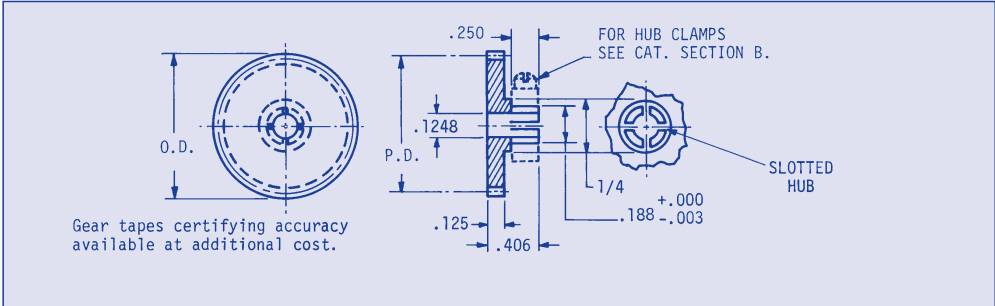


SPUR GEARS-SPLIT HUB

20° PRESSURE ANGLE

80 PITCH
1/8 FACE
1/8 BORE



Specifications: Unless otherwise stated, quality #10 or better gears will be supplied. When ordering Q12 or Q14 please supply the catalog number and add Q12 or Q14.

Gear Class	Total Composite Tolerance	Tooth to Tooth Composite Tolerance	Bore	Pitch Dia.	Outside Dia.
Q10	.001	.0004	+ .0005	- .001	- .002
Q12	.0005	.0003	+ .0003	- .0007	- .0015
Q14	.00025	.0002	+ .0002	- .0005	- .001

ORDER BY CATALOG NUMBER

# 303 STAINLESS STEEL	2024-T4 ALUMINUM ANODIZED BEFORE CUTTING	GEAR DATA		
Cat. No.	Cat. No.	No. of Teeth	Pitch Diameter	Outside Diameter
*LBS-H1-20	*LBA-H1-20	20	.2500	.2750
*LBS-H1-21	*LBA-H1-21	21	.2625	.2875
*LBS-H1-22	*LBA-H1-22	22	.2750	.3000
LBS-H1-23	LBA-H1-23	23	.2875	.3125
LBS-H1-24	LBA-H1-24	24	.3000	.3250
LBS-H1-25	LBA-H1-25	25	.3125	.338
LBS-H1-26	LBA-H1-26	26	.3250	.350
LBS-H1-27	LBA-H1-27	27	.3375	.363
LBS-H1-28	LBA-H1-28	28	.3500	.375
LBS-H1-29	LBA-H1-29	29	.3625	.388
LBS-H1-30	LBA-H1-30	30	.3750	.400
LBS-H1-32	LBA-H1-32	32	.4000	.425
LBS-H1-34	LBA-H1-34	34	.4250	.450
LBS-H1-35	LBA-H1-35	35	.4375	.463
LBS-H1-36	LBA-H1-36	36	.4500	.475

* Gear hob cuts into 1/4" hub.

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SPUR GEARS-SPLIT HUB CONTINUED

**80 PITCH
1/8 FACE
1/8 BORE**

20° PRESSURE ANGLE

ORDER BY CATALOG NUMBER

# 303 STAINLESS STEEL		2024-T4 ALUMINUM ANODIZED BEFORE CUTTING		GEAR DATA	
Cat. No.	Cat. No.	No. of Teeth	Pitch Diameter	Outside Diameter	
LBS-H1-38	LBA-H1-38	38	.4750	.500	
LBS-H1-40	LBA-H1-40	40	.5000	.525	
LBS-H1-42	LBA-H1-42	42	.5250	.550	
LBS-H1-44	LBA-H1-44	44	.5500	.575	
LBS-H1-45	LBA-H1-45	45	.5625	.588	
LBS-H1-50	LBA-H1-50	50	.6250	.650	
LBS-H1-55	LBA-H1-55	55	.6875	.713	
LBS-H1-60	LBA-H1-60	60	.7300	.775	
LBS-H1-65	LBA-H1-65	65	.8125	.838	
LBS-H1-70	LBA-H1-70	70	.8750	.900	
LBS-H1-75	LBA-H1-75	75	.9375	.963	
LBS-H1-80	LBA-H1-80	80	1.0000	1.025	
LBS-H1-85	LBA-H1-85	85	1.0625	1.088	
LBS-H1-90	LBA-H1-90	90	1.1250	1.150	
LBS-H1-100	LBA-H1-100	100	1.2500	1.275	
LBS-H1-110	LBA-H1-110	110	1.3750	1.400	
LBS-H1-120	LBA-H1-120	120	1.5000	1.525	
LBS-H1-127	LBA-H1-127	127	1.5875	1.613	
LBS-H1-130	LBA-H1-130	130	1.6250	1.650	
LBS-H1-150	LBA-H1-150	150	1.8750	1.900	

The number of teeth shown does not reflect our entire stock, unlisted teeth supplied at modest additional cost. 14 1/2° pressure angle, special bores and materials - price on application. Split hub gears are designed to clamp to the shaft thereby permitting synchronization with other elements.

REFERENCE INFORMATION...

“The present object is practical, to reach and interest the man that makes the thing written of: the machinist or the millwright that makes the gear wheel, or the draftsman or foreman that directs the work, and to teach him not only how to make it, but what it is that he makes.

To most mechanics a gear is a gear.
 “A yellow primrose by the shore,
 A yellow primrose was, to him,
 And it was nothing more;”

and, in fact, the gear is often a gear and nothing more, sometimes barely that.

But if the mechanic will look beyond the tips of his fingers, he will find that it can be

something more; that it is one of the most interesting objects in the field of scientific research, and not the simplest one; that it has received the attention of many celebrated mathematicians and engineers; and that the study of its features will not only add to his practical knowledge, but also to his entertainment. There is an element in mathematics, and in its near relative, theoretical mechanics, that possesses an educating and disciplining value beyond any capacity for earning present money. The thinking, inquisitive student of the day is the successful engineer or manufacturer of the future.”

Taken from “A Treatise on Gear Wheels” by George B. Grant, copyright 1899. Mr. Grant was the founder of Philadelphia Gear Works Inc., King of Prussia, Pa.

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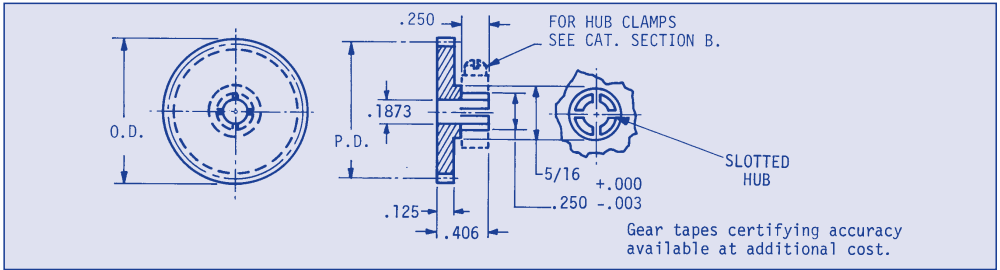
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SPUR GEARS-SPLIT HUB

20° PRESSURE ANGLE

**80 PITCH
1/8 FACE
3/16 BORE**



Specifications: Unless otherwise stated, quality #10 or better gears will be supplied. When ordering Q12 or Q14 please supply the catalog number and add Q12 or Q14.

Gear Class	Total Composite Tolerance	Tooth to Tooth Composite Tolerance	Bore	Pitch Dia.	Outside Dia.
Q10	.001	.0004	+ .0005	-.001	-.002
Q12	.0005	.0003	+ .0003	-.0007	-.0015
Q14	.00025	.0002	+ .0002	-.0005	-.001

ORDER BY CATALOG NUMBER

# 303 STAINLESS STEEL	2024-T4 ALUMINUM ANODIZED BEFORE CUTTING	GEAR DATA		
Cat. No.	Cat. No.	No. of Teeth	Pitch Diameter	Outside Diameter
*LBS-H2-25	*LBA-H2-25	25	.3125	.338
*LBS-H2-26	*LBA-H2-26	26	.3250	.350
*LBS-H2-27	*LBA-H2-27	27	.3375	.363
LBS-H2-28	LBA-H2-28	28	.3500	.375
LBS-H2-29	LBA-H2-29	29	.3625	.388
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LBS-H2-75	LBA-H2-75	75	.9375	.963
LBS-H2-80	LBA-H2-80	80	1.0000	1.025
LBS-H2-85	LBA-H2-85	85	1.0625	1.088
LBS-H2-90	LBA-H2-90	90	1.1250	1.150
LBS-H2-100	LBA-H2-100	100	1.2500	1.275
LBS-H2-110	LBA-H2-110	110	1.3750	1.400
LBS-H2-120	LBA-H2-120	120	1.5000	1.525
LBS-H2-130	LBA-H2-130	130	1.6250	1.650
LBS-H2-150	LBA-H2-150	150	1.8750	1.900

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* Gear hob cuts into 5/16ths hub.

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