

Sprockets

Code	Type	Material		Heat Treatment	Surface Treatment
		GB	Equiv.		
VLF02	40 Series	45	S45C	Induction Hardened Teeth Tip	Black Oxide
VLF11		0Cr18Ni9	SUS304	—	—

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

Number of Teeth	S	GD
9		23
10	5.2	27
11		35
12		35

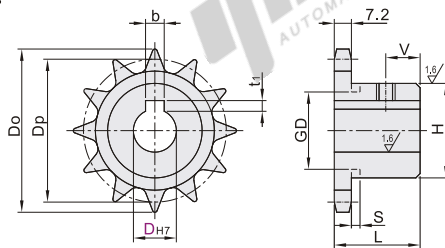


Chains

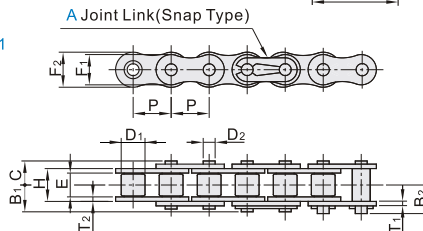
Code	Type	Pitch(P)	Material
VMF01	40 Series	12.7	Steel
VMF21			Stainless Steel
VMF03			Steel (Oil Contained Bushings)

❗ 40 series sprockets and chains cannot be combined with 08B series sprockets and chains.

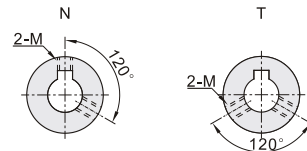
Sprockets
VLF02/11



Chains
VMF01/03/21



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
10	3×1.4	4
12	4×1.8	5
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	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				
VLF02-40	10	12	15	16		46	41.1	32*							
	11		15	16	18	20	51	45.08	36*	5					
	12		15	16	18	20	55	49.07	40*						
	13		15	16	18	20	59	53.07	37						
	14		15	16	17	18	19	20	22	24	25				
	15		15	16	17	18	19	20	22	24	25	28			
	16		15	16	18	19	20	22	24	25	28	30	6		
	17		15	16	18	19	20	22	24	25	28	30			
	18		15	16	18	19	20	22	24	25	28	30			
	19		15	16	18	19	20	22	24	25	28	30			
	20		15	16	18	19	20	22	24	25	28	30			
	21			18	20	22	24	25	28	30	92	85.21	71		
	22			18	20	22	24	25	28	30	96	89.24	75		
	23			18	20	22	24	25	28	30	100	93.27	77		
	24			18	20	22	24	25	28	30	104	97.3		25	7
	25			18	20	22	24	25	28	30	108	101.33			
	26				20	22	25	28	30	112	105.36	63			
	28				20	22	25	28	30	120	113.43				
	30				20	22	25	28	30	128	121.5				
	32				20	22	25	28	30	137	129.57				
35				20	22	25	28	30	149	141.68					
36				20	22	25	28	30	153	145.72	68	28		10	
40				20	22	25	28	30	169	161.87					

❗ VLF02 mounting method is N.

Sprockets/Chains

◀ 40 Series (08A)

☑ Sprockets

Part Number		Shaft Bore Dia.	Do	Dp	Hub		V
Code	Number of Teeth	D _{H7}			H	L	
VLF11-40	9	10 12 14 (15)	42	37.13	28*		5
	10	10 12 14 15 16 17 (18)	46	41.1	32*		
	11	10 12 14 15 16 17 18 19 20	51	45.08	36*		
	12	10 12 14 15 16 17 18 19 20 22	55	49.07	40*		
	13	12 14 15 16 17 18 19 20 22 (24) (25)	59	53.07	37		
	14	12 14 15 16 17 18 19 20 22 24 25 (28)	63	57.07	42	22	
	15	12 14 15 16 17 18 19 20 22 24 25 28 30	67	61.08	46		6
	16	14 15 16 17 18 19 20 22 24 25 28 30 32	71	65.1	50		
	17	14 15 16 17 18 19 20 22 24 25 28 30 32 35	76	69.12	54		
	18	14 15 16 17 18 19 20 22 24 25 28 30 32 35 (40)	80	73.14	57		
	19	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40	84	77.16	62		
	20	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 (45)	88	81.18	67		
	21	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	92	85.21	71		
	22	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	96	89.24	75		
	23	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45	100	93.27	77		
	24	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42	104	97.3			
	25	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42	108	101.33		25	7
	26	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42	112	105.36			
	27	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42	116	109.4	63		
	28	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42	120	113.43			
	29	25	124	117.46			
	30	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42	128	121.5			
	32	20 22 24 25 28 30 32 35 40	137	129.57			
	34	20 22 24 25 28 30 32 35 40	145	137.64			
	35	20 22 24 25 28 30 32 35 40	149	141.68			10
	36	20 22 24 25 28 30 32 35 40	153	145.72	68	28	
	38	24 25 28 30 32 35 40	161	153.79			
	40	25 28 30 32 35 40	169	161.87			

❗ The mounting method of specifications corresponding to D size with () is T, and the rest 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
VMF01-40 VMF21-40	4~	A (Snap Type)	7.92	7.92	8.13	10.23	10.23	3.98	1.49	1.49	11.17	10.41	12.07
VMF03-40			7.85						1.5	2	11.85		

☑ Sprockets

Part Number		Shaft Bore Dia.	Do
Code	Number of Teeth	DH7	
VLF11-40	9	10 12 14 15	42
	10	10 12 14 15 16 17 18	46
	11	10 12 14 15 16 17 18 19 20	51

VLF11-40 — 9 — D10

☑ Chains

Part Number		Joint Link	E
Code	Number of Links		
VMF01-40 VMF21-40	4~	A	7.92

VMF01-40 — 10 — A



Please order as shown



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

❗ Chains(Lubrication-Free)



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

❗ The Remaining



❗ VLF02-40



❗ VLF11-40
❗ VMF03-40



❗ VMF01-40
❗ VMF21-40

