



Chain and Roller Combinations

Combine four base chains and seven roller types to select the perfect chain for your needs. (Possible combinations are marked with a circle below.) Snap covers for Double Plus Chain available with any combination.



Combination of base chain and rollers

Chain (series, material, application)	Engineering plastic rollers				Urethane lining ※1		Steel roller
	VRPA General use type	VRPB High friction type	VRPC Electroconductive type	VRPD Electroconductive high friction type	VRPUA General use type	VRPUB High friction type	VR
Standard Series (steel)	○	○	○	○	○	○	○
HCP Series (Hardened chrome plating) For applications where rust is to be avoided, such as clean rooms.	○	○	○	○	○	○	-
SS Series (18-8SUS, SUS304 equivalent) For applications where magnetism and rust are to be avoided ※2	○	○	○	○	○	○	-
Lambda Series (lube-free, base chain same as Standard Series) For application where it is impossible or undesirable to lubricate	○	○	○	○	○	○	-

※1 Urethane lining available for RF2030VRP only.

※2 There is slight magnetism from plastic deformation during part processing and assembly. Contact a Tsubaki representative if absolutely no magnetism is required.

Roller (by need)

Roller series	Photo	Roller type		Need	Lubrication	Atmosphere
		Large roller (color)	Small roller (color)			
VRPA General use type		Standard (brown)	Standard (gray)	10dB quieter than general plastic outboard roller chain	Can be used without additional lubrication. If using Lambda Chain, base chain will not need additional lubrication either.	Uses engineering plastic rollers and so cannot be used in contact with water, even if the base chain is HCP or SS Series.
VRPB High friction type		Standard (brown)	High friction (cream)	quick start up, low noise		
VRPC Electroconductive type		Electroconductive (black)	Standard (gray)	Volume resistivity $10^6 \Omega \cdot \text{cm}$		
VRPD Electroconductive high friction type		Electroconductive (black)	High friction (cream)	Volume resistivity $10^6 \Omega \cdot \text{cm}$ quick start up, low noise		
VRPUA General use type		Urethane lining (clear)	Standard (gray)	For direct conveyance		
VRPUB High friction type		Urethane lining (clear)	High friction (cream)	For direct conveyance, quick start up, low noise		
VR		steel	steel	High load	Required	Will rust in humid environments.



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