Keyless Hub Spur Gear

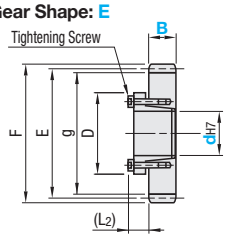
Pressure Angle 20°, Module 1.0, 1.5, 2.0, 2.5, 3.0

Features: Additional machining to shafts (such as keyway) is not required, and the strength of shafts is not compromised. Positioning is easy.

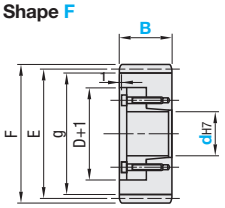
RoHS 10

Type	M Material		S Surface Treatment		A Accessory
	Gears	Bushing	Gears	Bushing	
GEAL	S45C Equivalent	S45C Equivalent	-	-	Hex Socket Head Cap Screw SCM435, Black Oxide
GEALB			Black Oxide		
GEALG			Electroless Nickel Plating		

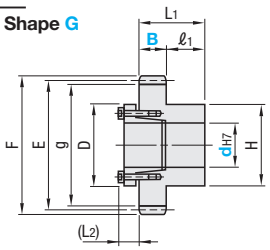
Gear Shape: E



Shape F



Shape G



* Standard Type Bushings (ST) and Short Type Bushings (SH) are available. Refer to the next page.

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

Part Number Type	Module	Number of Teeth	B	Gear Shape	Shaft Bore Dia. dH7 (select from Table 1 on next page) Shape E, G ST Bushing	Shape F ST Bushing	Shape F SH Bushing	E Reference Dia.	F Tip Dia.	G Root Dia.	ℓ1	L1	H	*1 Allowable Transmission Force (N·m) Bending Strength	Unit Price GEAL Shape E	GEAL Shape F	GEAL Shape G	GEALB Shape E	GEALB Shape F	GEALB Shape G	GEALG Shape E	GEALG Shape F	GEALG Shape G
GEAL GEALB GEALG	1.0	35	10	G	8~10	-	-	35	37	32.5	10	20	30	12.13	-	-		-	-		-	-	
		36						36	38	33.5				12.52									
		38						38	40	35.5				13.46									
		40			8~12			40	42	37.5				14.31									
		42						42	44	39.5				15.24									
		45						45	47	42.5				16.66									
		48			8~18			48	50	45.5			44	18.04									
		50						50	52	47.5			46	18.95									
		52						52	54	49.5				19.87									
		60			10~18			60	62	57.5			50	23.64									
		70			12~32			70	72	67.5			56	28.31									
		80			15~32			80	82	77.5			60	32.98									
		100			17~32			100	102	97.5				42.59									
		120						120	122	117.5			70	51.87									
	1.5	20	15	E G	8	-	-	30	33	26.25	12	27	25	18.81		-			-			-	
		24						36	39	32.25			30	24.45									
		25						37.5	40.5	33.75				25.92									
		26						39	42	35.25			32	27.42									
		28			8~12			42	45	38.25			34	30.43									
		30						45	48	41.25			35	33.30									
		32			8~17			48	51	44.25			40	36.11									
		35			8~18			52.5	55.5	48.75				40.93									
		36						54	57	50.25				42.24									
		40			8~30			60	63	56.25			45	48.31									
		48			8~32			72	75	68.25			50	60.90									
		50						75	78	71.25				63.97									
		52						78	81	74.25				67.07									
		60			12~32			90	93	86.25			55	79.80									
		70						105	108	101.25			65	95.56									
		80						120	123	116.25				111.30									
	2.0	15	20	E F G	8	-	-	30	34	25	14	34	24	28.65		-			-			-	
		18						36	40	31			30	38.07		-			-			-	
		20					8	40	44	35			33	44.59									
		24			8~17		8~12	48	52	43			40	57.96									
		25						50	54	45				61.43									
		26						52	56	47			42	64.99									
		30			8~18	-		60	64	55			48	78.93									
		32						64	68	59			50	85.59									
		36			10~32			72	76	67			55	100.13									
		40						80	84	75			60	114.52									
		48						96	100	91			62	144.35									
		50						100	104	95				151.64									
		52			12~32			104	108	99			65	158.99									
		60						120	124	115				189.16									
	2.5	14	25	E F G	8	-	-	35	40	28.75	16	41	25	49.96		-			-			-	
		15						37.5	42.5	31.25			30	55.96		-			-			-	
		16					8	40	45	33.75			32	61.98									
		18			8~14			45	50	38.75			38	74.36									
		20				8~12	-	50	55	43.75			40	87.09									
		24			8~22		14~19	60	65	53.75			48	113.19									
		25						62.5	67.5	56.25			50	119.98									
		28			8~25			70	75	63.75			60	140.86									
		30						75	80	68.75			65	154.16									
		32			10~28			80	85	73.75			70	167.17									
		36			10~35			90	95	83.75			75	195.56									
		40			10~42			100	105	93.75			80	223.66									
		48			12~50			120	125	113.75			85	281.94									
		50						125	130	118.75				296.17									
	3.0	12	30	E F G	8	-	-	36	42	28.5	18	48	27	66.66		-			-			-	
		14			8, 10			42	48	34.5			32	86.33		-			-			-	
		15			8~12	8	-	45	51	37.5			35	96.70									
		16			8~17	8~10	11	48	54	40.5			40	107.10									
		18				8~15	-	54	60	46.5			44	128.50									
		20				8~17	18, 19	60	66	52.5			50	150.49									
		24			8~25		28	72	78	64.5			58	195.60									
		25					28, 30	75	81	67.5			60	207.33									
		28			10~35	8~25	28~35	84	90	76.5			70	243.41									
		30						90	96	82.5			75	266.40									
		32						96	102	88.5				288.88									
		36			12~42			108	114	100.5			80	337.93									
		40			12~45			120	126	112.5			85	386.49									

*1 Allowable Transmission Forces in the table are reference values calculated with prescribed conditions. For conditions, see P. 1498.