressure Angle

3 DP 3" Face



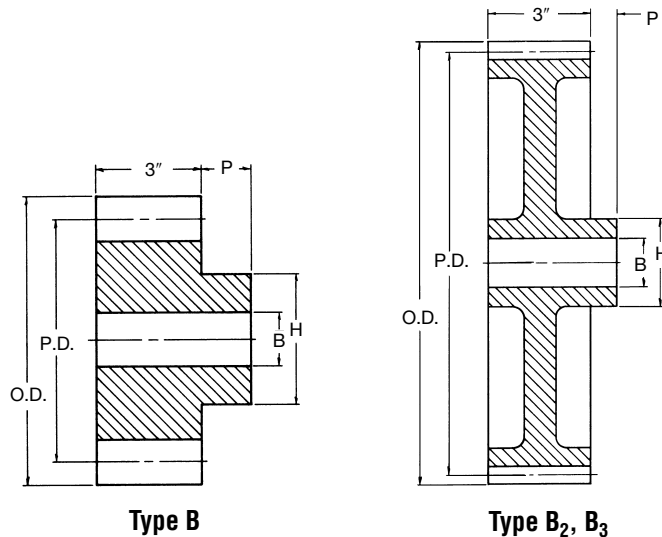
Type B
Plain With Hub



Type B₂
Web With
Lighten Holes



Type B₃
Web With Spokes



Type B

Type B₂, B₃

Cast — Style “B”

No. Teeth	Catalog Number	Pressure Angle (Deg.)	Diameter		Type	Bore (Inches)		Hub (Inches)		Weight Lbs. (App.)
			Pitch	Outside		Stock	Max.*	Diameter	Proj.	
24	C324	14½	8.000	8.666	B	1⅞	2⅞	4⅞	1⅞	40.4
28	C328	14½	9.333	10.000	B	1⅞	3⅞	5⅞	1⅞	54.2
30	C330	14½	10.000	10.666	B	1⅞	3⅞	5⅞	1⅞	57.1
32	C332	14½	10.667	11.333	B	1⅞	3⅞	5⅞	1⅞	62.4
36	C336	14½	12.000	12.666	B ₂	1⅞	3⅞	5⅞	1⅞	71.3
40	C340	14½	13.333	14.000	B ₂	1⅞	3⅞	5⅞	1⅞	75.9
42	C342	14½	14.000	14.666	B ₂	1⅞	3⅞	5⅞	1⅞	79.5
45	C345	14½	15.000	15.666	B ₂	1⅞	3⅞	5⅞	1⅞	85.0
48	C348	14½	16.000	16.666	B ₃	1⅞	3⅞	5⅞	1⅞	92.9
54	C354	14½	18.000	18.666	B ₃	1⅞	3⅞	5⅞	1⅞	104
60	C360	14½	20.000	20.666	B ₃	1⅞	3⅞	5⅞	1⅞	115
72	C372	14½	24.000	24.666	B ₃	1⅞	3⅞	6	1⅞	153
75	C375	14½	25.000	25.666	B ₃	1⅞	3⅞	6	1⅞	155
84	C384	14½	28.000	28.666	B ₃	1⅞	3⅞	6	1⅞	178
90	C390	14½	30.000	30.666	B ₃	1⅞	3⅞	6	1⅞	185
96	C396	14½	32.000	32.666	B ₃	1⅞	3⅞	6	1⅞	205
105	C3105	14½	35.000	35.666	B ₃	1⅞	3⅞	6	1⅞	216
108	C3108	14½	36.000	36.666	B ₃	1⅞	3⅞	6	1⅞	228
120	C3120	14½	40.000	40.666	B ₃	1⅞	4⅞	6⅞	1⅞	226

* Recommended Maximum Bore With Keyway and Setscrew.

14½° P.A. Gears Will Not Operate With 20° P.A.