

# UH Thrymer

## ● Order No. Example **EPASW V3 50M**

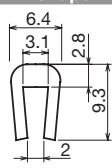
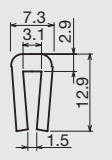
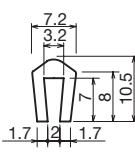
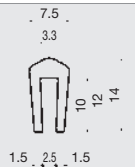
UH Thrymer No.



### Distinctive Features (Comparison with conventional UHMW Polyethylene)

1. Frictional coefficient is low. (About 40% down)
2. Static electricity occurrence is dramatically down, so that adherence of particles and foreign substances is greatly reduced. (To less than half)
3. Reduces sliding resistance with other resins (POM, PET, etc.). (To less than half)
4. Oilless, for long-term maintenance-free.
5. Free-cutting.
6. Absolutely no dereliction of the various basic properties of UHMW Polyethylene (natural parts).
7. Pure white color enhances sanitation.

Shuts out trouble due to static electricity New slide member achieves a clean environment

UH Thrymer No.		Length/ Unit	Color	Mass (g/m)	Application	Delivery	¥
Type	Shape						
<b>EPASW V3 50M</b>		50m	Pure White	33	Guide Rail 3mm Thick Steel Common	○	
<b>EPASW V3-L 50M</b>		50m		50	Guide Rail 3mm Thick Steel Common	○	
<b>EPASW V3- convex 50M</b>		50m		45	Guide Rail 3mm Thick Steel Common	○	
<b>EPASW V3-L/ convex 50M</b>		50m		58	Guide Rail 3mm Thick Steel Common	○	



Order Method

UH Thrymer No. and Quantity



Guide

\* Since we also manufacture sizes other than those in the catalog upon request, please contact our company's sales office for details.  
\* Dimensional cutting other than the catalog is also available (separate delivery required).



Postage

○ 3-day shipping

\* Single order system available



Length Limit for Picking Single Items



Precautions

(Reverse Roll): While normal products are delivered in an outward side roll (recessed part on inside), this product is delivered in an inward side roll (recessed part on outside=reverse roll).

## Antistatic UHMW Polyethylene Irregular Rail



EPASW V3 50M



EPASW V3-L 50M



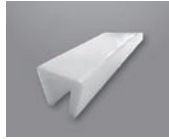
EPASW V3-convex 50M



EPASW V3-L/convex 50M



EPASW V6 50M



EPASW V10-S 50M



EPASW A 3 to 4M



EPASW A2 3 to 4M

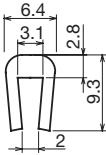
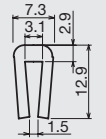
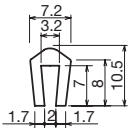
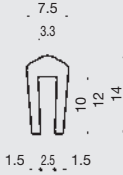
UH Thrymer No.		Length/ Unit	Color	Mass (g/m)	Application	Delivery	¥
Type	Shape						
<b>EPASW V6 50M</b>		50m	Pure White	86	Guide Rail 6mm Thick Steel Common	○	
<b>EPASW V6-S 50M</b>		50m		81	Guide Rail 6mm Thick Steel Common	○	
<b>EPASW V10-S (Reverse Roll) 50M</b>		50m		140	Guide Rail 10mm Thick Steel Common	○	
<b>EPASW A 3M</b>		3m		181	Guide Rail 6x25 Steel For Mounting	○	
<b>EPASW A 4M</b>		4m				○	
<b>EPASW A2 3M</b>		3m		190	Guide Rail 6x25 Steel For Mounting	○	
<b>EPASW A2 4M</b>		4m	○				

# Plastic Rail (Natural)

## ● Order No. Example **EPV3 T10**

Plastic Rail No.



Plastic Rail No.		Length/ Unit	Color	Mass (g/m)	Application	Delivery	¥
Type	Shape						
<b>EPV3T10</b>		10m	Milky White Color	33	Guide Rail 3mm Thick Steel Common	●	
<b>EPV3T20</b>		20m					
<b>EPV3T30</b>		30m					
<b>EPV3T50</b>		50m					
<b>EPV3-L 50M</b>		50m					
<b>EPV3-convex 50M</b>		50m					
<b>EPV3-L/convex 50M</b>		50m					



Order Method

Plastic Rail No. Length and Quantity



Guide

\* Since we also manufacture sizes other than those in the catalog upon request, please contact our company's sales office for details.

\* Dimensional cutting other than the catalog is also available (separate delivery required).





Postage

● Same-day delivery ○ 3-day shipping

\* Single order system available



Precautions

(Reverse Roll): While normal products are delivered in an  outward side roll (recessed part on inside), this product is delivered in an  inward side roll (recessed part on outside=reverse roll).

## UHMW Polyethylene Irregular Rail

Plastic rail is an olefin plastic based on the Ziegler process, and a UHMW Polyethylene with an average molecular weight of 3 million (light scattering method) units or more.

Increasing the molecular weight drastically improves wear resistance, shock resistance, self-lubrication, and other mechanical characteristics compared with ordinary polyethylene, and these characteristics can be harnessed for use in the food industry, filling machines, conveyor line rails, and Guide Rails, etc., offering such benefits as reduced container damage and noise, prevention of wear, lighter weight of lines, and many others, while the working life of the plastic rails themselves is several times longer compared with other metals or other plastics.



EPV3 10 to 50M



EPV3-L 50M



EPV3-convex 50M



EPV3L/convex 50M



EPV5 50M



EPV6 10 to 50M



EPV10-S 50M



EPA 3 to 4M




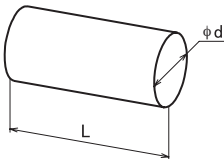
EPA2 3 to 4M

Plastic Rail No.		Length/ Unit	Color	Mass (g/m)	Application	Delivery	¥
Type	Shape						
<b>EPV5 50M</b>		50m	Milky White Color	98	Guide Rail 5mm Thick Steel Common	○	
<b>EPV6T10</b>		10m		86	Guide Rail 6mm Thick Steel Common	●	
<b>EPV6T20</b>		20m					
<b>EPV6T30</b>		30m					
<b>EPV6T50</b>		50m					
<b>EPV10-S (Reverse Roll) 50M</b>		50m		140	Guide Rail 10mm Thick Steel Common	○	
<b>EPA 3M</b>		3m		181	Guide Rail 6x25 Steel Common	○	
<b>EPA 4M</b>		4m					
<b>EPA2 3M</b>		3m	190	Guide Rail 6x25 Steel Common	○		
<b>EPA2 4M</b>		4m					

# Plastic Rail (Natural) UHMW Polyethylene Round Bar Materials

## ● Order No. Example EPBAR D90

Plastic Rail Round Bar No.

Plastic Rail Round Bar No.		Outer Diameter d	Length/ Unit	Color	Mass kg/m	Application	Delivery	¥
Type	Shape							
EPBAR D10	 <p>EPBAR D10 - 200</p> 	10	1m	Milky White Color	0.0785	Round Bar For Processing	○	
EPBAR D15		15			0.177			
EPBAR D20		20			0.314			
EPBAR D25		25			0.491			
EPBAR D30		30			0.707			
EPBAR D35		35			0.962			
EPBAR D40		40			1.256			
EPBAR D45		45			1.590			
EPBAR D50		50			1.963			
EPBAR D55		55			2.375			
EPBAR D60		60			2.826			
EPBAR D65		65			3.32			
EPBAR D70		70			3.847			
EPBAR D75		75			4.42			
EPBAR D80		80			5.024			
EPBAR D90		90			6.359			
EPBAR D100		100			7.850			
EPBAR D110		110			9.499			
EPBAR D120		120			11.304			
EPBAR D130		130			13.266			
EPBAR D140	140	15.386						
EPBAR D150	150	17.663						
EPBAR D160	160	20.096						
EPBAR D180	180	25.434						
EPBAR D200	200	31.400						

- ◇ Wear Resistance — Rate of wear is low relative to other synthetic resins, brass, copper, etc.  
Wear resistance is 7, 4, and 16 times that of steel materials, cast iron, and polyacetal, respectively.
- ◇ Self-lubrication — Extremely small wear coefficient, lower than that for lubricated metals.
- ◇ Impact Resistance — Does not break or chip. Unbroken even when used at ultra-low temperatures.
- ◇ Operating Temperature — -100°C - +80°C Also suitable for low temperature conditions in cold regions, etc.
- ◇ Chemical Resistance — Remains very stable when exposed to acid, alkaline.
- ◇ Absorbency — Absorbency rate is near zero, with no bloating or dimensional changes resulting from absorption.
- ◇ Non-toxicity — Physiologically harmless resin approved pursuant to the Ministry of Health and Welfare Food Sanitation Law.

Qualities	Test Method	Unit	Value
Specific Gravity			0.94
Impact Strength (Izod Notched)	D256	kg/cm/ cm	Does not break
Tensile Impact	D1822	kg/cm/ cm <sup>2</sup>	Does not break
Hardness (Shore)		D Scale	64 - 67
Line Expansion Coefficient	+20°C - +100°C Average	10 <sup>-4</sup> /°C	1.7
Acid Resistance			Good
Alkalinity Resistance			Good
Absorbency		%	<0.01
Frictional Coefficient			0.1 - 0.2
Taber Abrasion CS-17/1,000g		mg/1,000 cycles	1.4



Plastic Rail Round Bar No. and Quantity



Postage

○ 3-day shipping

\* Single order system available



Weight Limit for single product packaging



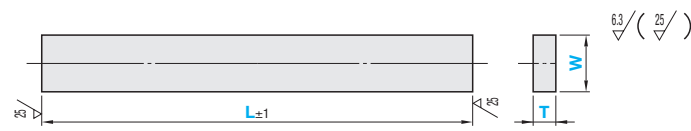
Length Limit for Packing Single Items

# UHMW Guide Rail Shields

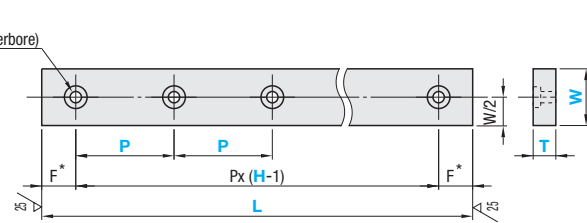
Flat

RoHS

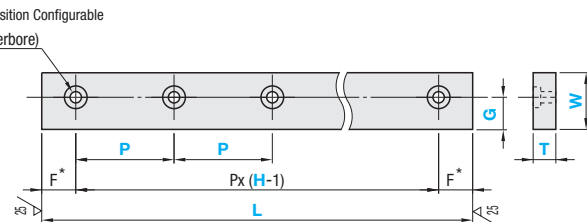
No Hole Type  
**NLBA**



With Counterbored Holes  
**NLBB** \*Z, ZN (Counterbore)



With Counterbored Holes, Hole Position Configurable  
**NLBBF** \*Z, ZN (Counterbore)



$$*F = \frac{L - P(H-1)}{2}$$

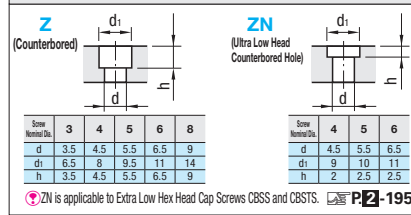
Material: UHMW

Thermal Expansion Coefficient: 1.7x10<sup>-4</sup>/°C

### No Hole Type

Part Number	W Selection					L	
Type	T	1mm Increment					1mm Increment
<b>NLBA</b>	3	10	15	20	25	100~1800	
	5	15	20	25	30		35
	8	20	25	30	35		40
	10	20	25	30	35		40
	15	25	30	35	40		
	20	30	35	40			

### \* Details of Hole Machining



### With Counterbored Holes

Part Number	W Selection					L	H	P	Screw Hole Nominal Diameter Configurable			
Type	T	1mm Increment					1mm Increment	(Number of Holes)	1mm Increment	Z	ZN	
<b>NLBB</b>	3	10	15	20	25	100~1200	2~10	P≥20	-	4		
	5	15	20	25	30				35	4	5	6
	8	20	25	30	35				40	4	5	6
	10	20	25	30	35				40	4	5	6
	15	25	30	35	40				-	-	-	-
	20	30	35	40	-				-	-	-	-

$$[L - P(H-1)]/2 \geq d/2 + 2$$

### With Counterbored Holes, Hole Position Configurable

Part Number	W Selection					L	H	P	G	Screw Hole Nominal Diameter Configurable						
Type	T	1mm Increment					1mm Increment	(Number of Holes)	1mm Increment	1mm Increment	Z	ZN				
<b>NLBBF</b>	3	10	15	20	25	100~1200	2~10	P≥20	7~20 d1/2+1≤G≤W/2	-	4					
	5	15	20	25	30					35	3	4	5	4	5	6
	8	20	25	30	35					40	4	5	6	5	6	
	10	20	25	30	35					40	4	5	6	5	6	
	15	25	30	35	40					-	-	-	-	-	-	
	20	30	35	40	-					-	-	-	-	-	-	

$$[L - P(H-1)]/2 \geq d/2 + 2$$



Ordering Example

Part Number - W - L - H - P - G - Screw Nominal Dia.

<b>NLBA5</b>	- 25	- 1200						
<b>NLBB8</b>	- 20	- 500	- H4	- P115			- Z5	
<b>NLBBF10</b>	- 25	- 1100	- H4	- P115	- G12		- Z5	

For Hole Machined Type, add a hole machining charge to the body price.  
(Price Calculation Example) NLBB8-20-500-H4-P115-Z5:  
(Body Price) + (Hole Machining Charge) = (Product Price)

### Body Price

Part Number	Type	T	W	Body Price						
				NLBA, NLBB, NLBBF			NLBA			
				L100~200	L201~400	L401~600	L601~900	L901~1200	L1201~1500	L1501~1800
<b>NLBA</b>	3	10								
		15								
		20								
		25								
		15								
		20								
	5	25								
		30								
		35								
		20								
		25								
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	30									
	35									
	40									

### Hole Machining Charge (Body Price +)

Hole Machining Number of Holes (H)	NLBBNLBBF (Counterbored Hole)
2	
3	
4	
5	
6	
7	
8	
9	
10	

Volume Discount Rate is not applicable to hole machining charges.



Alterations

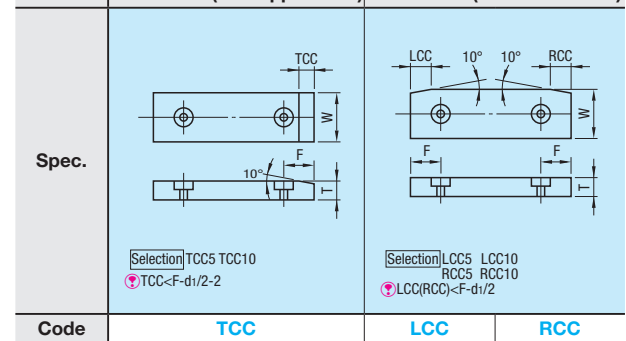
Part Number - W - L - H - P - G - Screw Nominal Dia. - (TCC, LCC, RCC)

<b>NLBB8</b>	- 20	- 500	- H4	- P115		- Z5	- TCC5
<b>NLBBF15</b>	- 30	- 1000	- H4	- P110	- G7	- Z5	- LCC5

### Features of UHMW

- Abrasion Resistance: Approx. 6x of Fluorinated Resin. Approx. 5x of Nylon Resin.
- Self-lubricating: tribological property is the same as that of fluororesin.
- Passed standard test: No. 20 of Health and Welfare Ministry.

### Alterations Corner Cut (End Upper Face) Corner Cut (End Side Faces)



Code: TCC, LCC, RCC


### Characteristic Values (Reference Values)

Item	Unit	UHMWPE	Nylon 6	Fluororesin
Specific Gravity	-	0.94	1.08	2.2
Tensile Strength	MPa	44	64	25
Tensile Elongation	%	450	210	300
Hardness	Rockwell R Scale	40	95	32
Impact Strength	Izod Notch kJ/m	>137	13	16
Thermal Expansion Coefficient	10 <sup>-4</sup> /°C	1.7	0.8	1.0
Heat Resistance Temperature	°C	80	80~120	260~278
Moisture Absorption Ratio	%	<0.01	1.5	<0.01
Dielectric Constant	-	2.3	4.0	2.1
Breakdown Voltage	kV/mm	50	20	20
Strong Acid Resistance	-	○	×	○
Alkali Resistance	-	○	○	○
Organic Solvent Resistance	-	○	○	○


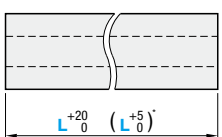
# UHMW Guide Rail Shields

## Shaped Type

**RoHS**



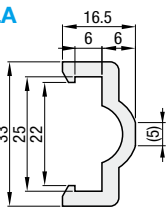
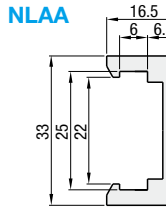
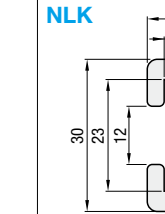
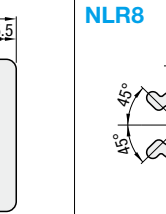
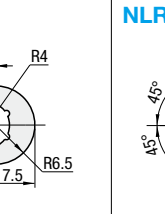
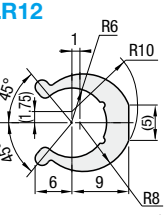
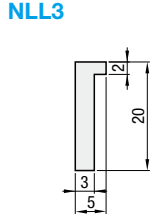
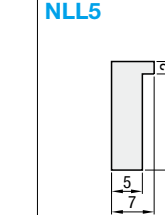
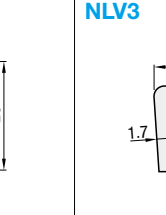
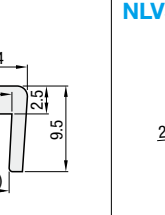
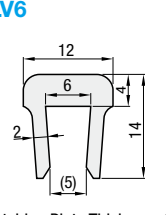
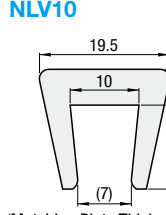
Standard Type  
**NLA**  
**NLAA**  
**NLK**  
**NLR8, 10, 12**  
**NLL3, 5**  
**NLV3, 5, 6, 10** (See below for detailed dimensions.)

\*NLA · NLAA · NLK · NLR8-12  $\frac{+5}{0}$

Thermal Expansion Coefficient: 1.7x10<sup>-4</sup>/°C

Material: UHMW

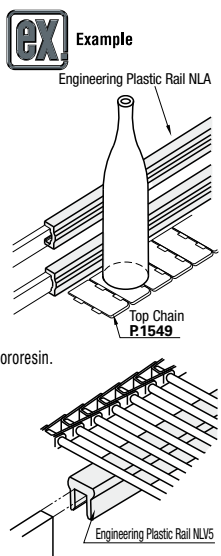
<p><b>NLA</b></p>  <p>(Matching Plate Dimension 25x6)</p>	<p><b>NLAA</b></p>  <p>(Matching Plate Dimension 25x6)</p>	<p><b>NLK</b></p>  <p>(Matching Plate Dimension 22x3)</p>	<p><b>NLR8</b></p>  <p>(Matching Rod Dimension Ø8)</p>	<p><b>NLR10</b></p>  <p>(Matching Rod Dimension Ø10)</p>
<p><b>NLR12</b></p>  <p>(Matching Rod Dimension Ø12)</p>	<p><b>NLL3</b></p>  <p>(Matching Plate Thickness 3)</p>	<p><b>NLL5</b></p>  <p>(Matching Plate Thickness 3)</p>	<p><b>NLV3</b></p>  <p>(Matching Plate Thickness 3)</p>	<p><b>NLV5</b></p>  <p>(Matching Plate Thickness 5)</p>
<p><b>NLV6</b></p>  <p>(Matching Plate Thickness 6)</p>	<p><b>NLV10</b></p>  <p>(Matching Plate Thickness 10)</p>	<p>Caution: NLL□, NLE□3 and NLV□ are delivered in rolls and must be stretched before use.                  Polymer Guide Rails should be installed by directly press fitting or by screws. When screws are to be used for mounting, take the material's large thermal expansion coefficient into consideration. The supporting metal structure should be filled end-to-end.</p>		

Type	L 1mm Increment	Unit Price/m 1~20 pc(s).
NLA	50~1800	
NLAA		
NLK		
NLR8		
NLR10		
NLR12	50~9900	
NLL3		
NLL5		
NLV3		
NLV5		
NLV6		
NLV10		

- Features of UHMW**
- Abrasion Resistance: Approx. 6x of Fluorinated Resin. Approx. 5x of Nylon Resin. Approx. 6x of Polyurethane. tribological property is the same as that of fluororesin. No. 20 of Health and Welfare Ministry.
  - Self-lubricating
  - Passed standard test

**Characteristic Values** (Reference Values)

Item	Unit	UHMWPE	Nylon 6	Fluororesin
Specific Gravity	-	0.94	1.08	2.2
Tensile Strength	MPa	44	64	25
Tensile Elongation	%	450	210	300
Hardness	Rockwell R Scale	40	95	32
Impact Strength	Izod Notch kJ/m	>137	13	16
Thermal Expansion Coefficient	10 <sup>-4</sup> /°C	1.7	0.8	1.0
Heat Resistance Temperature	°C	80	80~120	260~278
Moisture Absorption Ratio	%	<0.01	1.5	<0.01
Dielectric Constant	-	2.3	4.0	2.1
Breakdown Voltage	kV/mm	50	20	20
Strong Acid Resistance	-	○	×	○
Alkali Resistance	-	○	○	○
Organic Solvent Resistance	-	○	○	○

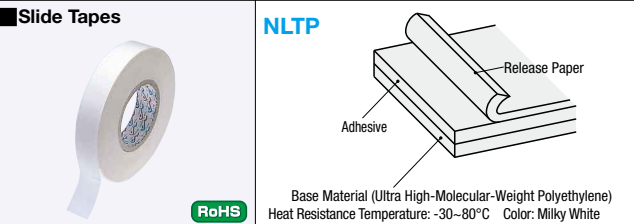


Ordering Example: Part Number - L  
 NLA - 800

# Slide Tapes / Strong Double-Sided Tapes / Guide Rails

**Slide Tapes**

**NLTP**

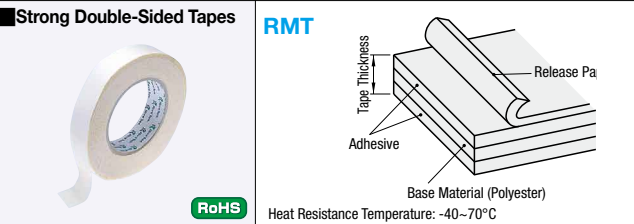


Base Material (Ultra High-Molecular-Weight Polyethylene)  
 Heat Resistance Temperature: -30~80°C Color: Milky White

RoHS

**Strong Double-Sided Tapes**

**RMT**



Base Material (Polyester)  
 Heat Resistance Temperature: -40~70°C

RoHS

Part Number	Base Material Thickness	Tape Width	Tape Length	Unit Price 1~4 pc(s).	Volume Discount Rate 5~20 pcs.
NLTP 1320	0.13	20	40m		
NLTP 1330		30			
NLTP 1340		40			
NLTP 1350	0.5	50	20m		
NLTP 5020		20			
NLTP 5030		30			
NLTP 5040		40			
NLTP 5050		50			

For orders larger than indicated quantity, please check with WOS.

Part Number	Tape Thickness	Tape Width	Tape Length	Unit Price 1~4 pc(s).	Volume Discount Rate 5~20 pcs.
RMT3310	0.33	10	20m		
RMT3315		15			
RMT3320		20			
RMT3325		25			
RMT3330		30			
RMT3335		35			
RMT3340	40				

For orders larger than indicated quantity, please check with WOS.

Ordering Example: Part Number NLTP1320

**Dynamic Friction Coefficient** (Reference Value)

	Dry	Water Lubricated
UHMWPE	0.07~0.22	0.05~0.10
Nylon 6	0.15~0.40	0.14~0.19
Nylon 66	0.15~0.40	0.14~0.19
Fluororesin	0.04~0.25	0.04~0.08
Polyacetal	0.15~0.35	0.10~0.20

**Referential Adhesive Strength (NLTP)** (Unit: N/20mm Width)

Taped Subject	Base Material Thickness 0.13	Base Material Thickness 0.5
SUS304	9.8	8.8
Polyvinyl Chloride Resin	18.6	18.6

**Referential Adhesive Strength (RMT)**

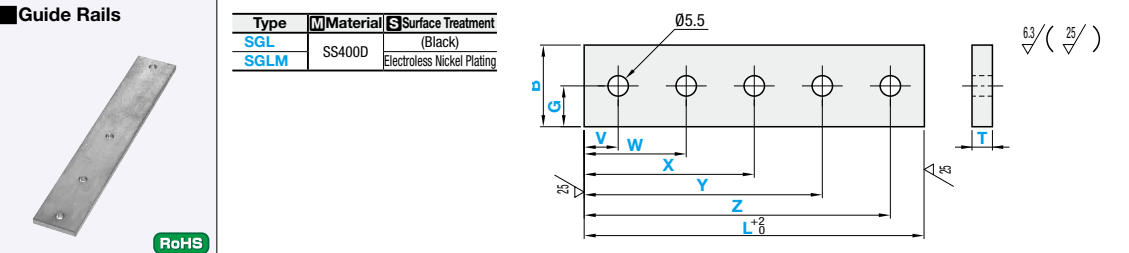
Taped Subject	Unit Price
SUS304	21.6N

(Test Method) 180° Peeling Test: Temperature: 23°C, Peeling Speed: 300mm/min

- Cautions on the Usage of Tape**
- Remove contamination including dust, grease and water.
  - Some materials have low adhesion properties.
  - NLTP attached 1 or 2 days prior to assembly will have higher bonding strength.
  - RMT bonds well to ultra high-molecular-weight polyethylene (UHMWPE).

**Guide Rails**

Type	Material	Surface Treatment
SGL	SS400D	(Black)
SGLM		Electroless Nickel Plating



RoHS

Part Number	H (Number of Holes)	B Selection	T Selection	L 1mm Increment	G, V, W, X, Y, Z 0.5mm Increment
SGL	N (No Hole)	22 25 32 38	3 5 6 10	50~1000	5~995
SGLM	2H 3H 4H 5H				

When N is selected, no hole will be machined.

Ordering Example: Part Number B - T - L - G - V - W - X - Y - Z  
 SGL N - 22 - 3 - 300  
 SGLM 5H - 25 - 5 - 800 - G14 - V15 - W265 - X480 - Y600 - Z785

**(Non-Hole Machined) Type Body Price** (The body price of SGLM is calculated by adding the price in the table to the SGL price.)

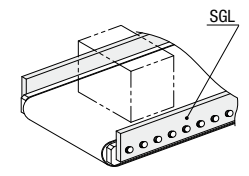
Type	B	L 1mm Increment	Body Price				Body Price SGLM
			3	5	6	10	
SGL	22	50~200					
		201~400					
		401~600					
		601~800					
		801~1000					
SGL	25	50~200					
		201~400					
		401~600					
		601~800					
		801~1000					
SGL	32	201~400					
		401~600					
		601~800					
		801~1000					
		SGL	38	401~600			
601~800							
801~1000							
801~1000							
801~1000							

**Hole Machining Charge**

With Hole Machining Type	Hole Machining Charge
2H	
3H	
4H	
5H	

The price of the Hole Machined Type is the body price plus the hole machining charge.  
 (Ex.) Part Number B - T - L - G - V - W  
 SGL2H - 25 - 5 - 50 - G13 - V15 - W35  
 (Body Price) + (Hole Machining Charge) = Hole Machined Type Unit Price

Volume Discount Rate is not applicable to hole machining charge.



# Conveyor Guide Rails

## Straight Type / Y Type / Z Type

Dedicated web site <http://fa.misumi.jp/cvs/>  
 Conveyor selecting, component purchases,  
 and easy search for maintenance parts are available.

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

# Guide Rail Brackets

## Slotted Hole Adjustable Engineering Plastic Rails / Angle Bracket, Adjustable / Adjusting Rods

**Conveyor Guide Rails - Straight Type**

**CGPS**

**W Dim., Holes, Pitch Dim.**

W	Q (Holes)	P (Hole Pitch)
50~200	2	(W-20)/(Q-1)*
201~500	3	(W-20)/(Q-1)*
501~800	4	(W-20)/(Q-1)*

\* Placed Evenly  
 All Corners C2  
 Material: SUS304 one side polished

Part Number	W 1mm Increment	H 1mm Increment	Unit Price		
			W50~200	W201~500	W501~800
CGPS	50~800	30~100			
		101~200			

Ordering Example: Part Number - **W** - **H**  
**CGPS - W200 - H50**

**Conveyor Guide Rails - Z Type**

**CGPZ**

**W Dim. / Holes - Pitch Dim.**

W	Q (Holes)	P (Hole Pitch)
50~200	2	(W-20)/(Q-1)*
201~500	3	(W-20)/(Q-1)*
501~800	4	(W-20)/(Q-1)*

\* Placed Evenly  
 All Corners C2  
 Material: SUS304 one side polished

Part Number	W 1mm Increment	H 1mm Increment	A 1mm Increment	B 1mm Increment	Inlet Section Mounting Direction	Unit Price		
						W50~200	W201~500	W501~800
CGPZ	50~800	30~100	20~100	10~50	L R N*			
		101~200						

Ordering Example: Part Number - **W** - **H** - **A** - **B** - **Inlet Section Mounting Direction**  
**CGPZ - W500 - H100 - A50 - B50 - L**

\* N does not have the Inlet Section.  
 H-A≥10  
 The guide will have machining marks of bending.

**Conveyor Guide Rails - Y Type**

**CGPY**

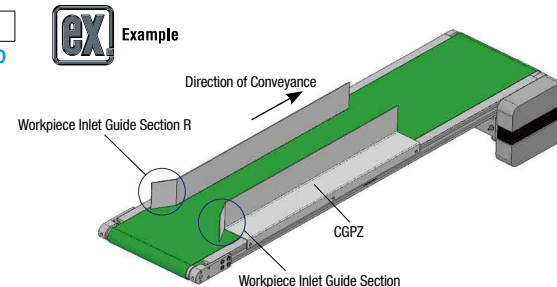
**W Dim., Holes, Pitch Dim.**

W	Q (Holes)	P (Hole Pitch)
50~200	2	(W-20)/(Q-1)*
201~500	3	(W-20)/(Q-1)*
501~800	4	(W-20)/(Q-1)*

\* Placed Evenly  
 All Corners C2  
 Material: SUS304 one side polished

Part Number	W 1mm Increment	A 1mm Increment	B 1mm Increment	C Selection	Unit Price		
					W50~200	W201~500	W501~800
CGPY	50~800	20~100	10~50	15 30 45			

Ordering Example: Part Number - **W** - **A** - **B** - **C**  
**CGPY - W800 - A80 - B50 - C30**



**Features:** Height and width can be adjusted using slotted holes. We also offer scale alterations useful for recording positions.

**Guide Rail Brackets - Slotted Hole Adjustable Engineering Plastic Rails**

**CGE**

**Part Number**

Type	K	A	Unit Price
CGE	30	50	
	80	100	

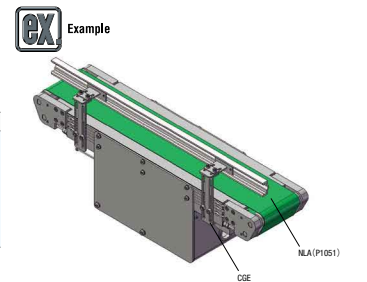
Engineering plastic rails and conveyor mounting bolts are not included.  
 Material: SUS304

Part Number	Type	K	A	Unit Price

Ordering Example: Part Number  
**CGE 30**

Alterations: Part Number  
**CGE 30 - (ST)**

Alterations	Code	Spec.	
		Part Number	Scale Tape Length
Scale Tape Included	ST	CGE30	50
		CGE30	100
		CGE80	100



**Features:** Height, width, and angle can be adjusted using the supporting column. Suitable for guiding and aligning workpieces.

**Guide Rail Brackets - Angle Bracket, Adjustable / Adjusting Rods**

**CGXN (Engineering Plastic Rails)**

**CGVN (Round Rod)**

**Part Number**

Type	A	CGXN	CGVN
Engineering Plastic Rails	50		
Round Rod	100		
	150		

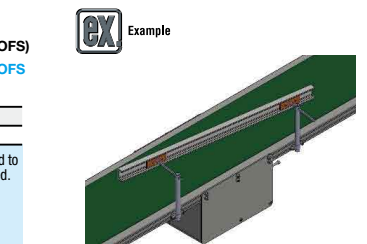
Use at least 2 pcs since 1 pc is not strong enough for the rotating direction.  
 Material: SUS304

Part Number	Type	A	Unit Price

Ordering Example: Part Number  
**CGXN 150**

Alterations: Part Number  
**CGVN 100 - (OFS)**

Alterations	Code	Bracket for Offset Included	
		Part Number	Spec.
	OFS		Top Drawing * Bracket for offset to be mounted to the conveyor mounting bracket will be included.





# Guide Rail Brackets

## Engineering Plastic Rails

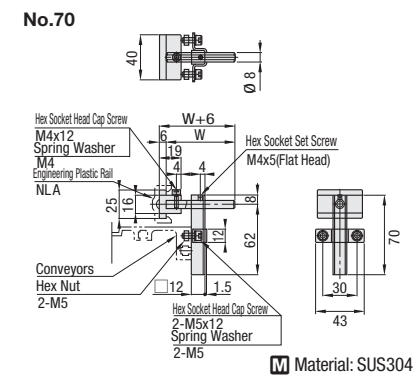
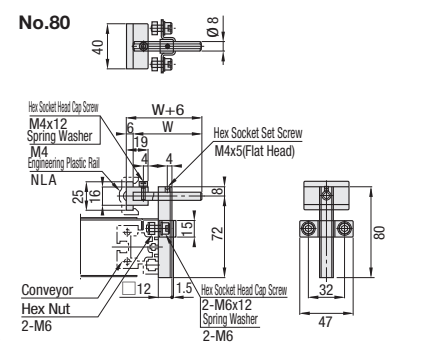
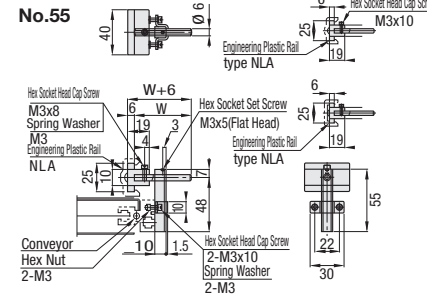
# Guide Rails and Brackets

## Round Type

### Conveyor Engineering Plastic Guide Rail Brackets - Standard Type



### CGX (W=50, 60) CGXL (W=100)



Part Number	Type	No.	W	Unit Price
CGX (W=50, 60)		55	50	
		70	60	
		80		
CGXL (W=100)		55	100	
		70		
		80		

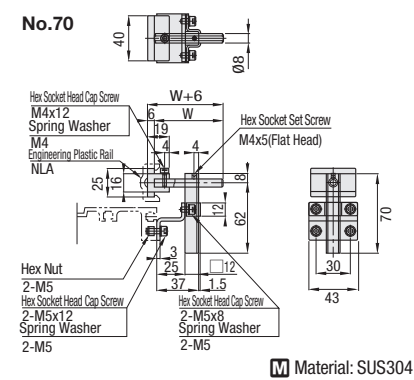
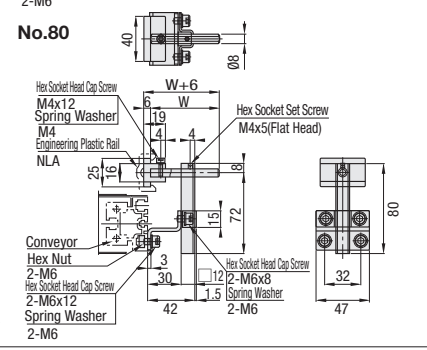
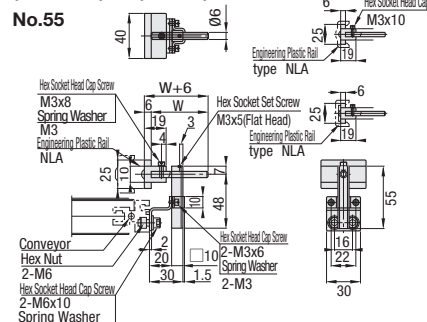
Ordering Example  
 Part Number  
 Type No.  
 CGX 55

⚠ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.  
 ⚠ Engineering plastic rail is not included.

### Conveyor Engineering Plastic Guide Rail Brackets - Offset Type



### CGY (W=50, 60) CGYL (W=100)



Part Number	Type	No.	W	Unit Price
CGY (W=50, 60)		55	50	
		70	60	
		80		
CGYL (W=100)		55	100	
		70		
		80		

Ordering Example  
 Part Number  
 Type No.  
 CGY 70

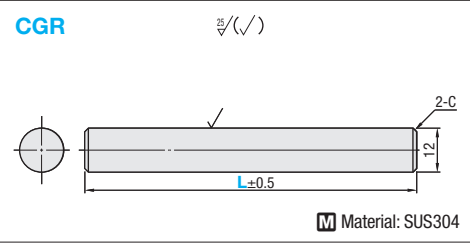
⚠ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.  
 ⚠ Engineering plastic rail is not included.

Alterations

Part Number	Type	No.	
CGX CGYL		70	(CL)
		80	CL

Alterations	Code	Spec.
Change to Product with Clamp Lever	CL	Hex socket set screws are replaced with the clamp lever (Orange, CLDMC4-8-M equivalent). ⚠ Not applicable to CGX55/CGXL55/CGY55/CGYL55

### Round Bar Conveyor Guide Rails



Part Number	L 5mm Increment	Unit Price
CGR	150 ~ 300	
	305 ~ 500	
	505 ~ 750	
	755 ~ 1000	

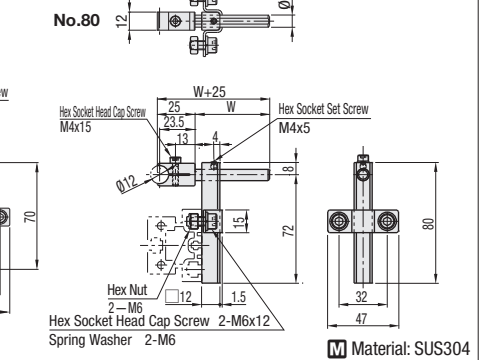
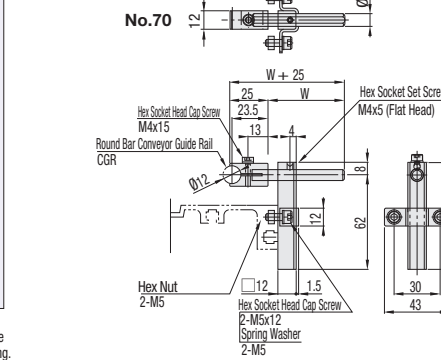
Ordering Example  
 Part Number - L  
 CGR - 380

Material: SUS304

### Round Bar Conveyor Guide Rail Brackets - Standard Type



### CGV (W=50) CGVL (W=100)



⚠ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

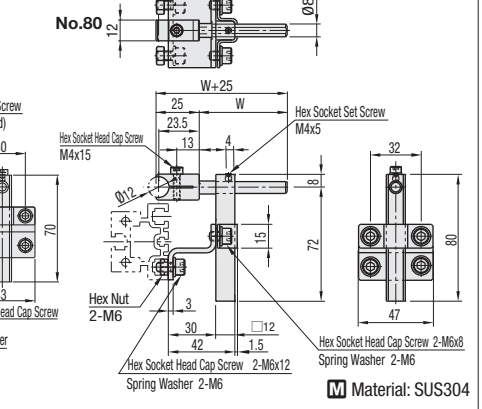
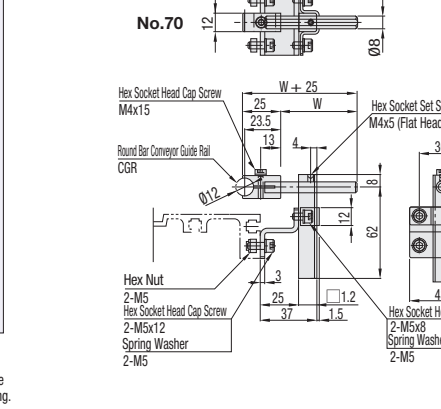
Part Number	Type	No.	W	Unit Price
CGV (W=50)		70	50	
		80		
CGVL (W=100)		70	100	
		80		

Ordering Example  
 Part Number  
 Type No.  
 CGV 70

### Round Bar Conveyor Guide Rail Brackets - Offset Type



### CGW (W=50) CGWL (W=100)



⚠ NO.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

Part Number	Type	No.	W	Unit Price
CGW (W=50)		70	50	
		80		
CGWL (W=100)		70	100	
		80		

Ordering Example  
 Part Number  
 Type No.  
 CGW 80

Alterations

Part Number	Type	No.	
CGW CGWL		70	(CL)
		80	CL

Alterations	Code	Spec.
Change to Product with Clamp Lever	CL	Hex socket set screws are replaced with the clamp lever (Orange, CLDMC4-8-M equivalent).

# Guide Rails and Brackets

## L Type

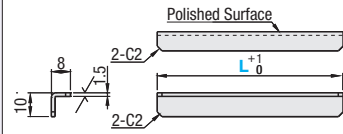
Dedicated web site <http://fa.misumi.jp/cvs/>  
Conveyor selecting, component purchases,  
and easy search for maintenance parts are available.

### L-Shaped Conveyor Guide Rails

**CGL**



RoHS



Material: SUS304

Part Number	L 5mm Increment	Unit Price
CGL	150~ 300	
	305~ 500	
	505~ 750	
	755~1000	

Ordering Example  
Part Number - **L**  
CGL - 380

### L-Shaped Conveyor Guide Rail Brackets - Standard Type

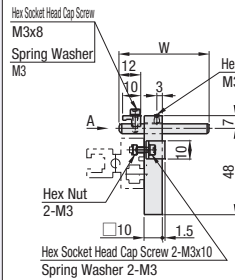


RoHS

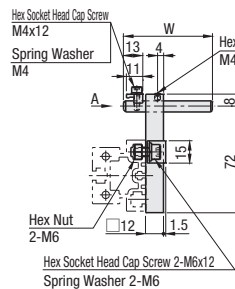
**CGK**  
(W=50,60)

**CGKL**  
(W=100)

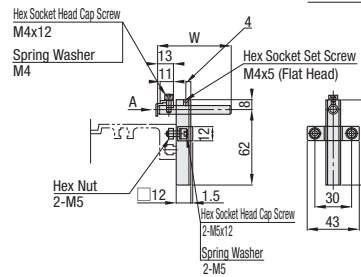
No.55



No.80



No.70



No.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

Material: SUS304

Part Number	Type	No.	W	Unit Price
CGK (W=50,60)		55	50	
		70	60	
		80		
CGKL (W=100)		55	100	
		70		
		80		

Ordering Example  
Part Number  
Type No.  
CGK 80

Alterations  
Part Number  
Type No. - (CL)  
CGK 70 - CL

Alterations	Code	Spec.
Change to Product with Clamp Lever 	CL	Hex socket set screws are replaced with the clamp lever (Orange, CLDMC4-8-M equivalent). ⊗ Not applicable to CGK55/CGKL55

### L-Shaped Conveyor Guide Rail Brackets - Offset Type

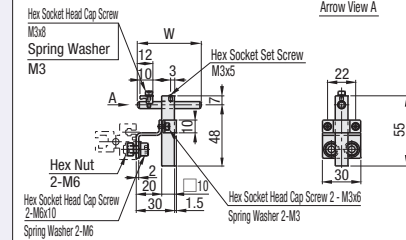


RoHS

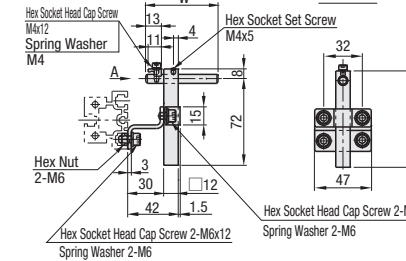
**CGH**  
(W=50,60)

**CGHL**  
(W=100)

No.55



No.80



No.55 ~ 80 have different bolt size for the conveyor mount part. Select an appropriate bolt according to the conveyor you are using.

Material: SUS304

Part Number	Type	No.	W	Unit Price
CGH (W=50,60)		55	50	
		70	60	
		80		
CGHL (W=100)		55	100	
		70		
		80		

Ordering Example  
Part Number  
Type No.  
CGH 55

Alterations  
Part Number  
Type No. - (CL)  
CGH 70 - CL

Alterations	Code	Spec.
Change to Product with Clamp Lever 	CL	Hex socket set screws are replaced with the clamp lever (Orange, CLDMC4-8-M equivalent). ⊗ Not applicable to CGH55/CGHL55

Example

