


Bonded Plastic Spur Gears

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

Features: Plastic gears with metal cores and MC nylon teeth are fusion bonded. Best suited when strong mounting to shafts is desired.

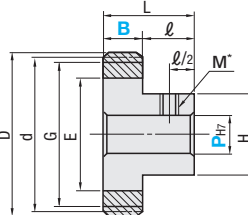


RoHS 10

*Straight Bore Type has neither tapped holes nor set screws.
 *MC nylon may change dimensions due to its water-absorbing property.

Type			Material		Accessory
Straight Bore	Straight Bore + Tap	Keyway + Tap	Teeth	Core	
GEYH	GEYT	GEYK	MC Nylon	S25C	Set Screw (SCM435, Black Oxide)

Gear Shape: Shape B



Shaft Bore Specifications (Selectable Gear Shapes)

Straight Bore (Shape B)	Straight Bore + Tap (Shape B)	Keyway + Tap (Shape B)

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

Tapped Hole Dimension List

Shaft Bore Dia. PH7	M (Coarse)	Accessory Set Screw
8-12	M4	M4x3
13-17	M5	M5x4
18-30	M6	M6x5

Accuracy Previous JIS B 1702 Class 5 (New JIS B 1702-1 Class 9 Equivalent)

Part Number	Type	Module	Number of Teeth	B	Gear Shape	Shaft Bore Dia. PH7 (1mm Increment)		d Reference Dia.	D Tip Dia.	G Root Dia.	H	E	L	ℓ	*1. Allowable Transmission Force (N·m) Bending Strength	Unit Price 1 ~ 4 pc(s).		
						Straight Bore	Keyway + Tap									Straight Bore	Straight Bore + Tap	Keyway + Tap
Straight Bore GEYH Straight Bore + Tap GEYT Keyway + Tap GEYK		1.0	30	10	B	8~12	8N~10N	30	32	27.5	18	20	20	10	10	1.03		
			32					34	29.5	1.11								
			34					36	31.5	1.20								
			35					37	32.5	1.25								
			36					38	33.5	1.30								
			38					40	35.5	1.39								
			40					42	37.5	1.48								
			42					44	39.5	1.57								
			45					47	42.5	1.71								
			48					50	45.5	1.86								
			50					52	47.5	1.96								
			52					54	49.5	2.05								
			56			56	53.5	2.24										
			60			60	57.5	2.44										
			70			70	67.5	2.88										
			75			75	72.5	3.11										
			28			42	38.25	3.18										
			30			45	41.25	3.46										
			32			48	44.25	3.76										
			34			51	47.25	4.06										
			35			52.5	48.75	4.22										
			36			54	50.25	4.38										
			40			60	56.25	5.00										
			42			63	59.25	5.31										
			45			67.5	63.75	5.78										
			48			72	68.25	6.27										
			50			75	71.25	6.60										
			20			40	35	4.91										
22	44	39	5.55															
24	48	43	6.19															
25	50	45	6.54															
28	56	51	7.54															
30	60	55	8.20															
32	64	59	8.91															
34	68	63	9.63															
35	70	65	9.99															
36	72	67	10.38															

* Shaft bore diameter 9N is not available for Keyway Bore + Tap.
 * Specify 10K as P dimension if keyway width of 4.0mm (height 1.8mm) for Keyway + Tap with shaft bore diameter of 10 is desired. **P.1498**
 * 1 Allowable Transmission Forces in the table are reference values calculated with prescribed conditions. For conditions, see **P.1498**.
 * For orders larger than indicated quantity, please request a quotation.