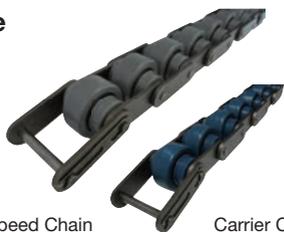


Triple Speed/Carrier Chains

● Order No. Example

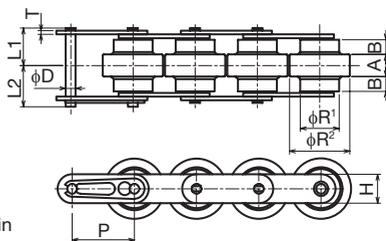
CZ5DNT

Chain No.



Triple Speed Chain

Carrier Chain



Chain speed can be approx. 1/2.5 of pallet speed thanks to special roller structure. Thus it is optimal for lines with quietness issues when running.

Also, because of its superior post-accumulation rate launch responsiveness that is unobtainable with an ordinary free-flow chain, it is optimal for lines that repeatedly stop and start and the like.

Carrier Chain allows for greater stability of conveyed items as well as compacting of running parts and return parts than before in comparison with side rollers and top rollers. This is a new type of free flow chain to be used in place of top rollers that allows for more stable conveyance than top rollers, thanks to the roller used for conveyance being positioned atop the pitch line.

Chain No.	Chain Pitch No.	Roller		Link Plate		Pin			A	B
		R ¹	R ²	T	H	D	L ¹	L ²		
CZ3-DNT	19.05	11.91	18.3	1.2	8.8	3.28	11.2	12.95	7	4.1
CZ4-DNT	25.40	15.88	24.6	1.5	11.7	3.97	15.2	16.75	9	6
CZ5-DNT	31.75	19.05	30	2	14.6	5.08	19.45	20.90	11.4	7
CZ6-DNT	38.10	22.23	36	3.2	17.5	5.95	23.75	25.25	15	7.5

◇ Triple Speed Chain (Regular specification)

 Special Plastic

Chain No.	Type	Pitch	Allowance Tensile Strength	Use Temperature	Speed Increase Ratio	Roller Color	Unit No. of Links	¥	
								Unit	JL
CZ3-DNT	3-Type	19.05	56	-10 - +80	2.54	Grey	160		
CZ4-DNT	4-Type	25.40	90		2.55		120		
CZ5-DNT	5-Type	31.75	140		2.57		96		
CZ6-DNT	6-Type	38.10	210		2.62		80		

◇ Carrier Chain (Regular specification)

 Special Plastic

Chain No.	Type	Pitch	Allowance Tensile Strength	Use Temperature	Speed Increase Ratio	Roller Color	Unit No. of Links	¥	
								Unit	JL
CY3-DNT	3-Type	19.05	56	-10 - +80	1 : 1	Blue	160		
CY4-DNT	4-Type	25.40	90				120		
CY5-DNT	5-Type	31.75	140				96		
CY6-DNT	6-Type	38.10	210				80		



Order Method

Chain No. and Quantity



Guide

* We also create steel roller specifications if desired.
* We also perform dimensional cutting services for each chain.
(Requires separate delivery)



Postage

Same-day shipping



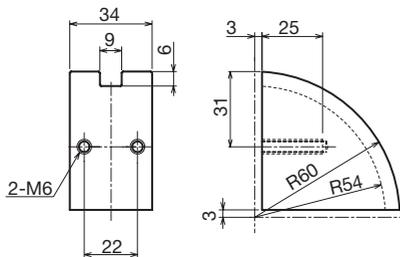
Precautions

Four dimensional cutting products, chain cutting actual costs will be included with product charges when invoicing.

3-Type Aluminum Frame Series

● Order No.
CZ3RGPE
 Return Guide No.

◇ Return Guide

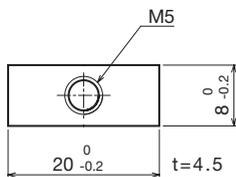


Compatible Aluminum Frames: C3AF/CZ3AFS

Return Guide No.	Material	¥
CZ3RGPE	UHMW Polyethylene	

● Order No.
M5NT20
 Nut. No.

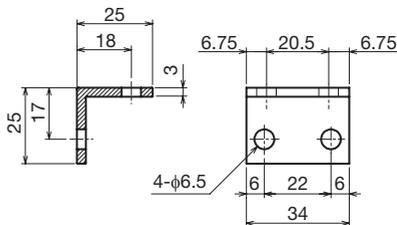
◇ M5 Long Nut (UniChrome plating included)



Nut. No.	¥
M5NT20	

● Order No.
CZ3GBAL
 Guide Bracket No.

◇ Guide Bracket

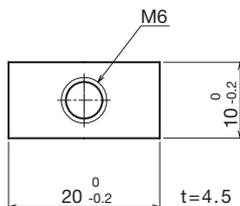


Compatible Aluminum Frames: C3AF/CZ3AFS

Guide Bracket No.	Material	¥
CZ3GBAL	Aluminum Angle Bar A6063 T5	

● Order No.
M6NT20
 Nut. No.

◇ M6 Long Nut (UniChrome plating included)



Nut. No.	¥
M6NT20	

Order Method

Aluminum Frame No.

Return Guide No.

Guide Bracket No.

Nut. No.

and Quantity

Postage

Same-day shipping

Length Limit for Packing Single Items

Guide

* EPV3 Plastic Rail
 ➡ P390

Triple Speed/Carrier Chains

● Order No. Example

C5AFT

Aluminum Frame No.

◇ Aluminum Frame for use with Triple Speed/Carrier Chain
(For use with plastic rollers)

CZ5/CY5 Dedicated Aluminum Frame

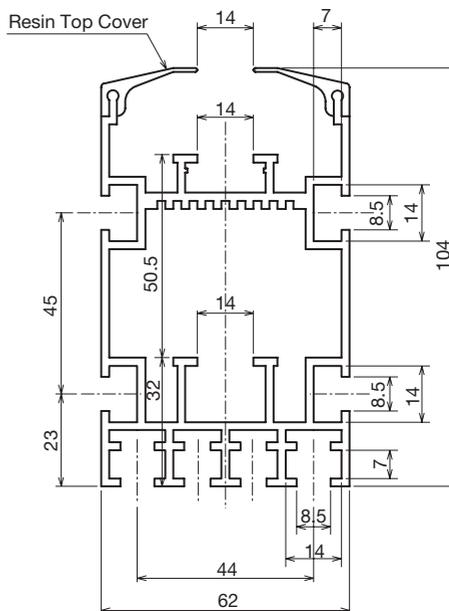
Aluminum Frame No.	Length/Unit	Material	¥
C5AFT	3m	 A6063S T5	

● Order No. Example

TC1T 30

Top Cover No. Length

Resin Top Cover No.	Length/Unit	Material	¥
TC1T	50m	 High-Density Polyethylene	
	30m		
	10m		



● Order No. Example

C6AFT

Aluminum Frame No.

CZ6/CY6 Dedicated Aluminum Frame

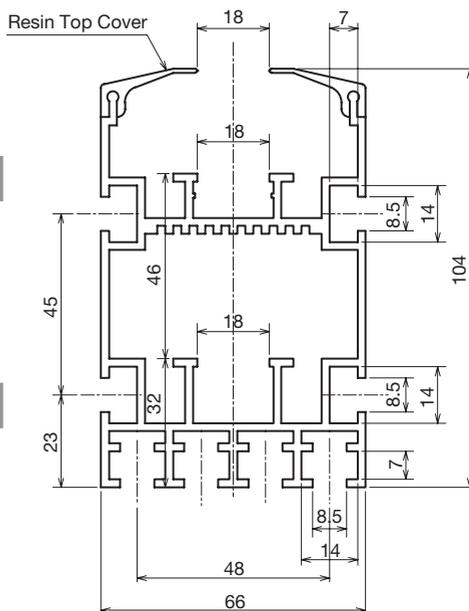
Aluminum Frame No.	Length/Unit	Material	¥
C6AFT	3m	 A6063S T5	

● Order No. Example

TC1T 30

Resin Top No. Length

Resin Top Cover No.	Length/Unit	Material	¥
TC1T	50m	 High-Density Polyethylene	
	30m		
	10m		



5-Type/6-Type Resin Top Cover/Aluminum Frame Series

● Order No. Example

C56AFSDT

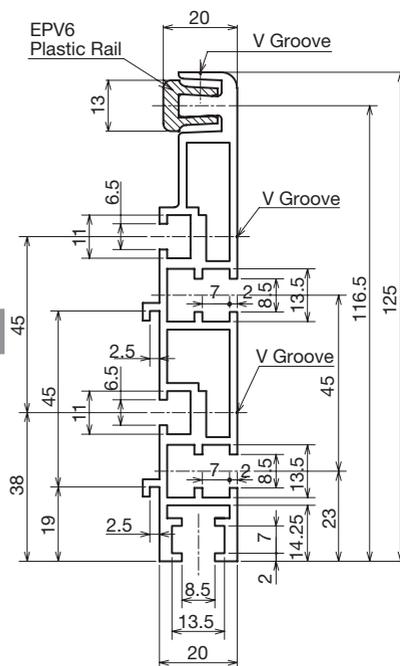
Side Frame No.

◇ Aluminum Side Frame for use with Triple Speed/Carrier Chain (Pallet Guide Rail)

Compatible Aluminum Frames: C5AF/C6AF

Side Frame No.	Length/Unit	Material	¥
C56AFDT	3m	 A6063S T5	

* V6 Plastic Rail Sold Separately



Order Method

Aluminum Frame No.

Side Frame No. Length and Quantity

Resin Top Cover No.



Guide

* EPV6 Plastic Rail
▶▶▶ P391



Postage

Same-day shipping



Precautions

* A quantity of top covers equal to double the quantity of aluminum frames is required.



Length Limit for Packing Single Items

* Goods for which the length of a single item exceeds 1m With Sagawa Express/Yamato Transport, products cannot be shipped at any time.

Chain Guides with Steel Frame / Chain Guides

L Dimension Selectable / Configurable

Flanged Chain Guides / Steel Chain Guides

L Dimension Selectable

■ **Features:** By passing a chain through this type of guide, conveyance is provided with little dust/noise.

Chain Guides with Steel Frame



Type		Material	
L Dimension Selectable w/o Hole Machining	L Dimension Configurable with Hole Machining	Guide Rail	Steel Frame
GDTC	GDCC	Ultra High-Molecular-Weight Polyethylene	Steel (Galvanized)
GDTS	GDCCS	Ultra High-Molecular-Weight Polyethylene	Stainless Steel

• **Raised Track**

• **Channel**

Equation: $*Q = \frac{L-P(K-1)}{2} \geq 7$

• **Hole Machining Shape for Raised Track**

No.35, No.40:

No.50, No.60:

• **Hole Machining Shape for Channel**

No.35:

No.40, No.50:

RoHS

Channel can be pulled out of Steel Frame.

L Dimension Selectable w/o Hole Machining

Part Number	Type	No.	L Length Selection (mm)	A	B	C	D	E	F	G	H	t	Mass (kg/m)	Unit Price					
														GDTC, GDCC			GDTS, GDCCS		
														L=450	L=950	L=2000	L=450	L=950	L=2000
Raised Track		35	450	4.4	2.3	20	17	14	17	10	10	1.5	0.67						
GDTC (Steel)		40	950	7.4	2.4								0.69						
GDTS (Stainless Steel)		50	2000	8.8	2.8								0.69						
		60		11.8	3.5	28	20	24	14	12	2	1.12							
Channel		35	450	4.6	4.3			5.3	9.9	7.9	9.3		1.46						
GDCC (Steel)		40	950	5.1	7.4	30	24	8.4	13.2	11.7	13.7	1.5	1.40						
GDCCS (Stainless Steel)		50	2000	6.4	8.9			10.7	16.5	14.5	16.2		1.34						
		60		7.4	11.7			12.4	19.8	18.5	20.6		1.28						

L Dimension Configurable with Hole Machining

Part Number	Type	No.	L 10mm Increment	K Number of Holes	P Hole Pitch 5mm Increment	A	B	C	D	E	F	G	H	t	M	ℓ	d	d1	h	Mass (kg/m)
Raised Track		35	200-2000	0-10	50-500	4.4	2.3	20	17	14	17	10	10	1.5	M4	6	-	-	-	0.67
LGTC (Steel)		40		⊗Hole=1 cannot be specified.		7.4	2.4								M5	7.5	-	-	-	0.69
LGTS (Stainless Steel)		50				8.8	2.8								-	-	4.5	7.5	5	0.69
		60				11.8	3.5	28	20	24	14	12	2	1.12	-	-	5.5	9	6	1.12
Channel		35	200-2000	0-10	50-500	4.6	4.3			5.3	9.9	7.9	9.3	1.5	M6	9	-	-	-	1.46
LGCC (Steel)		40		⊗Hole=1 cannot be specified.		5.1	7.4	30	24	8.3	13.2	11.7	13.7		-	-	4.5	7.5	5	1.40
LGCCS (Stainless Steel)		50				6.4	8.9			10.7	16.5	14.5	16.2		-	-	5.5	9	6	1.34
		60		0		7.4	11.7			12.4	19.8	18.5	20.6		-	-	-	-	-	1.28

⊗ P selection is unnecessary when Number of hole is 0. ⊗ Hole machining is not applicable to Channel No. 60.

⊗ Ultra High-Molecular-Weight Polyethylene may change in dimensions as its stretch rate changes by temperature.

Ordering Example: Part Number - L - K - P
 GDCC50 - 450
 LGTC40 - 860 - K8 - P100
 LGCS60 - 1600 - K0

No.	Body Price						Hole Machining Charge (Body Price +)	
	LGTC			LGTS				
							Number of Holes x200	
35	L200-450	L460-950	L960-1400	L1410-2000	L200-450	L460-950	L960-1400	L1410-2000
40								
50								
60								

No.	Body Price						Hole Machining Charge (Body Price +)	
	LGCC			LGCS				
							Number of Holes x200	
35	L200-450	L460-950	L960-1400	L1410-2000	L200-450	L460-950	L960-1400	L1410-2000
40								
50								
60								

Raised Track, Channel



Type		Material	
Raised Track	Channel	GDT	GDC
		Ultra High-Molecular-Weight Polyethylene	

• **Raised Track**

• **Channel**

• **Installation Example**

L Dimension Selectable Type

Part Number	Type	No.	L Length Selection (mm)	A	B	C	D	E	F	G	H	Mass (kg/m)	Unit Price		
													L=450	L=950	L=2000
Raised Track		40	450	7.4	2.4	20	10	-	-	-	-	0.16			
GDT		50	950	8.8	2.8							0.16			
		60	2000	11.8	3.5	25						0.36			
Channel		40	450	5.1	7.4	25	30	8.4	13.2	11.7	13.7	0.58			
GDC		50	950	6.4	8.9	30	35	10.7	16.5	14.5	16.2	0.8			
		60	2000	7.4	11.7	35	40	12.4	19.8	18.5	20.6	1.04			

⊗ Ultra High-Molecular-Weight Polyethylene may change in dimensions as its stretch rate changes by temperature.

Ordering Example: Part Number - L
 GDT50 - 450
 GDC60 - 2000

■ **Features:** This type of chain guide can be installed just by screw-tightening its flange through the mounting hole.

Flanged



Type		Material	
L Dimension Selectable	Side Mount	Up Mount	Guide Rail
	GDYC	GDRC	Ultra High-Molecular-Weight Polyethylene
	GDYS	GDRS	Stainless Steel

• **Side Mount**

• **Up Mount**

⊗ Upon existing stock is depleted, the flange part on the steel frame will be changed from Folded type to Welded Type. Note that this new type is equivalent to the conventional type, but has some traces of welding.

*Q=100

Channel can be pulled out of Steel Frame.

L Dimension Selectable

Part Number	Type	No.	L Length (mm)	K Number of Holes	P Hole Pitch	A	B	C	D	E	F	G	H	W	Y	Mass (kg/m)	Unit Price		
																	GDYC·GDRC	GDYS·GDRS	
Side Mount		35	2000	10	200	4.6	4.3	30	25	5.3	9.9	7.9	9.3	-	47	2.37			
GDYC (Steel)		40				5.1	7.4			8.4	13.2	11.7	13.7			2.31			
GDYS (Stainless Steel)		50				6.4	8.9			10.7	16.5	14.5	16.2			2.24			
		60				7.4	11.7			12.4	19.8	18.5	20.6			2.18			
Up Mount		35	2000	10	200	4.6	4.3	30	25	5.3	9.9	7.9	9.3	-	53	2.40			
GDRC (Steel)		40				5.1	7.4			8.4	13.2	11.7	13.7			2.34			
GDRS (Stainless Steel)		50				6.4	8.9			10.7	16.5	14.5	16.2			2.27			
		60				7.4	11.7			12.4	19.8	18.5	20.6			2.21			

⊗ Ultra High-Molecular-Weight Polyethylene may change in dimensions as its stretch rate changes by temperature.

Ordering Example: Part Number - L
 GDYC50 - 2000

Steel Chain Guides



■ **Features:** Chain guides excellent in hardness and abrasion resistance and are suitable for use in conveyance where large loads apply.

SGDT

Hole Machining N : No Hole Machining 15

Hole Machining ST : Side Tapped 15

Hole Machining HT : Back Tapped 15

Hole Machining Z : Side Counterbored 15

RoHS

L	Number of Holes	X	Y
300	2	100	100
500	3	150	100
1000	5	200	150

Material: S45C, Surface Treatment: Hard Chrome Plating

⊗ No surface treatment on machined holes.

L Dimension Selectable Type

Part Number	Type	No.	L Length Selection (mm)	A	H	d1	d2	Z1	M	L=300 Unit Price			L=500 Unit Price			L=1000 Unit Price		
										N	ST, HT	Z	N	ST, HT	Z	N	ST, HT	Z
SGDT		40	300	6	13	4.5	8	4.5	4									
		50	500	9	16	5.5	9.5	5.5	5									
		60	1000	12	22	6.5	11	6.5	6									

Ordering Example: Part Number - L
 SGDT50ST - 500

■ **Example** When a conveyor or other type chain is operated in highly frictional environments, the roller and palate are worn sharply and thereby, generate dust and noise. This phenomenon causes the service life of the chain to be lowered. As the solution against the said problem, a chain guide with low friction and high abrasion resistance is used. Furthermore, this guide is also used for the purpose of suppressing chain vibration or of controlling the chain travelling path.

