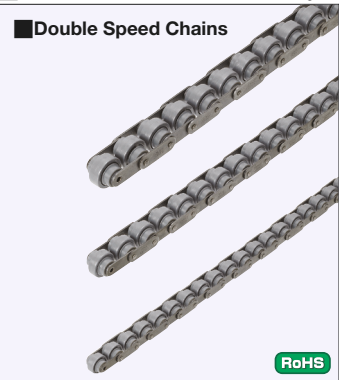


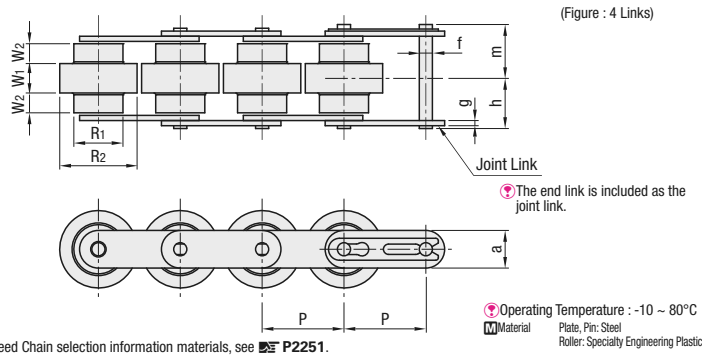
Double Speed Chains & Sprockets / Aluminum Extrusions / Return Guides

■Features: Mixed structure of Small and Large Diameter Rollers enables a workpiece to be conveyed approx. 2.5 times faster than the chain speed. Suitable for free flow conveyors.

■Double Speed Chains



WCHE



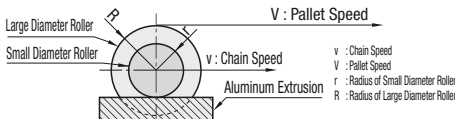
Part Number Type	Nominal	Number of Links Specification (Specify Even Number)	Pitch P	Roller			Plate		Pins			Max. Allowable Tension (kN)	Speed Multiplier	Approx. Mass kg/m	Unit Number of Links
				R ₁	R ₂	W ₁	a	g	f	h	m				
(Chain) WCHE	3	4~550	19.05	11.91	18.3	7.0	4.1	8.8	1.2	3.28	11.2	12.95	0.55	2.54	0.4
	4	4~410	25.40	15.88	24.6	9.0	6.0	11.7	1.5	3.97	15.2	16.75	0.88	2.55	0.8
	5	4~350	31.75	19.05	30.0	11.4	7.0	14.6	2.0	5.08	19.45	20.90	1.37	2.57	1.3

Part Number Type	Nominal	Unit Price 1 ~ 2 pc(s).		Cutting Charge (+ Unit Price)
		Number of Links less than 1 Unit	Number of Links 1 Unit or More	
(Chain) WCHE	3	120 x Number of Links	100 x Number of Links	
	4	120 x Number of Links	100 x Number of Links	
	5	150 x Number of Links	130 x Number of Links	

⚠No cutting charge when placing orders by Unit Number of Links.

Ordering Example: Part Number - Number of Links
WCHE3 - 200

■Principle of the Double Speed Chains



When a chain runs at v speed, circumferential velocity of the small diameter roller is v. At this time circumferential velocity of the large diameter roller becomes (R/r)·v due to ratio of radius. Therefore, Pallet Speed V becomes a value that chain speed V and (R/r)·v are combined. $V=(R/r) \cdot v + v = (R/r + 1) \cdot v$. Since the ratio of radius of the large diameter roller and the small diameter roller is approximately 1.5:1 $V=(1.5+1) \cdot v = 2.5v$

■Double Speed Sprockets



WESP

