

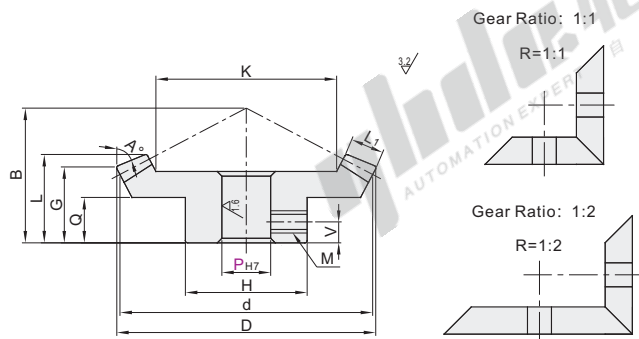
Straight Bevel Gears

Module 1.0/1.5/2.0

Pressure Angle 20°

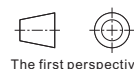


Code	Type	Material		Surface Treatment
		GB	Equiv.	
VNY01	Straight Bore	45	S45C	Black Oxide
VNY11	Straight Bore + Tap			
VNY21	Keyway Bore + Tap			



Shaft Bore Specifications P Shape Selection		
Straight Bore	Straight Bore + Tap	Keyway Bore + Tap

For Keyway dimensions, please refer to the product introduction.



Accuracy: JIS B 1704:1978(Class 4)

Part Number		Nominal	Shaft Bore Dia. P_{H7} 1 mm Inc.		Number of Teeth	Gear Ratio	Mating Gear Number	H	d	D	K	B	L
Code	Module		Straight Bore Straight Bore + Tap	Keyway Bore + Tap									
Straight Bore VNY01	1.0	2020	6~8	6~8	20	1:1	2020	16	20	21.41	11.8	21	14.53
		2525	6~10	8~10	25		2525	20	25	26.41	15	23	14.7
		3030	8~12	8~12	30		3030	22	30	31.41	19.4	26	15.89
		2040	6~8	6~8	20	1:2	4020	16	20	21.79	12.1	29.6	15.03
Straight Bore + Tap VNY11	1.5	4020	8~12	8~12	40		2040	25	40	40.89	28.4	21.8	15.02
		2020	10~12	10~12	20	1:1	2020	24	30	32.12	17.7	28	18.53
		2525	10~14	10~14	25		2525	30	37.5	39.62	23.7	34	21.26
		3030	12~16	12~16	30		3030	33	45	47.12	29.6	38	22.83
Keyway Bore + Tap VNY21	2.0	1836	8~12	8	18	1:2	3618	22	27	29.68	12.2	40.74	22.96
		3618	10~15	10~15	36		1836	30	54	55.34	34.3	26.75	18.54
		2020	12~14	12~14	20		2020	34	40	41.32	23.9	37	24
		2525	12~14	12~14	25	1:1	2525	42	50	51.33	32.3	40	23.34
		3030	16~18	16~18	30		3030	44	60	61.36	38.9	51	30.77
		1836	10	10	18	1:2	3618	28	36	37.81	19.1	53.12	29
		3618	12~14	12~14	36		1836	36	72	72.15	47.6	35.21	24.07

Part Number		Nominal	Number of Teeth	G	Q	V	L ₁	A	M
Code	Module								
Straight Bore VNY01	1.0	2020	20	11.71	9	4.5	4.3	49°3'	M4
		2525	25	11.21	8	4	5.3	48°51'	M5
		3030	30	11.71	8.9	4.5	6.2	47°42'	M5
		2040	20	10.05	8.6	4	5.7	29°8'	M4
Straight Bore + Tap VNY11	1.5	4020	40	12.69	8	4	5.7	66°0'	M5
		2020	20	14.06	10	5	6.8	49°3'	M4
		2525	25	16.31	11.5	5	7.5	48°51'	M5
		3030	30	16.56	12.34	6	9.3	47°42'	M5
Keyway Bore + Tap VNY21	2.0	1836	18	14.41	12.5	6	9.8	29°25'	M4
		3618	36	14.59	10	5	9.8	66°17'	M5
		2020	20	18.41	14	7	8.5	49°3'	M5
		2525	25	16.41	10.99	5	10.5	48°51'	M5
		3030	30	22.41	16.79	8	12.4	47°42'	M6
		1836	18	18.01	15.12	7	12.6	29°25'	M4
		3618	36	19	13	6.5	12.6	66°17'	M5

Spiral bevel gears from different manufacturers may not mesh correctly.

Specify 10K as the P dimension if keyway width of 4.0 mm (height 1.8 mm) for Keyway Bore + Tap with shaft bore diameter of 10 is desired.



Please order as shown

Part Number	Code	Module	Nominal	Shaft Bore Dia. P_{H7}
VNY01	Code	1.0	2020	6~8
VNY01	Code	1.0	2525	6~10

VNY01—1.0—2020—P8

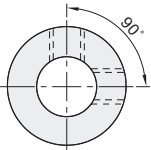
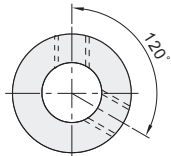
Optional Processing

Part Number	Code	Module	Nominal	Shaft Bore Dia. P_{H7}	Optional Processing Code
VNY01	Code	1.0	2020	6~8	HC90
VNY01	Code	1.0	2525	6~10	HC120

VNY11—1.0—2020—P8—HC90



Optional Processing

Alterations	Adds another set screw at 90° position	Adds another set screw at 120° position
Code	HC90	HC120
Spec.	Ordering Code HC90 ⓘ Adds another set screw at 90° position. ⓘ Not applicable to Straight Bore. 	Ordering Code HC120 ⓘ Adds another set screw at 120° position. ⓘ Not applicable to Straight Bore. 



Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery 10