

Chain Wheel/Chain ▶ 50 Series (10A)



Please order according to the diagram

①~⑤ Select the type and parameters in the order of for ordering

Chain Wheel

Model(①Code) — ②Number Teeth — ③D_{H7}
ECFCA-50 — 9 — D16

Chain

Model(④Code) — ⑤Number sections — ⑥Connector Type
EDEGA-50 — 10 — A



Discounted Price

Quantity 1~9 10~
Price 100% Separate Quotation

Price Excluding Tax (¥/unit)



CAD 3D

Chain Wheel

Code	Type	National Standard	Equivalent	Heat Treatment	Surface Treatment
ECFCA	50 Series	45	S45C	High-frequency tooth tip	Black Oxide Finish
ECFCB		0Cr18Ni9	SUS304	—	—

Chain

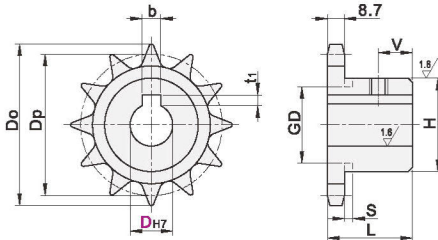
Code	Type	Pitch(P)	Material
EDEGA	50 Series	Standard type	Steel
EDEGB			Stainless Steel
EDEHC		Self-lubricating	Steel (oil-impregnated bushing)
EDEJD		Heavy Duty	Steel

Chain sprocket hubs with an asterisk (*) in the H value have slots.

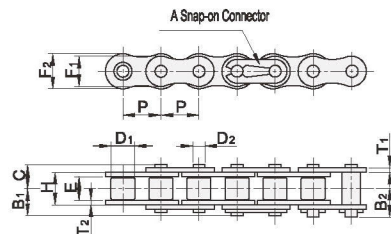
Number Teeth	S	GD
9		29
10		34
11	6.4	39
12		44
13		49

① Please do not use Series 50 sprocket chains with Series 10B sprocket chains!

Chain Wheel

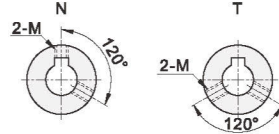


Chain



- ① When the number of chain links is even, the product will be supplied with one full-buckle connector.
- ② When the number of chain links is odd, the product will be supplied with one full-buckle connector and one half-buckle connector.
- ③ Additional connectors can be ordered separately.

Installation Method
(keyways+Threaded Hole)



- ① Offset between tooth tip and keyway center is +0.5.
- ② Due to manufacturing tolerances, it is not possible to ensure that the tooth tips and keyways of multiple products will align perfectly.

Keyway/Threaded Hole Size

D	Keyway b×t ₁	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

Chain Wheel

Model		Shaft Hole Diameter	Outer Diameter	Diameter of Reference Circle	Hub		V		
Code	Number Teeth	D _{H7}	Do	Dp	H	L			
ECFCA-50	9	16 17 18 19	53	46.42	34*		5		
	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*				
	12	15 16 17 18 19 20 22 24 25 28 30 32	69	61.34	50*				
	13	14 15 16 17 18 19 20 22 24 25 28 30 32	74	66.34	51*	25			
	14	14 15 16 17 18 19 20 22 24 25 28 30 32 35	79	71.34	52		7		
	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				
	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		8		
	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		73		28	8
	27	24 25 28 30 32 35 38 40 45	145	136.74					
	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					

① The installation method for specifications corresponding to the () D dimension is T, and the remaining specifications are N.

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Chain Wheel

Model		Shaft Hole Diameter	Outer Diameter	Diameter of Reference Circle	Hub		V
Code	Number Teeth	D _{H7}	D _o	D _p	H	L	
ECFCB-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*		
	14	20 22 24 25 28 30	79	71.34	52	25	
	15	20 22 24 25 28 30 32	84	76.35	57		7
	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			8
	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	
	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			

ECFCB Installation method N.

Chain

Model		Connector Type	Inner Height of Inner Link	Roller Outer Diameter	Pin				Link				
Code	Number sections		E	D ₁	C	B ₁	B ₂	D ₂	T ₁	T ₂	H	F ₁	F ₂
Standard type EDEGA-50 EDEGB-50		A (Snap-on)	9.52		10.03	12.28	12.28		2.01	2.01	13.84	13.02	15.08
Self-lubricating EDEHC-50	4~		9.4	10.16	10.93	11.93	13.23	5.09	2	2.35	14.1		
Heavy Duty EDEJD-50			9.52						2.38	2.38	14.50		

Example

