

Code	Type	Material	Hardness	Surface Treatment
VNU01	L Dimension Configurable	S45C	—	Black Oxide
VNU02	L Dimension Configurable	S45C	45~55HRC	Black Oxide
VNU21	L Dimension Standard	S45C	—	Black Oxide
VNU22	L Dimension Standard	S45C	45~55HRC	Black Oxide

Unhardened gear accuracy JIS B 1702-1 Class 8

Hardened gear accuracy JIS B 1702-1 Class 9

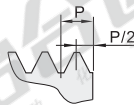
L Dimension Configurable

VNU01/02

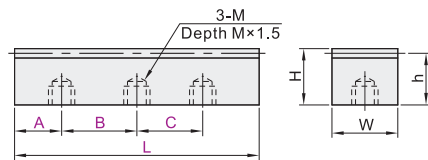
ZA (No Hole Machining)



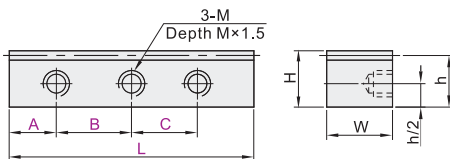
Enlarged View of End Face



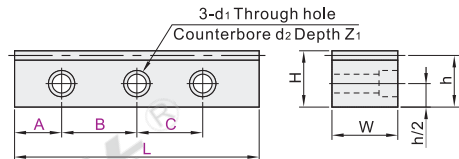
ZB (3 Screw Holes at the Bottom)



ZC (3 Screw Holes on the Side)



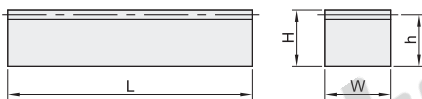
ZD (3 Counterbore on Side)



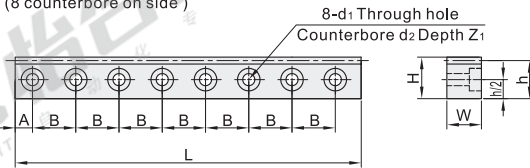
L Dimension Standard

VNU21/22

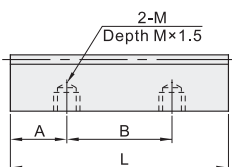
GA (No Hole Machining)



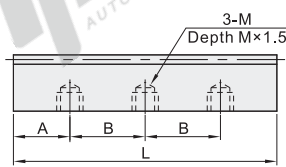
GT (8 counterbore on side)



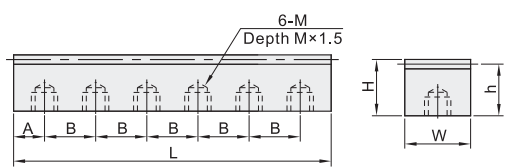
GB (2 Screw Holes at the Bottom)



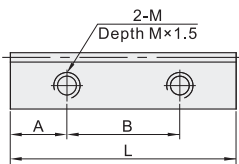
GC (3 Screw Holes at the Bottom)



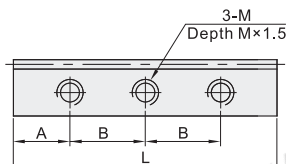
GQ (6 Screw Holes at the Bottom)



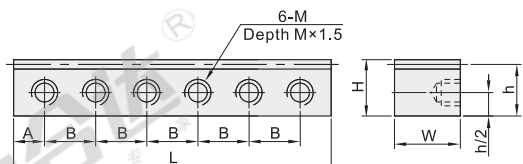
GD (2 Screw Holes on the Side)



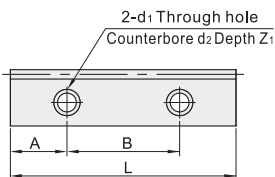
GE (3 Screw Holes on the Side)



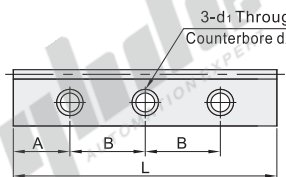
GR (6 Screw Holes on the Side)



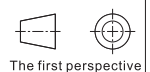
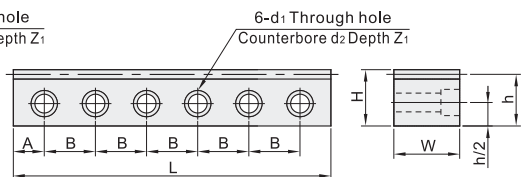
GF (2 Counterbore on Side)



GP (3 Counterbore on Side)



GS (6 Counterbore on Side)



The first perspective

Rack Gears

Module 1.0/1.5/2.0/2.5/3.0/4.0/5.0

Pressure Angle 20°, Number of Holes Fixed Type

L Dimension Configurable

Part Number			L	Hole Position A/B/C	P Pitch	W	H	h	d ₁	d ₂	Z ₁	M
Code	Module	Hole Machining										
VNU01 VNU02	1.0	ZA (No Hole Machining) ZB (3 Screw Holes at the Bottom) ZC (3 Screw Holes on the Side) ZD (3 Counterbore on Side)	20~480	5~475	3.142	10	12	11	3.5	6.5	3.5	M3
	1.5				4.712	15	20	18.5	4.5	8	4.5	M4
	2.0				6.283	20	25	23	5.5	9.5	5.5	M5
	2.5				7.854	25	30	27.5	6.5	11	6.5	M6
	3.0				9.424	30	35	32	9	14	9	M8
	4.0				12.566	39	39	35	11	17.5	11	M10
	5.0				15.708	49	39	34				

L Dimension Standard

Part Number Code	Module	Nominal	Hole Machining	Z Number of Effective Teeth	L	P Pitch	W	H	h	d ₁	d ₂	Z ₁	A	B	M	No. of Holes
VNU21 VNU22	1.0	100	GA	30	94.25	3.142	10	12	11	3.5	6.5	3.5	—	—	—	—
		300	GB GD GF	95	298.45								59.23	180	M3	2
		500	GC GE GP	159	499.51								69.76	180	M3	3
		1000	GA GT	318	999								62.42	124.88	—	8
	1.5	100	GA	21	98.96	4.712	15	20	18.5	4.5	8	4.5	—	—	—	—
		300	GB GD GF	63	296.88								58.44	180	M4	2
		500	GC GE GP	106	499.51								69.76	180	M4	3
		1000	GA GT	212	999.03								62.42	124.88	—	8
	2.0	100	GA	15	94.25	6.283	20	25	23				—	—	—	—
		300	GB GD GF	47	295.31								57.66	180	M5	2
		500	GC GE GP	79	496.37								68.19	180	M5	3
		1000	GA GT	160	1005.28								62.83	125.66	—	8
	2.5	100	GA	12	94.25	7.854	25	30	27.5	5.5	9.5	5.5	—	—	—	—
		300	GB GD GF	38	298.45								59.23	180	M5	2
		500	GC GE GP	63	494.8								67.4	180	M5	3
		1000	GA GT	128	1005.31								62.83	125.66	—	8
	3.0	100	GA	10	94.25	9.424	30	35	32				—	—	—	—
		300	GB GD GF	31	292.17								56.09	180	M5	2
		500	GC GE GP	53	499.51								69.76	180	M5	3
		1000	GA GT	108	1017.9								63.63	127.23	—	8
	4.0	100	GA	7	87.96	12.566	39	39	35				—	—	—	—
		300	GB GD GF	23	289.02								59.01	180	M10	2
		500	GC GE GP	39	490.07								65.03	180	M10	3
		1000	GA GT	79	992.71								56.54	125.66	—	8
	5.0	100	GA	6	94.25	15.708	49	39	34	11	17.5	11	—	—	—	—
		300	GB GD GF	19	298.45								59.22	180	M10	2
		500	GC GE GP	31	502.66								71.33	180	M10	3
		1000	GA GT	63	989.6								54.99	125.66	—	8

GA (No Hole Machining), GB (2 Screw Holes at the Bottom), GC (3 Screw Holes at the Bottom), GD (2 Screw Holes on the Side), GE (3 Screw Holes on the Side), GF (2 Counterbore on Side), GP (3 Counterbore on Side), GQ (6 Screw Holes at the Bottom), GR (6 Screw Holes on the Side), GS (6 Counterbore on Side), GT (8 Counterbore on Side).

Optional Processing	Alterations		One End Tapped				Both Ends Tapped			
	Code		MA ()				MB ()			
Spec.	M		Ordering Code MA4				Ordering Code MB3			
			Module M Selection				Module M Selection			
			1.0 3 4				1.0 3 4			
			1.5~3.0 4 5 6				1.5~3.0 4 5 6			

L Dimension Standard

Part Number Code	Module	Nominal	Hole Machining
VNU21	1.0	100	GA
VNU21	1.5	300	GB GD

VNU21-1.0-300-GB

Optional Processing

Part Number Code	Module	Hole Machining	L	Hole Position A/B/C	Optional Processing Code
VNU01	1.0	ZA	20~480	5~475	MA () MB ()
VNU01	1.5	ZB	20~480	5~475	MA () MB ()

VNU01-1.0-ZB-L200-A30-B30-C30-MB4



Discount price
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Price 100% Additional quotation



Delivery
4