

Trapezoidal Toothed Synchronous Wheel ▶ XL Type

Tooth Pitch 5.08



Please order according to the diagram

①~⑥ Select the type and parameters in the order of for ordering

Model (● Code) — Number Teeth — Wheel Shape — Shaft Hole Specification — Shaft Hole Specification (H7)

VEPBP-XL025 — 30 — A — V — d18



Discounted Price
Quantity 1~9 10~
Price 100% Separate Quotation
Price Excluding Tax (¥/unit)

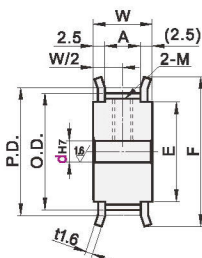
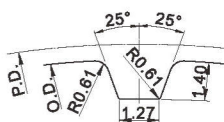


CAD 3D

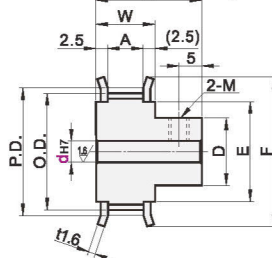
Code	Wheel Type	Belt Width	Tooth Spacing	Material Wheel Flange	Surface Treatment	Code	Wheel Type	Belt Width	Tooth Spacing	Material Wheel Flange	Surface Treatment
VEPBP	XL025	6.4 (1/4inch)	5.08	Aluminum Alloy	Natural Anodizing	VEPDY	XL037	9.5 (3/8inch)	5.08	Aluminum Alloy	Natural Anodizing
VEPBQ				Aluminum Alloy	Black Anodizing	VEPDZ				Aluminum Alloy	Black Anodizing
VEPBR				Aluminum Alloy	Electroless Nickel Plating	VEPDA				Aluminum Alloy	Electroless Nickel Plating
VEPBT				Aluminum Alloy	Black Oxide Finish	VEPDB				Aluminum Alloy	Black Oxide Finish
VEPBS				Aluminum Alloy	Electroless Nickel Plating	VEPEC				Aluminum Alloy	Natural Anodizing
VEPCU	XL031	7.9 (5/16inch)		Aluminum Alloy	Natural Anodizing	VEPEF	XL050	12.7 (1/2inch)		Aluminum Alloy	Black Anodizing
VEPCV				Aluminum Alloy	Black Anodizing	VEPEF				Aluminum Alloy	Electroless Nickel Plating
VEPCW				Aluminum Alloy	Electroless Nickel Plating	VEPEG				Aluminum Alloy	Electroless Nickel Plating

Wheel Shape A Shaped

Standard Tooth Profile



Wheel Shape B Shaped



Shaft Hole P.N.C Threaded Holes Size Chart

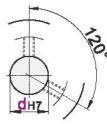
Inner Diameter Shaft Hole dH7	M	Attachment Tightening Screws
3~5	M3	M3×3
6~18	M4	M4×3
19~21	M5	M5×4

Shaft Hole Specification

H Round Hole



P Round Hole+Threaded Hole



① When selecting A-shaped wheels with 15 teeth or less, P is not applicable to nominal width XL025.

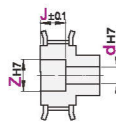
N New JIS Keyway Hole+Threaded Hole

C Old JIS Keyway Hole+Threaded Hole



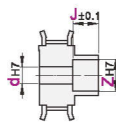
① When selecting A-shaped wheels with 15 teeth or less, Only the keyway of nominal width XL025 does not have a threaded hole.
② Please see the Synchronous Wheel Product Overview for detailed keyway sizes.

V Stepped Hole



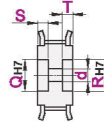
① Not Applicable for K Shape

F Stepped Hole (Hub Side Counterbore)



① Applicable Only to B Shape

Y Stepped Holes at Both Ends



① Applicable Only to A Shape

Model	Wheel Shape	Shaft Hole Specification	Shaft Hole Specification dH7 (Minimum Unit 1)								Shaft Hole V, F				Shaft Hole Y (Minimum Unit 1)		P.D.	O.D.	D	F	E	Nominal width pulley							
Code	Material		A Shaped				B Shaped				Z (Minimum Unit 1)		J (Minimum Unit 1)		Q:R	S:T						A	W	L					
Aluminum Alloy	10	H	4-7	—	4-5	4-5	5-6	5-6	—	4	6-7	6	6-7	6-7	16.17	15.66	10	24	12	Belt Width 6.4	XL025	A:7.5	W:12.5	L:21					
	11		4-7	—	4-5	4-5	5-6	5-6	—	4	6-7	6	6-7	17.79	17.28	24	12												
	12		4-10	4-6	4-8	4-8	5-8	5-6	4-5-6	6-10	6-7-8	6-10	19.40	18.90	12	25	15												
	14		5-13	5-9	8	5-11	5-11	6-11	6-8	8	5-9	7-13	7-11	7-13	22.64	22.13	15	28	18										
	15		5-13	5-11	8-10	5-11	5-11	6-13	6-10	8-10	5-10	7-13	7-12	7-13	24.26	23.75	32	20											
	16		6-13	6-13	8-13	6-11	6-13	6-13	6-10	8-10	6-10	9-13	9-12	10-14	25.87	25.36	17	32	20										
	18		6-16	6-15	8-15	6-14	6-14	6-16	6-13	8-13	6-14	9-16	9-16	10-17	29.11	28.60	36	24											
	19		6-16	6-15	8-15	6-14	6-14	6-16	6-15	8-13	6-14	9-16	9-16	10-17	30.72	30.22	36	24											
	20		8-19	8-16	8-16	8-17	8-17	8-19	8-15	8-15	8-17	11-19	11-19	12-19	32.34	31.83	40	27											
	21		8-19	8-18	8-18	8-17	8-17	8-19	8-16	8-16	8-17	11-19	11-19	12-19	33.96	33.45	24	40	27										
22	P	8-22	8-20	8-20	8-20	8-20	8-22	8-18	8-18	8-20	11-23	11-23	12-22	35.57	35.07	26	45	30	Belt Width 7.9	XL031	A:9	W:14	L:23						
24		8-22	8-22	8-22	8-20	8-20	8-22	8-18	8-18	8-20	11-23	11-23	12-22	38.81	38.30	45	30												
25		8-27	8-22	8-22	8-25	8-25	8-26	8-19	8-19	8-24	11-27	11-27	12-27	40.43	39.92	48	35												
26		8-27	8-23	8-23	8-25	8-25	8-26	8-20	8-20	8-24	11-27	11-27	12-27	42.01	41.53	30	48	35											
28		8-32	8-26	8-26	8-30	8-30	8-31	8-25	8-25	8-29	11-32	11-31	12-32	45.28	44.77	55	40												
30		B	10-32	10-30	10-30	10-30	10-30	10-31	10-25	10-25	10-29	13-32	13-31	15-32	48.51	48.00	35	55						40	Belt Width 9.5	XL037	A:11	W:16	L:25
32			10-37	10-30	10-30	10-35	10-35	10-36	10-30	10-30	10-34	13-37	13-36	15-37	51.74	51.24	61	45											
34			10-38	10-30	10-30	10-35	10-35	10-36	10-30	10-30	10-34	13-37	13-36	15-37	54.98	54.47	61	45											
36			10-42	10-30	10-30	10-40	10-40	10-36	10-30	10-30	10-34	13-42	13-36	15-42	58.21	57.70	67	50											
38			10-43	10-30	10-30	10-40	10-40	10-36	10-30	10-30	10-34	13-42	13-36	15-42	61.45	60.94	67	50											
40	10-50		10-30	10-30	10-48	10-48	10-36	10-30	10-30	10-34	13-50	13-36	15-50	64.68	64.17	74	58												
42	10-50		10-30	10-30	10-48	10-48	10-36	10-30	10-30	10-34	13-50	13-36	15-50	67.91	67.41	40	74	58											
44	10-52		10-30	10-30	10-50	10-50	10-36	10-30	10-30	10-34	13-52	13-36	15-52	71.15	70.64	80	60												
46	10-55		10-30	10-30	10-50	10-50	10-36	10-30	10-30	10-34	13-52	13-36	15-52	74.38	73.87	80	60												
48	10-59		10-30	10-30	10-57	10-57	10-36	10-30	10-30	10-34	13-59	13-36	15-59	77.62	77.11	87	67												
50	10-59	10-30	10-30	10-57	10-57	10-36	10-30	10-30	10-34	13-59	13-36	15-59	80.85	80.34	87	67													
60	10-76	10-30	10-30	10-74	10-74	10-36	10-30	10-30	10-34	13-76	13-36	15-76	97.01	96.51	104	84													
72	10-80	10-30	10-30	10-80	10-75	10-36	10-30	10-30	10-34	13-84	13-36	15-84	116.43	115.92	123	102													

- ① Shaft Hole Specification H, V, F, Y when, no threaded holes. ② The bore diameter of 8.35 is only applicable to shaft hole specification H, P, V, F. ③ The bore diameter of 9 is not applicable to shaft hole specification N.
④ The bore diameter of 8, 9, 11, 13, 14, 17, 21~30 is not applicable to shaft hole specification C. ⑤ *Optional Processing* Please refer to the Synchronous Wheel Product Overview.
⑥ When selecting a new JIS keyway hole + threaded hole with a shaft hole diameter of 10, the keyway size can be chosen as N-d10 or N-d10K (please refer to the Synchronous Wheel Product Overview).

Synchronous Pulley 18