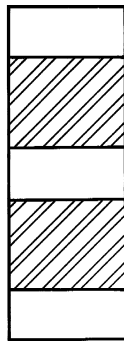
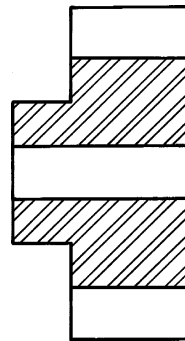




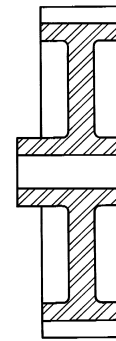
SPUR GEAR HUB STYLES



A TYPE
SOLID



B TYPE
SOLID OR WELDED



WEB TYPE
WELDED

Stock Spur Gears are cut to allow backlash as listed below when mounted on standard center distances. They can be expected to operate as satisfactory replacements for any make of standard commercial gears or in new installations with standard mountings.

20 D.P. - .003"	5 D.P. - .008"	1 1/2" D.P. - .027"
16 D.P. - .003"	4 D.P. - .010"	3/4" C.P. - .010"
12 D.P. - .004"	3 D.P. - .013"	1" C.P. - .013"
10 D.P. - .004"	2 1/2 D.P. - .016"	1 1/4" C.P. - .016"
8 D.P. - .005"	2 D.P. - .020"	1 1/2" C.P. - .020"
6 D.P. - .007"	1 3/4 D.P. - .023"	1 3/4" C.P. - .023"

TABLE OF TOOTH PARTS

DIAMETRAL PITCH

Relation between Diametral Pitch and Circular Pitch, with corresponding Tooth Dimensions

Diametral Pitch	Circular Pitch	Thickness of Tooth On Pitch Line	Whole Depth	Dedendum	Addendum	Diametral Pitch	Circular Pitch	Thickness of Tooth On Pitch Line	Whole Depth	Dedendum	Addendum
1/2	6.2832"	3.1416"	4.3142"	2.3142"	2.0000"	10	.3142	.1571	.2157	.1157	.1000
3/4	4.1888	2.0944	2.8761	1.5428	1.3333	11	.2856	.1428	.1961	.1052	.0909
1	3.1416	1.5708	2.1571	1.1571	1.0000	12	.2618	.1309	.1798	.0964	.0833
1 1/4	2.5133	1.2566	1.7257	.9257	.8000	14	.2244	.1122	.1541	.0826	.0714
1 1/2	2.0944	1.0472	1.4381	.7714	.6666	16	.1963	.0982	.1348	.0723	.0625
1 3/4	1.7952	.8976	1.2326	.6612	.5714	18	.1745	.0873	.1198	.0643	.0555
2	1.5708	.7854	1.0785	.5785	.5000	20	.1571	.0785	.1079	.0579	.0500
2 1/4	1.3963	.6981	.9587	.5143	.4444	22	.1428	.0714	.0980	.0526	.0455
2 1/2	1.2566	.6283	.8628	.4628	.4000	24	.1309	.0654	.0898	.0482	.0417
2 3/4	1.1424	.5712	.7844	.4208	.3636	26	.1208	.0604	.0829	.0445	.0385
3	1.0472	.5236	.7190	.3857	.3333	28	.1122	.0561	.0770	.0413	.0357
3 1/2	.8976	.4488	.6163	.3306	.2857	30	.1047	.0524	.0719	.0386	.0333
4	.7854	.3927	.5393	.2893	.2500	32	.0982	.0491	.0674	.0362	.0312
5	.6283	.3142	.4314	.2314	.2000	36	.0873	.0436	.0599	.0321	.0278
6	.5236	.2618	.3595	.1928	.1666	40	.0785	.0393	.0539	.0289	.0250
7	.4488	.2244	.3081	.1653	.1429	48	.0654	.0327	.0449	.0241	.0208
8	.3927	.1963	.2696	.1446	.1250	60	.0524	.0262	.0360	.0193	.0166
9	.3491	.1745	.2397	.1286	.1111						

To obtain the size of a diametral pitch not given in the table divide the corresponding part of 1 diametral pitch by the pitch required.



TABLE OF TOOTH PARTS

CIRCULAR PITCH

Relation between Diametral Pitch and Circular Pitch, with corresponding Tooth Dimensions

Circular Pitch	Diametral Pitch	Thickness of Tooth On Pitch Line	Whole Depth	Dedendum	Addendum	Circular Pitch	Diametral Pitch	Thickness of Tooth On Pitch Line	Whole Depth	Dedendum	Addendum		
2	"	1.5708	1.0000"	1.3732"	.7366"	.6366"	5/8	"	5.0265	.3125	.4291	.2301	.1989
1 7/8	"	1.6755	.9375	1.2874	.6906	.5968	9/16	"	5.5851	.2812	.3862	.2071	.1790
1 3/4	"	1.7952	.8750	1.2016	.6445	.5570	1/2	"	6.2832	.2500	.3433	.1842	.1592
1 5/8	"	1.9333	.8125	1.1158	.5985	.5173	7/16	"	7.1808	.2187	.3003	.1611	.1393
1 1/2	"	2.0944	.7500	1.0299	.5525	.4775	2/5	"	7.8540	.2000	.2746	.1473	.1273
1 7/16	"	2.1855	.7187	.9870	.5294	.4576	3/8	"	8.3776	.1875	.2575	.1381	.1194
1 3/8	"	2.2848	.6875	.9441	.5064	.4377	1/3	"	9.4248	.1666	.2287	.1228	.1061
1 5/6	"	2.3936	.6562	.9012	.4837	.4178	5/16	"	10.0531	.1562	.2146	.1151	.0995
1 1/4	"	2.5133	.6250	.8583	.4604	.3979	1/4	"	12.5664	.1250	.1716	.0921	.0796
1 3/16	"	2.6465	.5937	.8156	.4374	.3780	1/5	"	15.7080	.1000	.1373	.0737	.0637
1 1/8	"	2.7925	.5625	.7724	.4143	.3581	3/16	"	16.7552	.0937	.1287	.0690	.0592
1 1/16	"	2.9568	.5312	.7295	.3913	.3382	1/6	"	18.8496	.0833	.1144	.0614	.0531
1	"	3.1416	.5000	.6866	.3683	.3183	1/7	"	21.9911	.0714	.0981	.0526	.0455
15/16	"	3.3510	.4687	.6437	.3453	.2984	1/8	"	25.1327	.0625	.0858	.0460	.0398
7/8	"	3.5904	.4375	.6007	.3223	.2785	1/9	"	28.2743	.0555	.0763	.0409	.0354
13/16	"	3.8666	.4062	.5579	.2993	.2586	1/10	"	31.4159	.0500	.0687	.0368	.0318
3/4	"	4.1888	.3750	.5150	.2762	.2387	1/16	"	50.2655	.0312	.0429	.0230	.0199
11/16	"	4.5696	.3437	.4720	.2532	.2189	1/20	"	62.8318	.0250	.0343	.0184	.0159

To obtain the size of any part of a circular pitch not given in the table, multiply the corresponding part of 1" pitch by the pitch required.

TABLE OF TOOTH PARTS METRIC PITCH (MODULE)

Relation between Metric Pitch, Diametral Pitch and Circular Pitch, with Corresponding Tooth Dimensions

Module	Diametral Pitch	Circular Pitch (Inches)	Thickness On Pitch Line (Inches)	Whole Depth (Inches)	Dedendum (Inches)	Addendum (Inches)	Module	Diametral Pitch	Circular Pitch (Inches)	Thickness On Pitch Line (Inches)	Whole Depth (Inches)	Dedendum (Inches)	Addendum (Inches)
1/2	50.800	.0618	.0309	.0425	.0228	.0197	4 1/2	5.644	.5566	.2783	.3822	.2050	.1772
3/4	33.867	.0927	.0464	.0637	.0342	.0295	5	5.080	.6184	.3092	.4246	.2278	.1969
1	25.400	.1236	.0618	.0849	.0456	.0394	5 1/2	4.618	.6802	.3402	.4671	.2506	.2165
1 1/4	20.320	.1546	.0773	.1062	.0569	.0492	6	4.233	.7421	.3710	.5096	.2734	.2362
1 1/2	16.933	.1855	.0928	.1274	.0683	.0591	7	3.628	.8659	.4329	.5946	.3189	.2756
1 3/4	14.514	.2164	.1082	.1486	.0797	.0689	8	3.175	.9894	.4947	.6794	.3644	.3150
2	12.700	.2473	.1237	.1699	.0911	.0787	9	2.822	1.1132	.5566	.7644	.4100	.3544
2 1/4	11.288	.2783	.1392	.1911	.1025	.0886	10	2.540	1.2368	.6184	.8493	.4556	.3937
2 1/2	10.160	.3092	.1546	.2123	.1139	.0984	11	2.309	1.3605	.6803	.9342	.5011	.4331
2 3/4	9.236	.3401	.1701	.2336	.1253	.1083	12	2.117	1.4839	.7420	1.0189	.5466	.4724
3	8.466	.3710	.1855	.2548	.1367	.1181	14	1.814	1.7318	.8659	1.1891	.6379	.5513
3 1/2	7.257	.4329	.2165	.2972	.1594	.1378	16	1.587	1.9795	.9898	1.3592	.7291	.6301
4	6.350	.4947	.2474	.3397	.1822	.1575	18	1.411	2.2263	1.1132	1.5354	.8267	.7086

The Metric Module is the Pitch Diameter in Millimeters divided by the number of teeth in the gear.



DIAMETRAL PITCH

Diametral Pitch is the Number of Teeth Per Inch of the Pitch Diameter

FOR SPUR GEARS ONLY

To Get	Knowing	Rule	To Get	Knowing	Rule
Diametral Pitch	The Circular Pitch	Divide 3.1416 by the Circular Pitch	Outside Diameter	The Pitch Dia. and the Number of Teeth	Divide the No. of Teeth plus 2 by the quotient of No. of Teeth divided by the Pitch Dia.
	The Pitch Diameter and the No. of Teeth	Divide Number of Teeth by Pitch Diameter		The Number of Teeth and Addendum	Multiply the Number of teeth plus 2 by Addendum
	The Outside Dia. and the No. of Teeth	Divide Number of Teeth plus 2 by Outside Diameter			
Pitch Diameter	The No. of Teeth and the Diametral Pitch	Divide Number of Teeth by the Diametral Pitch	Number of Teeth	The Pitch Dia. and the Diametral Pitch	Multiply Pitch Diameter by the Diametral Pitch
	The No. of Teeth and Outside Dia.	Divide the product of Outside Diameter and Number of Teeth by No. of Teeth plus 2		The Outside Dia. and the Diametral Pitch	Multiply Outside Dia. by the Diametral Pitch and subtract 2
	The Outside Dia. and the Diametral Pitch	Subtract from the Outside Dia. the quotient of 2 divided by the Diametral Pitch	Thickness of Tooth	The Diametral Pitch	Divide 1.5708 by the Diametral Pitch
	Addendum and Number of Teeth	Multiply Addendum by the Number of Teeth	Addendum	The Diametral Pitch	Divide 1 by the Diametral Pitch
			Root	The Diametral Pitch	Divide 1.157 by the Diametral Pitch
Outside Diameter	The No. of Teeth and the Diametral Pitch	Divide Number of Teeth plus 2 by the Diametral Pitch	Working Depth	The Diametral Pitch	Divide 2 by the Diametral Pitch
	The Pitch Dia. and the Diametral Pitch	Add to the Pitch Diameter the quotient of 2 divided by the Diametral Pitch	Whole Depth	The Diametral Pitch	Divide 2.157 by the Diametral Pitch
			Clearance	The Diametral Pitch	Divide .157 by the Diametral Pitch
				Thickness of Tooth	Divide Thickness of Tooth at pitch line by 10

CIRCULAR PITCH

Circular Pitch is the Distance from the Center of One Tooth to the Center of the Next Tooth at the Pitch Line

FOR SPUR GEARS ONLY

To Get	Knowing	Rule	To Get	Knowing	Rule
Circular Pitch	The Diametral Pitch	Divide 3.1416 by the Diametral Pitch	Outside Diameter	The Pitch Dia. and the Circular Pitch	Add to the Pitch Diameter the product of the Circular Pitch and .6366
	The Pitch Dia. and the No. of Teeth	Divide Pitch Dia. by the product of .3183 and No. of Teeth		The No. of Teeth and the Addendum	Multiply Addendum by Number of Teeth plus 2
	The Outside Dia. and the No. of Teeth	Divide Outside Dia. by the product of .3183 and Number of Teeth plus 2		Number of Teeth	The Pitch Diameter and the Circular Pitch	Divide the Product of Pitch Diameter and 3.1416 by the Circular Pitch
Pitch Diameter	The No. of Teeth and the Circular Pitch	The continued product of the Number of Teeth, the Circular Pitch and .3183	Thickness of Tooth	The Circular Pitch	One-half the Circular Pitch
	The No. of Teeth and the Outside Dia.	Divide the product of No. of Teeth and Outside Dia. by No. of Teeth plus 2	Addendum	The Circular Pitch	Multiply the Circular Pitch by .3183
	The Outside Dia. and the Circular Pitch	Subtract the product of the Circular Pitch and .6366 from the Outside Dia.	Root	The Circular Pitch	Multiply the Circular Pitch by .3683
	Addendum and the Number of Teeth	Multiply the No. of Teeth by the Addendum	Working Depth	The Circular Pitch	Multiply the Circular Pitch by .6366
			Whole Depth	The Circular Pitch	Multiply the Circular Pitch by .6866
Outside Diameter	The No. of Teeth and the Circular Pitch	The continued product of the Number of Teeth plus 2, the Circular Pitch and .3183	Clearance	The Circular Pitch	Multiply the Circular Pitch by .05
				Thickness of Tooth	One-tenth the Thickness of Tooth at Pitch Line



MACHINE CUT SPROCKET TOLERANCES

SINGLE STRAND SPROCKET RIM THICKNESS

Pitch	Chain Number	Sprocket Thickness	Un-machined Tolerance	Machined Tolerance
1/4 "	25	.110"	+ .005 / - .021"	+ .000 / - .007"
3/8 "	35	.168"	+ .006 / - .027"	+ .000 / - .008"
1/2 "	41	.227"	+ .007 / - .032"	+ .000 / - .009"
1/2 "	40	.284"	+ .008 / - .035"	+ .000 / - .009"
5/8 "	50	.343"	+ .009 / - .036"	+ .000 / - .010"
3/4 "	60	.459"	+ .012 / - .036"	+ .000 / - .011"
1 "	80	.575"	+ .014 / - .040"	+ .000 / - .012"
1 1/4 "	100	.692"	+ .017 / - .046"	+ .000 / - .014"
1 1/2 "	120	.924"	+ .022 / - .057"	+ .000 / - .016"
1 3/4 "	140	.924"	+ .022 / - .057"	+ .000 / - .016"
2 "	160	1.156"	+ .027 / - .062"	+ .000 / - .019"
2 1/4 "	180	1.301"	+ .032 / - .068"	+ .000 / - .020"
2 1/2 "	200	1.389"	+ .032 / - .072"	+ .000 / - .021"
3 "	240	1.738"	+ .050 / - .088"	+ .000 / - .025"

SPROCKET ROOT DIAMETER

The Root or Bottom diameter tolerance is minus only and can be found by the following formula:

Tolerance Equals: $[(.001 \times \text{Chain Pitch in Inches}) + .003"] \times \text{Square Root of the No. of Teeth}$

FACE RUN-OUT

Maximum total face run-out is .0025" total indicator reading per inch of sprocket pitch diameter.

CONCENTRICITY

Maximum allowable pitch line eccentricity with relation to the bore is .001" total indicator reading per inch of sprocket pitch diameter, with minimum tolerance of .006" at regular charges.

HUB DIAMETER AND LENGTH

Hub Diameter Range	Hub Diameter Tolerance	Length Through Bore Tolerance
Hubs up to 3" Diameter	+ 0" - 1/32"	+ 1/32" - 1/32"
Over 3" to 4" Diameter	+ 0" - 1/16"	+ 1/32" - 1/32"
Over 4" to 6" Diameter	+ 0" - 1/16"	+ 1/16" - 1/16"
Hubs over 6" Diameter	+ 0" - 1/8"	+ 1/16" - 1/16"

DRILLED HOLES

Hole Diameter	+ .010"	- .000"
Radius from Center	+ .015"	- .015"
Spacing	+ .010"	- .010"

LINN GEAR COMPANY



MAXIMUM HUB DIAMETERS - INCHES

Pitch and Chain Number

No. Teeth	3/8 35	1/2 41	1/2 40	5/8 50	3/4 60	1 80	1 1/4 100	1 1/2 120	1 3/4 140	2 160	2 1/4 180	2 1/2 200	3 240
6	.24	.42	.33	.42	.52	.70	.88	1.06	1.25	1.42	1.61	1.80	2.16
7	.38	.59	.50	.64	.77	1.05	1.31	1.58	1.84	2.11	2.39	2.66	3.19
8	.50	.77	.67	.84	1.03	1.38	1.73	2.08	2.44	2.80	3.14	3.50	4.20
9	.62	.93	.84	1.06	1.28	1.72	2.15	2.59	3.03	3.46	3.89	4.34	5.21
10	.75	1.10	1.01	1.27	1.53	2.05	2.57	3.09	3.60	4.12	4.64	5.16	6.20
11	.87	1.26	1.17	1.47	1.77	2.37	2.98	3.58	4.18	4.78	5.38	5.98	7.19
12	.99	1.43	1.34	1.68	2.02	2.70	3.38	4.07	4.75	5.43	6.11	6.80	8.17
13	1.12	1.59	1.50	1.88	2.26	3.03	3.79	4.56	5.32	6.08	6.84	7.61	9.14
14	1.24	1.75	1.66	2.08	2.51	3.35	4.20	5.04	5.89	6.73	7.58	8.42	10.11
15	1.36	1.91	1.82	2.28	2.75	3.67	4.60	5.53	6.45	7.38	8.30	9.23	11.08
16	1.48	2.07	1.98	2.49	2.99	4.00	5.00	6.01	7.02	8.02	9.03	10.04	12.05
17	1.60	2.23	2.14	2.69	3.23	4.32	5.41	6.49	7.58	8.67	9.75	10.84	13.02
18	1.72	2.39	2.30	2.89	3.47	4.64	5.81	6.98	8.14	9.31	10.47	11.65	13.98
19	1.84	2.56	2.47	3.09	3.71	4.96	6.21	7.46	8.71	9.95	11.20	12.45	14.95
20	1.96	2.72	2.63	3.29	3.95	5.28	6.61	7.94	9.27	10.60	11.92	13.25	15.91
21	2.08	2.88	2.79	3.49	4.19	5.60	7.01	8.42	9.83	11.24	12.64	14.06	16.87
22	2.20	3.04	2.95	3.69	4.44	5.92	7.41	8.90	10.39	11.88	13.36	14.86	17.84
23	2.32	3.20	3.11	3.89	4.68	6.24	7.81	9.38	10.95	12.52	14.08	15.66	18.80
24	2.44	3.36	3.27	4.09	4.92	6.56	8.21	9.86	11.51	13.16	14.80	16.46	18.76
25	2.56	3.52	3.43	4.29	5.16	6.88	8.61	10.34	12.07	13.80	15.52	17.26	20.72
26	2.68	3.68	3.59	4.49	5.40	7.20	9.01	10.82	12.63	14.44	16.25	18.06	21.68
27	2.80	3.84	3.75	4.69	5.64	7.52	9.41	11.30	13.19	15.08	16.97	18.86	22.64
28	2.92	4.00	3.91	4.89	5.88	7.84	9.81	11.78	13.75	15.72	17.69	19.66	23.59
29	3.04	4.16	4.07	5.09	6.12	8.16	10.21	12.26	14.31	16.36	18.41	20.46	24.55
30	3.16	4.32	4.23	5.29	6.35	8.48	10.61	12.74	14.87	17.00	19.13	21.26	25.51
31	3.28	4.47	4.38	5.48	6.59	8.80	11.00	13.22	15.42	17.62	19.84	22.05	26.47
32	3.39	4.64	4.55	5.69	6.83	9.11	11.41	13.69	15.98	18.27	20.56	22.84	27.42

Pitch and Chain Number

No. of Effective Teeth	1" Pitch		1 1/4" Pitch		1 1/2" Pitch		2" Pitch		2 1/2" Pitch		3" Pitch	
	2040	2042	2050	2052	2060	2062	2080	2082	2100	2102	2120	2122
6	1.20	1.20	1.51	1.51	1.82	1.82	2.43	2.43	3.05	3.05	3.67	3.67
6 1/2	1.38	....	1.73	...	2.08	....	2.78	....	3.48	....	4.19	...
7	1.55	1.55	1.94	1.94	2.34	2.34	3.12	3.12	3.91	3.91	4.70	4.70
7 1/2	1.72	....	2.15	...	2.59	....	3.46	....	4.34	....	5.21	...
8	1.88	1.88	2.36	2.36	2.84	2.84	3.80	3.80	4.76	4.75	5.71	5.71
8 1/2	2.05	....	2.57	...	3.09	....	4.13	....	5.17	....	6.21	...
9	2.22	2.22	2.80	2.78	3.34	3.34	4.47	4.46	5.59	5.59	6.71	6.71
9 1/2	2.38	....	2.99	...	3.59	....	4.80	....	6.00	....	7.24	...
10	2.55	2.55	3.19	3.19	3.84	3.84	5.13	5.12	6.41	6.41	7.71	7.70
10 1/2	2.71	....	3.40	...	4.08	....	5.45	....	6.83	....	8.20	...
11	2.88	2.88	3.60	3.60	4.33	4.33	5.78	5.78	7.23	7.23	8.69	8.69
11 1/2	3.04	....	3.81	...	4.57	....	6.11	....	7.64	....	9.18	...
12	3.20	3.20	4.04	4.01	4.82	4.82	6.43	6.43	8.05	8.05	9.67	9.66
12 1/2	3.36	....	4.21	...	5.06	....	6.76	....	8.46	....	10.15	...
13	3.53	3.52	4.42	4.42	5.31	5.30	7.08	7.08	8.86	8.85	10.64	10.64
13 1/2	3.69	....	4.62	...	5.55	....	7.41	....	9.27	....	11.13	...
14	3.85	3.84	4.82	4.82	5.79	5.79	7.73	7.73	9.67	9.64	11.61	11.61
14 1/2	4.01	....	5.02	...	6.03	....	8.06	....	10.08	....	12.10	...
15	4.17	4.15	5.23	5.23	6.28	6.28	8.38	8.38	10.48	10.43	12.58	12.58



STANDARD KEYWAY

and SET SCREW DIMENSIONS - INCHES

SHAFT DIAMETER	KEYWAY WIDTH X DEPTH	SET SCREW DIAMETER	SHAFT DIAMETER	KEYWAY WIDTH X DEPTH	SET SCREW DIAMETER
1/2 - 9/16	1/8 X 1/16	1/4	3 5/16 - 3 3/4	7/8 X 7/16	3/4
5/8 - 7/8	3/16 X 3/32	1/4	3 13/16 - 4 1/2	1 X 1/2	3/4
15/16 - 1 1/4	1/4 X 1/8	5/16	4 9/16 - 5 1/2	1 1/4 X 5/8	3/4
1 5/16 - 1 3/8	5/16 X 5/32	5/16	5 9/16 - 6 1/2	1 1/2 X 3/4	1
1 7/16 - 1 3/4	3/8 X 3/16	3/8	6 9/16 - 7 1/2	1 3/4 X 7/8	1
1 13/16 - 2 1/4	1/2 X 1/4	1/2	7 9/16 - 8 15/16	2 X 1	1
2 5/16 - 2 3/4	5/8 X 5/16	5/8	9 - 10 15/16	2 1/2 X 1 1/4	1
2 13/16 - 3 1/4	3/4 X 3/8	3/4			

WHEN KEYWAYS AND/OR SETSCREWS ARE ORDERED, BUT EXACT SPECIFICATIONS NOT INDICATED, THE FOLLOWING PRACTICES WILL BE FOLLOWED.

Keyways are not located in line with sprocket or gear teeth unless requested. There is no additional charge for cutting in line but it should be understood that perfect alignment cannot be accomplished by normal shop methods. Because of variations in shafting, keystock and bore dimensions and the placement of keyways in shaft and bore, shaft misalignment or eccentricity or a combination of all of these, tooth alignment closer than + or - 0° 45' should not be anticipated from this method. Variations exceeding this amount are possible even when care is taken in all areas. For applications requiring particularly close alignment, we can supply adjustable hubs that allow one sprocket or gear to be rotated to match the other after installation on the shaft.

Keyways will be cut to the dimensions in the above table. Tapered keyways will be tapered 1/8" per foot - standard depth at deep end. Tapered keyways will be furnished with deep end on hub side of sprockets or gears with hub on one side only. If thickness of hub remaining over standard depth keyway is deemed inadequate, keyways will be cut shallow. Keys are not furnished except on order and at additional cost.

When one set screw is ordered, it is normally over the keyway. However, if the hub thickness remaining over the keyway is less than the diameter of a standard set screw it will be placed at 90°. When 2 set screws are ordered they are normally placed 1 over the key and 1 at 90°. If hub thickness over a standard depth keyway is less than the diameter of a standard set screw, they will be placed at 90° and 180° to the keyway. Set screws are furnished.

All alteration charges are for standard bore sizes in increments of 1/16" with standard tolerances. Non-standard bore, keyway or set screw sizes, tapered bores, splines, multiple keyways or specific location of keyways, pin holes or other variations from normal practice are subject to extra charge.

BORE AND KEYWAY TOLERANCES

The standard tolerances listed below have proved satisfactory in use throughout the industry for many years and will be maintained on all standard commercial sprockets and gears. Should specific applications require closer tolerances, they can be supplied at reasonable extra cost. However, care should be taken not to specify tolerances which are less than the standard listed, when not actually required, in order to avoid unnecessary extra charges.

BORE TOLERANCE

Bores up to 2" Diameter	+ .002" - .000"
Over 2" to 3" Diameter	+ .003" - .000"
Over 3" to 4" Diameter	+ .004" - .000"
Bores over 4" Diameter	+ .005" - .000"

KEYWAY TOLERANCE

Width of Keyway - Straight or Tapered	+ .002" - .002"
Depth of Keyway - Straight	+ .010" - .000"
Depth of Keyway - Tapered	+ .000" - .010"