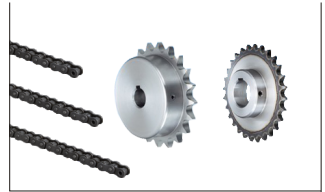


Sprockets

Code	Type	Material		Heat Treatment	Surface Treatment
		GB	Equiv.		
VLG02	50 Series	45	S45C	Induction Hardened Teeth Tip	Black Oxide
VLG11		0Cr18Ni9	SUS304	—	—

❑ The data with * in the H value, Sprockets have grooves on hub O.D.

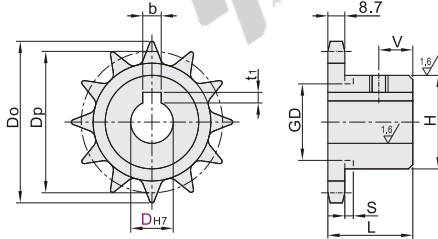
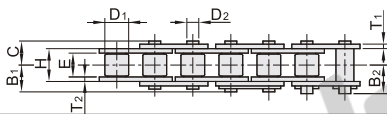
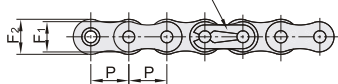
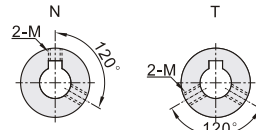
Number of Teeth	S	GD
9		29
10		34
11	6.4	39
12		44
13		49



Chains

Code	Type	Pitch(P)	Material
VMG01	50 Series	15.875	Steel
VMG02			Stainless Steel
VMG03			Steel (Oil Contained Bushings)
VMG21			Steel

❗ 50 series sprockets and chains cannot be combined with 10B series sprockets and chains.

Sprockets
VLG02/11Chains
VMG01/02/03/21 A Joint Link(Snap Type)Shaft Bore Specs.
(New JIS Key + Tap)

❗ Offset between tooth tip and keyway is $\pm 0.5\text{mm}$.

❗ Due to process problems, it is impossible to ensure that the keyways of multiple products coincide with the tooth top.

Shaft Bore Machining Dimension Table

Shaft Bore Dia. D	Keyway b×t ₁	Set Screw M
14~17	5×2.3	6
18~22	6×2.8	6
24~30	8×3.3	8
32~38	10×3.3	8
40~42	12×3.3	8
45~50	14×3.8	10

❗ When the number of chain links is even, the product comes with a full buckle joint;

❗ When the number of chain links is odd, the product comes with a full buckle joint and a half buckle joint;

❗ For additional connectors, P292 can be ordered separately.



Sprockets

Part Number		Shaft Bore Dia.	Do	Dp	Hub		V
Code	Number of Teeth	D _{H7}			H	L	
VLG02-50	9	16 17 18 19	53	46.42	34*		
	10	15 16 17 18 19 20 22 (24) (25)	58	51.37	40*		
	11	15 16 17 18 19 20 22 24 25	64	56.35	45.5*		5
	12	15 16 17 18 19 20 22 24 25 28 30 32	69	61.34	50*	25	
	13	14 15 16 17 18 19 20 22 24 25 28 30 32	74	66.34	51*		
	14	14 15 16 17 18 19 20 22 24 25 28 30 32 35	79	71.34	52		
	15	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38	84	76.35	57		
	16	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40	89	81.37	62		7
	17	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 (45)	94	86.39	67		
	18	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	100	91.42	72		
	19	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	105	96.45			
	20	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45 50	110	101.48			
	21	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	115	106.51			
	22	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	120	111.55			
	23	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	125	116.58			
	24	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	130	121.62			
	25	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	135	126.66			
	26	24 25 28 30 32 35 38 40 45	140	131.70		28	8
	27	24 25 28 30 32 35 38 40 45	145	136.74	73		
	28	24 25 28 30 32 35 38 40 42 45	150	141.79			
	29	24 30	155	146.83			
	30	22 25 28 30 32 35 38 40 45	161	151.87			
	32	25 28 30 32 35 38 40 45	171	161.96			
	33	35	176	167.01			
	34	25 28 30 32 35 38 40 45	181	172.05			
	35	25 28 30 32 35 38 40 45	186	177.1			

❗ The mounting method of specifications corresponding to D size with () is T, and the rest is N.

Sprockets/Chains

◀ 50 Series (10A)

🔴 Sprockets

Part Number		Shaft Bore Dia.										Do	Dp	Hub		V
Code	Number of Teeth	D _{H7}												H	L	
VLG11-50	10	20 22										58	51.37	40*		5
	11	20 22 24 25										64	56.35	45.5*		
	12	20 22 24 25										69	61.34	50*		
	13	20 22 24 25										74	66.34	51*	25	
	14	20 22 24 25 28 30										79	71.34	52		7
	15	20 22 24 25 28 30 32										84	76.35	57		
	16	20 22 24 25 28 30 32 38										89	81.37	62		
	17	20 22 24 25 28 30 32 35 38										94	86.39	67		
	18	20 22 24 25 28 30 32 35 38 40										100	91.42	72		
	19	20 22 24 25 28 30 32 35 38 40										105	96.45			
	20	20 22 24 25 28 30 32 35 38 40										110	101.48			
	21	20 25 30 35 40										115	106.51			
	22	20 25 30 35 40										120	111.55			
	23	20 25 30 35										125	116.58			
	24	20 25 30 35										130	121.62	73	28	8
	25	20 25 30 35 40										135	126.66			
	26	20 25 30 35										140	131.7			
	28	20 25 30 35 40										150	141.79			
	30	20 25 30 35 40										161	151.87			
	32	25 30 35										171	161.96			
	35	25 30 35										186	177.1			

⚠ VLG11 mounting method is N.

🔴 Chains

Part Number		Joint Link	Interior Height	Roller	Pin				Chain Link			
Code	Number of Links		E	D ₁	C	B ₁	B ₂	D ₂	T ₁	T ₂	H	F ₁ F ₂
Standard VMG01-50 VMG02-50		A (Snap Type)	9.52		10.03	12.28	12.28		2.01	2.01	13.84	
Lubrication-Free VMG03-50	4~		9.4	10.16				5.09	2	2.35	14.1	13.02 15.08
Heavy Load VMG21-50			9.52		10.93	11.93	13.23		2.38	2.38	14.50	

🔴 Sprockets

Part Number		Shaft Bore Dia.	
Code	Number of Teeth	D _{H7}	
VLG02-50	9	15 17 18 19	
	10	15 16 17 18 19 20 22 24 25	
	11	15 16 17 18 19 20 22 24 25	

VLG02-50 — 9 — D16

🔴 Chains

Part Number		Joint Link	E
Code	Number of Links		
VMG01-50		A	9.52
VMG03-50	4~		9.4

VMG01-50 — 10 — A



Discount price	Per	1~5	6~
Price	100%	Additional quotation	

⚠ Chains(Lubrication-free)



Discount price	Per	1~9	10~
Price	100%	Additional quotation	

⚠ The Remaining



Delivery	5
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⚠ VLG02-50



Delivery	8
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⚠ VLG11-50
⚠ VMG03-50
⚠ VMG21-50



Delivery	4
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⚠ VMG01-50
⚠ VMG02-50

