

Clamp-type High-Torque Circular-Arc Toothed Synchronous Wheel ▶ S3M/S5M/S8M Type



Please order according to the diagram

①~④ Select the type and parameters in the order of for ordering

Model(①Code) — ②Number Teeth — ③Wheel Type — ④Shaft Hole Specification dH7
VHBCA — 24 — S8M150 — d12



Price Excluding Tax (Yen)

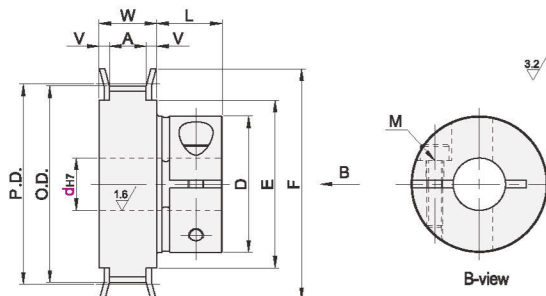
Discounted Price		
Quantity	1~9	10~
Price	100%	Separate Quotation



CAD 2D/3D

Code	Type	Material		Surface Treatment	Accessory
		Wheel	Flange		
VHBCA	Clamping type	Aluminum Alloy	Aluminum Alloy	Natural Anodizing	1 Set Hexagon Socket Head Cap Screw (SUS304)

■ Features: Easy positioning with bolted connection to the shaft.

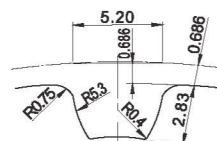
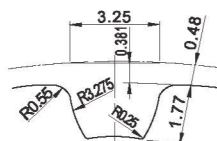
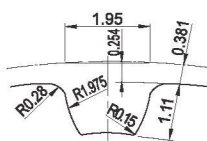


Standard Tooth Profile

S3M Type (Tooth Spacing: 3.0)

S5M Type (Tooth Spacing: 5.0)

S8M Type (Tooth Spacing: 8.0)



⚠ Please note that the inner surface of the shaft hole may not be finished, and the tooth space dimensions may vary slightly depending on the number of teeth.

■ S3M Type

Model Code	Number Teeth	Wheel Type	Shaft Hole Specification dH7	P.D.	O.D.	D	F	E	L	V	Nominal width pulley		Clamp Bolt	
											A	W	M-Length	Tightening Torque(N.m)
VHBCA	24		4	22.92	22.16		25	16			Belt Width 6 S3M060 A: 7 W: 11	M2-8	0.4	
	26		4	24.83	24.07	13	28	18						
	28		4	26.74	25.98		30	20	9					
	30		6 8	28.65	27.89		32	23						
	32		6 8	30.56	29.8	20	35	25			Belt Width 10 S3M100 A: 11 W: 15	M2.5-8	1.5	
	36		6 8	34.38	33.62		40	28						
	40		8 10	38.2	37.44	26	44	32	12.5					
	44		8 10	42.02	41.25	31	48	36						
	48		8 10 11 12	45.84	45.07	33	50	38	14					
	50		8 10 11 12 13 14	47.75	46.98	36	52	40						
	60		8 10 11 12 13 14 15 16	57.3	56.53	41	61	46	15.5					

■ S5M Type

Model Code	Number Teeth	Wheel Type	Shaft Hole Specification dH7	P.D.	O.D.	D	F	E	L	V	Nominal width pulley		Clamp Bolt	
											A	W	M-Length	Tightening Torque(N.m)
VHBCA	24		8 10	38.2	37.24	26	45	30	12.5				M3-10	1.5
	25		8 10	39.79	38.83									
	26		8 10	41.38	40.42									
	28		8 10	44.56	43.6	31	48	35			Belt Width 10 S5M100 A: 11 W: 16	M4-14	3.5	
	30		10	47.75	46.79		52	36	14					
	32		10 11 12 13 14	50.93	49.97	36	55	40						
	34		10 11 12 13 14 15 16	54.11	53.15						Belt Width 15 S5M150 A: 17 W: 22	M5-16	6	
	36		10 11 12 13 14 15 16	57.3	56.34	41	61	45	15.5					
	40		10 11 12 13 14 15 16 17 18 19	63.66	62.7	46	67	50						
	44		12 13 14 15 16 17 18 19			46			15.5					
			20 21 22 23 24	70.03	69.07	55	74	58	16.5					
						55			16.5					
	48		12 13 14 15 16 17 18 19	76.39	75.43	46	83	63	15.5					
			20 21 22 23 24 25			55			16.5					
						55			15.5					
	50		12 13 14 15 16 17 18 19	79.58	78.62	46	87	67	16.5					
			20 21 22 23 24 25			55			16.5					
						55			15.5					
	60		12 13 14 15 16 17 18 19	95.49	94.53	46	99	80	16.5					
			20 21 22 23 24 25			55			16.5					

Clamp-type High-Torque Circular-Arc Toothed Synchronous Wheel ▶ S3M/S5M/S8M Type

S5M Type

Model		Wheel Type	Shaft Hole Specification dH7	P.D.	O.D.	D	F	E	L	V	Nominal width pulley		Clamp Bolt					
Code	Number Teeth										A	W	M-Length	Tightening Torque(N.m)				
VHBCA	20	S8M150 S8M250	12 13 14	50.93	49.56	36	58	40	14	2.5	Belt Width15 S8M150 A: 17 W: 22	M4-14	3.5					
	22		12 13 14 15 16	56.02	54.65	41	61	45										
	24		12 13 14 15 16 17 18 19	61.12	59.74		67	50										
	25		12 13 14 15 16 17 18 19	63.66	62.29	46	70	56	16									
	28		15 16 17 18 19	71.3	69.93	55	80	60	17									
	30		20 21 22 23 24 25	76.39	75.02	48			16									
	32		20 21 22 23 24 25	18 19	81.49	80.12	46	87	67		16	Belt Width25 S8M250 A: 28 W: 33	M6-20	12				
															17			
																16		
																	17	
																		16
34	20 21 22 23 24 25	18 19	86.58	85.21	46	95	75	16	M5-16	6								
											55	17	16	12				
36	20 21 22 23 24 25	18 19	91.67	90.3	46	99	80	16	M5-16	6								
											55	17	16	12				

Allowable Torque(S3M Type)

Wheel Type	Number Teeth	Shaft Hole Specification d	Allowable Torque (N·m)
S3M	24 26 28	4	0.16
		6	0.95
	30 32	8	2.6
		6	0.95
	36	8	2.6
		10	
	40	8	
		10	
	44	8	
		10	
	48	8	
		10	
		11	2.6
		12	
		8	
		10	
	50	11	
		12	
		13	
		14	7.6
		8	
		10	
	60	11	2.6
		12	
		13	
		14	
		15	7.6
		16	

Allowable Torque(S5M Type)

Wheel Type	Number Teeth	Shaft Hole Specification d	Allowable Torque (N·m)
S5M	24 25	8	
		10	
	26 28	8	
		10	
	30	10	2.6
		11	
	32	12	
		13	
		14	7.6
		10	
		11	
	34 36	12	2.6
		13	
		14	
		15	7.6
		16	
		10	
		11	
		12	2.6
		13	
		14	
	40	14	
		15	
		16	
		17	7.6
		18	
		19	
		12	2.6
		13	
		14	
		15	
	44 48	16	7.6
		17	
	50 60	18	
		19	
		20	48
		21	
		22	66
		23	
		24	95
		25	

Allowable Torque(S8M Type)

Wheel Type	Number Teeth	Shaft Hole Specification d	Allowable Torque (N·m)
S8M	20	12	2.6
		13	
		14	7.6
		12	
	22	13	2.6
		14	
		15	7.6
		16	
		12	
		13	2.6
		14	
	24 25	15	
		16	7.6
		17	
		18	
		19	
		15	
		16	
		17	7.6
		18	
	28 30	19	
		20	48
		21	
		22	66
		23	
		24	95
		25	
		18	7.6
		19	
	32 34 36	20	48
		21	
		22	66
		23	
		24	95
		25	