

Spur Gears - Tooth Width, Hub Dimensions Configurable

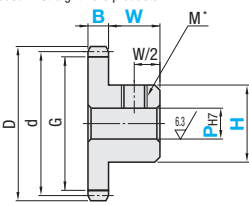
Pressure Angle 20°, Module 0.5, 0.8, 1.0, 1.5, 2.0, 2.5, 3.0



RoHS 10

Type	Material	Surface Treatment	Accessory
Straight Bore	EN 1.1191 Equiv.	Black Oxide	Set Screw (EN 1.7220 Equiv., Black Oxide)
Straight Bore + Tap	EN 1.4301 Equiv.	Electroless Nickel Plating	Set Screw (EN 1.4301 Equiv.)
Keyway + Tap			

Set Screw is not included in Straight Bore products.



Shaft Bore Specifications

Straight Bore	Straight Bore + Tap	Keyway + Tap
		

Keyway Dimension Details **P.1498**
Positioning of keyway and teeth is not fixed.

Tapped Hole Dimension List

Shaft Bore Dia. P _{H7}	M (Coarse)	Accessory: Set Screw
3-5	M3	M3x3
6-12	M4	M4x3
13-17	M5	M5x4
18-30	M6	M6x5
31-40	M8	M8x6

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

Module 0.5, 0.8, 1.0, 1.5

Part Number		Number of Teeth	B 1mm Increment	Shaft Bore Dia. P _{H7} (1mm Increment)		Hub 1mm Increment		d Reference Dia.	D Tip Dia.	G Root Dia.	Unit Price							
Type	Module			Straight Bore	Keyway + Tap	W	H				Straight Bore	Straight Bore + Tap	Keyway + Tap					
Straight Bore GEFHB GEFHBB GEFHBG GEFHS	0.5	20	2-5	3-4-5	-	0-10	P+2sHsd-2 (Straight Bore) P+4sHsd-2 (Straight Bore + Tap)	10	11	8.75								
		24						12	13	10.75								
		25						12.5	13.5	11.25								
		26						13	14	11.75								
		30						15	16	13.75								
		32						16	17	14.75								
		36						18	19	16.75								
		40						20	21	18.75								
		48						24	25	22.75								
		50						25	26	23.75								
	0.8	15	3-10	5	-	0-10	P+2sHsd-2 (Straight Bore) P+4sHsd-2 (Straight Bore + Tap)	12	13.6	10								
		16		6				12.8	14.4	10.8								
		18		6.35				14.4	16	12.4								
		20						16	17.6	14								
		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								
		36						28.8	30.4	26.8								
Straight Bore + Tap GEFB GEFBB GEFBG GEFBS	1.0	20	5-15	8N	-	0-15	P+4sHsd-3 (Straight Bore, Straight Bore + Tap) P+6sHsd-3 (Keyway + Tap)	20	22	17.5								
		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								
		26						26	28	23.5								
		28						28	30	25.5								
		30						30	32	27.5								
		32						32	34	29.5								
Keyway + Tap GEFKB GEFKBB GEFKBG GEFKBS	1.5	16	10-20		-	0-20	P+10sHsd-3 (Straight Bore, Straight Bore + Tap) P+13sHsd-3 (Keyway + Tap)	24	27	20.25								
		18						27	30	23.25								
		20						30	33	26.25								
		24						36	39	32.25								
		25						37.5	40.5	33.75								
		26						39	42	35.25								
		28						42	45	38.25								
		30						45	48	41.25								
		35						52.5	55.5	48.75								
		36						54	57	50.25								
Straight Bore + Tap GEFB GEFBB GEFBG GEFBS	2.0	16	15-25		-	0-25	P+10sHsd-4 (Straight Bore, Straight Bore + Tap) P+12sHsd-4 (Keyway + Tap)	24	27	20.25								
		18						27	30	23.25								
		20						30	33	26.25								
		24						36	39	32.25								
		25						37.5	40.5	33.75								
		26						39	42	35.25								
		28						42	45	38.25								
		30						45	48	41.25								
		35						52.5	55.5	48.75								
		36						54	57	50.25								
Keyway + Tap GEFKB GEFKBB GEFKBG GEFKBS	2.5	16	20-30		-	0-30	P+10sHsd-6 (Straight Bore, Straight Bore + Tap) P+12sHsd-6 (Keyway + Tap)	24	27	20.25								
		18						27	30	23.25								
		20						30	33	26.25								
		24						36	39	32.25								
		25						37.5	40.5	33.75								
		26						39	42	35.25								
		28						42	45	38.25								
		30						45	48	41.25								
		35						52.5	55.5	48.75								
		36						54	57	50.25								
Straight Bore + Tap GEFB GEFBB GEFBG GEFBS	3.0	12	25-35		-	0-35	P+10sHsd-7 (Straight Bore, Straight Bore + Tap) P+12sHsd-7 (Keyway + Tap)	24	27	20.25								
		15						27	30	23.25								
		18						30	33	26.25								
		20						33	36	29.25								
		24						36	39	32.25								
		25						37.5	40.5	33.75								
		26						39	42	35.25								
		28						42	45	38.25								
		30						45	48	41.25								
		35						52.5	55.5	48.75								
Keyway + Tap GEFKB GEFKBB GEFKBG GEFKBS	3.0	12	25-35		-	0-35	P+10sHsd-7 (Straight Bore, Straight Bore + Tap) P+12sHsd-7 (Keyway + Tap)	24	27	20.25								
		15						27	30	23.25								
		18						30	33	26.25								
		20						33	36	29.25								
		24						36	39	32.25								
		25						37.5	40.5	33.75								
		26						39	42	35.25								
		28						42	45	38.25								
		30						45	48	41.25								
		35						52.5	55.5	48.75								

Module 2.0, 2.5, 3.0

Part Number		Number of Teeth	B 1mm Increment	Shaft Bore Dia. P _{H7} (1mm Increment)		Hub Increment		d Reference Dia.	D Tip Dia.	G Root Dia.	Unit Price											
Type	Module			Straight Bore Straight Bore + Tap	Keyway + Tap	W	H				Straight Bore			Straight Bore + Tap			Keyway + Tap					
Straight Bore GEFHB GEFHBB GEFHGB GEFHBS	2.0	15	15~25	8~15	8N-12N	0~25	P+10sHsd-5 (Straight Bore, Straight Bore + Tap)	30	34	25	GEFHB	GEFHBB	GEFHGB	GEFHBS	GEFB	GEFBB	GEFGB	GEFBS	GEFKB	GEFKBB	GEFKGB	GEFKBS
		16						32	36													
		18						36	40													
		20						40	44													
		24		48	52																	
		25		50	54																	
		26		52	56																	
		30		60	64																	
		32		64	68																	
		36		72	76																	
Straight Bore + Tap GEFB GEFBB GEFGB GEFBS	2.0	40	15~25	8~25	8N-20N	0~25	P+12sHsd-5 (Keyway + Tap)	80	84	75												
		48						88	79													
		50						96	100													
		52						100	104													
60	120	124																				
Keyway + Tap GEFKB GEFKBB GEFKGB GEFKBS	2.5	18	20~30	8~15	8N-12N	0~30	P+10sHsd-6 (Straight Bore, Straight Bore + Tap)	45	50	38.75												
		20						50	55													
		25						62.5	67.5													
		28						70	75													
		36		90	95																	
		40		100	105																	
		50		125	130																	
Keyway + Tap GEFKB GEFKBB GEFKGB GEFKBS	3.0	12	25~35	8~15	8N-12N	0~35	P+10sHsd-7 (Straight Bore, Straight Bore + Tap)	36	42	28.5												
		15						45	51													
		18						54	60													
		20						60	66													
		30		90	96																	
		36		108	114																	
		40		120	126																	