



Spur Gear

Pressure Angle 20°, Module 0.5, 0.8, 1.0, 1.5, 2.0, 2.5, 3.0, B Shape, Shaft Bore Fixed Type

■ **Features:** Compared with Straight Bore (GEAHBB), price is reduced by maximum of 76%. This is a stock item that can be shipped next-day.

Type	Material	Surface Treatment
GEAHF	1045 Carbon Steel	Black Oxide

Shape B

Shaft Bore Specifications

Accuracy Previous JIS B 1702 Class 4
(New JIS B 1702-1 Class 8 Equivalent)

■ **Module 0.5/0.8/1.0** (For parts with selectable shaft bore dimensions, see **P.1501 ~ P.1512**; For configuration of the tooth width/hub dimensions, see **P.1513**.)

Part Number Type	Module	Number of Teeth	B	Gear Shape	Shaft Bore Dia. PH7	d Reference Dia.	D Tip Dia.	G Root Dia.	H	L	l1	Unit Price							
GEAHF	0.5	28	3	B	3	14	15	12.75	10	8	5								
		30				15	13.75												
		32				16	14.75												
		35				17.5	16.25												
		36				18	16.75												
		40				20	18.75												
	0.8	2	42	3	B	3	21	22	19.75	10	7		5						
			45				22.5	23.5	21.25										
			48				24	22.75											
			50				25	23.75											
			52				26	24.75											
			60				30	28.75											
1.0	2	70	5	B	5	35	36	33.75	20	7	5								
		80				40	38.75												
		100				50	48.75												
		0.5				7	20	4				B	4	16	17.6	14	10	14	7
							24							19.2	20.8	17.2			
							25							20	21.6	18			
	28		22.4	24	20.4														
	30		24	25.6	22														
	32		25.6	27.2	23.6														
	0.8	5	36	5	B	5	28.8	30.4	26.8	12.5	14	9							
			40				32	33.6	30										
			45				36	37.6	34										
48			38.4				40	36.4											
50			40				41.6	38											
1.0			6				20	6	B				6	20	22	17.5	16	20	8
	21	21		23	18.5														
	22	22		24	19.5														
	23	23		25	20.5														
	24	24		26	21.5														
	25	25		27	22.5														
	2.5	8	26	8	B	8	26	28	23.5	22	20	8							
			27				27	29	24.5										
			28				28	30	25.5										
			29				29	31	26.5										
			30				30	32	27.5										
			32				32	34	29.5										
1.0	10	34	8	B	8	34	36	31.5	28	20	10								
		35				35	37	32.5											
		36				36	38	33.5											
		38				38	40	35.5											
		40				40	42	37.5											
		42				42	44	39.5											
	2.0	10	44	10	B	10	44	46	41.5	30	20	10							
			45				45	47	42.5										
			46				46	48	43.5										
			48				48	50	45.5										
			50				50	52	47.5										
			52				52	54	49.5										
1.0	10	54	8	B	8	54	56	51.5	44	20	10								
		55				55	57	52.5											
		56				56	58	53.5											
		58				58	60	55.5											
		60				60	62	57.5											
		62				62	64	59.5											
	2.0	10	64	10	B	10	64	66	61.5	50	20	10							
			65				65	67	62.5										
			66				66	68	63.5										
			68				68	70	65.5										
			70				70	72	67.5										
			72				72	74	69.5										
1.0	10	75	10	B	10	75	77	72.5	56	20	10								
		80				80	82	77.5											
		84				84	86	81.5											
		85				85	87	82.5											
		90				90	92	87.5											
		95				95	97	92.5											
	2.0	10	96	10	B	10	96	98	93.5	60	20	10							
			100				100	102	97.5										
			110				110	112	107.5										
			120				120	122	117.5										

■ **Module 1.5/2.0/2.5/3.0** (For parts with selectable shaft bore dimension, see **P.1501 ~ P.1512**; For configuration of the tooth width/hub dimensions, see **P.1513**.)

Part Number Type	Module	Number of Teeth	B	Gear Shape	Shaft Bore Dia. PH7	d Reference Dia.	D Tip Dia.	G Root Dia.	H	L	l1	Unit Price									
GEAHF	1.5	20	15	B	6	30	33	26.25	25	27	12										
		21				31.5	27.75														
		22				33	29.25														
		23				34.5	30.75														
		24				36	32.25														
		25				37.5	33.75														
		26				39	35.25														
		27				40.5	36.75														
		28				42	38.25														
		29				43.5	39.75														
		30				45	41.25														
		32				48	44.25														
34	51	47.25																			
2.0	8	35	8	B	8	52.5	55.5	48.75	40	45	27										
		36				54	57	50.25													
		38				57	60	53.25													
		40				60	63	56.25													
		42				63	66	59.25													
		44				66	69	62.25													
		45				67.5	70.5	63.75													
		46				69	72	65.25													
		48				72	75	68.25													
		50				75	78	71.25													
		52				78	81	74.25													
		54				81	84	77.25													
55	82.5	85.5	78.75																		
2.5	12	56	12	B	12	84	87	80.25	50	55	27										
		58				87	90	83.25													
		60				90	86.25														
		62				93	89.25														
		64				96	92.25														
		65				97.5	100.5	93.75													
		66				99	102	95.25													
		3.0				15	21	15					B	8	42	46	37	34	34	14	
							22								44	48	39				
							23								46	50	41				
							24								48	52	43				
							25								50	54	45				
26	52		56	47																	
27	54		58	49																	
28	56		60	51																	
29	58		62	53																	
30	60		64	55																	
32	64		68	59																	
34	68		72	63																	
2.0	10	35	10	B	10	70	74	65	50	55	27										
		36				72	76	67													
		38				76	80	71													
		40				80	84	75													
		42				84	88	79													
		44				88	92	83													
		45				90	94	85													
		46				92	96	87													
		2.5				8	20	8					B	8	50	55	43.75	40	41	16	
							21								52.5	57.5	46.25				
							22								55	60	48.75				
							23								57.5	62.5	51.25				
24	60		65	53.75																	
25	62.5		67.5	56.25																	
26	65		70	58.75																	
27	67.5		72.5	61.25																	
28	70		75	63.75																	
29	72.5		77.5	66.25																	
30	75		80	68.75																	
32	80		85	73.75																	
34	85	90	78.75																		
3.0	10	35	10	B	10	87.5	92.5	81.25	60	60	18										
		36				90	95	83.75													
		20				60	66	52.5													
		21				63	69	55.5													
		22				66	72	58.5													
		23				69	75	61.5													
		24				72	78	64.5													
		25				75	81	67.5													
		26				78	84	70.5													
		27				81	87	73.5													
		28				84	90	76.5													
		29				87	93	79.5													
30	90	96	82.5																		

Ordering Example: Part Number - Number of Teeth - B - Gear Shape - Shaft Bore Dia.
 GEAHF1.0 - 40 - 10 - B - 8

Days to Ship [Configure Online](#)

Price [Configure Online](#)

Pinion mechanism by Round Gear Rack

