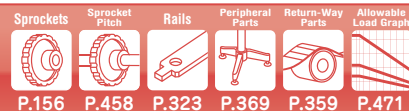


Plastic Modular Chain

BTC8S

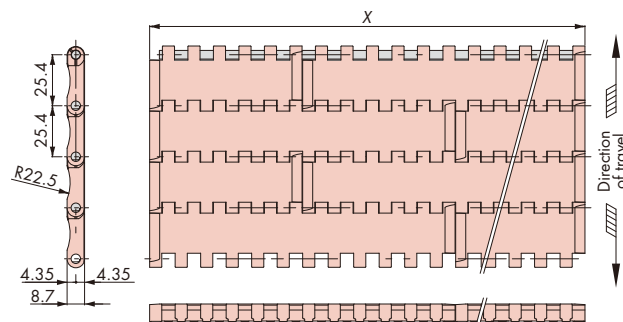
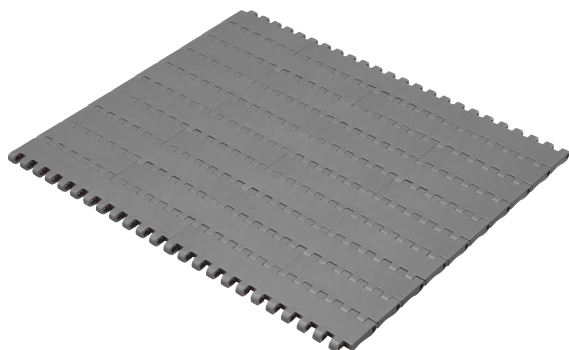
BT8 Series

Straight Running (Wide Type)



Features

1. Mass handling is possible due to the wide carry-way, which is a combination of a wide module with a narrow module in a brick-layered array.
2. Lightweight and easy-handling due to all plastic-made chain.



Chain pitch mm	Open area %	Backflex radius mm
25.4	3	25

Chain Material Table

Standard Chain	
Material	Standard
Material mark	B
Link color	Blue
Max. allowable load kN/m {kgf/m}	12.8{1305}
Chain mass kg/m ²	8.5
Max. allowable speed m/min	With lube No lube
	50
Operating temperature range °C	-20 to (60) 80
Pin material	Special engineering plastic
Snap attachment material	Polyacetal
Snap attachment color	Light blue
Available	△

- Note: 1. "△": Made-to-order product (RFQ). Not available for other chain materials that are not listed in the chain material table on the left.
2. The maximum allowable load indicates the value specified for a normal temperature (20°C) when loads are evenly applied to the entire surface of the chain in a widthwise direction. The value differs depending on use conditions (temperature, speed, etc.). Refer to the load diagram of the chain. The maximum allowable load shown in the above chain material table is specified in a unit of 1 m chain width. Calculate the maximum allowable load of the chain to be examined by multiplying the maximum value per meter by its width X.
3. Operating temperature of (the value in parentheses) is for wet condition.
4. Number of links per unit (chain width X): 120 (304.8 mm or less), 60 (381 to 1,676.4 mm), 40 (over 1,752.4 mm).

Tsubaki Model Table

Chain width X	Standard chain B Chain type
76.2	BTC8S-762-B
152.4	BTC8S-1524-B
228.6	BTC8S-2286-B
304.8	BTC8S-3048-B
381.0	BTC8S-3810-B
457.2	BTC8S-4572-B
533.4	BTC8S-5334-B
609.6	BTC8S-6096-B
685.8	BTC8S-6858-B

Chain width X	Standard chain B Chain type
762.0	BTC8S-7620-B
838.2	BTC8S-8382-B
914.4	BTC8S-9144-B
990.6	BTC8S-9906-B
1066.8	BTC8S-10668-B
1143.0	BTC8S-11430-B

- Note: 1. Standard nominal width are increments of 3 inches (76.2 mm). Custom widths or width wider than 1,143 mm. Contact a Tsubaki representative for more information.
2. The chain width X is the nominal width which expands and contracts due to temperature change. As a guideline, expansion and contraction specifications are 0.00012/°C based on 20°C.

Model Numbering

Chain type	Link shape	Chain pitch	Chain type	Chain width	Material mark	Number of links	Unit
BT	C	8	S	- 7620 <small>Note: 2</small>	- B	+ 80 <small>Note: 3</small>	L
	C: Closed type	8: 25.4 mm					L: Link

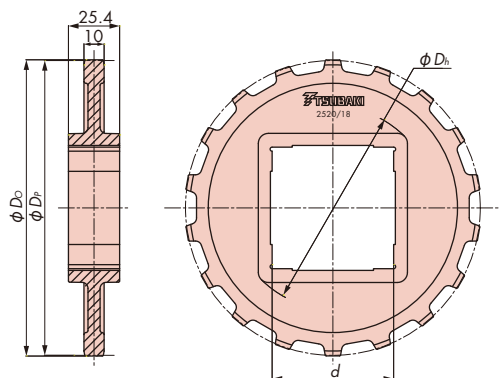
- Note: 1. Do not leave space between letters and symbols.
2. 7620: 762 mm. Chain width is indicated up to the first decimal place. Please check the chain width in the Tsubaki model table above.
3. Minimum quantity: 2, maximum quantity: 99999

Sprockets for WT2520/BT8S Series

Applicable Chain

WT2525-K, BTC8S

◆ Solid Sprockets



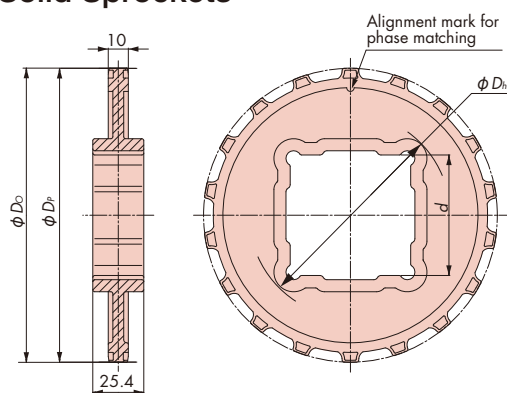
Tsubaki model no.	Teeth	Pitch diameter D_p	Outside diameter D_o	Hub diameter D_h	Bore shape	Bore diameter d	Approx. mass kg	Shaft	Material
WT-N2520-18T38S	18	146.27	147	73	Square	38.1	0.17	Square 38.1 cold rolled steel shaft	Reinforced polyamide (color: black)
WT-N2520-18T40S				40		Square 40 cold rolled steel shaft			
WT-N2520-18T60S				60		Square 60 cold rolled steel shaft			

Note: 1. Made-to-order products.

2. Operating temperature range: -20°C to 80°C .

3. Sprockets are made to fit loosely on the shaft to absorb differences in thermal expansion between the chain and conveyor, and alignment errors between the sprocket and chain.

◆ Solid Sprockets



Tsubaki model no.	Teeth	Pitch diameter D_P	Outside diameter D_O	Bore shape	Bore diameter d	Hub diameter D_h	Approx. mass kg	Shaft	Material
BT8S-18T-40S	18	146.27	146.5	Square	40	71	0.230	Square 40 cold rolled steel shaft	Polyamide (color: gray)
BT8S-18T-60S					60	100	0.120	Square 60 cold rolled steel shaft	

Note: 1. Made-to-order products.

2. Operating temperature range: -20°C to 80°C .

3. Sprockets are made to fit loosely on the shaft to absorb differences in thermal expansion between the chain and conveyor, and alignment errors between the sprocket and chain.