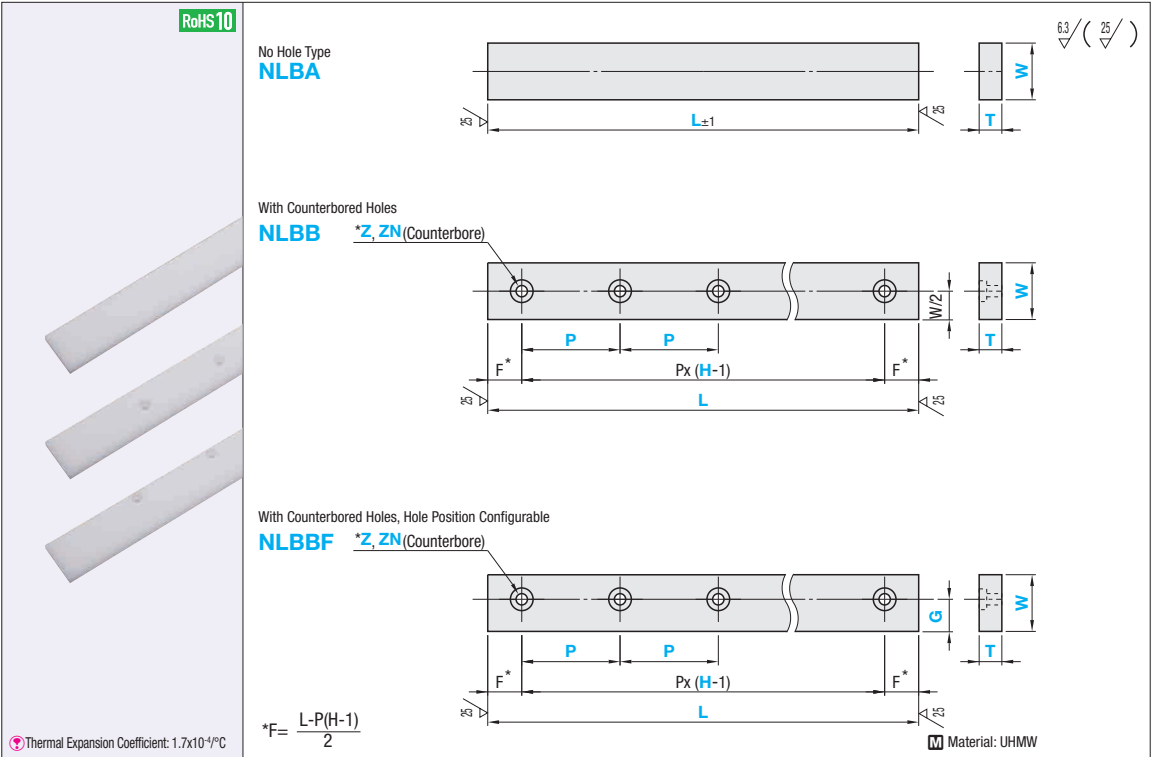


UHMW Guide Rail Shields

Flat



No Hole Type

Part Number		W Selection						L 1mm Increment	
Type	T								
NLBA	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

With Counterbored Holes

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

(L-P(H-1))/2≥d1/2+2

With Counterbored Holes, Hole Position Configurable

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

(L-P(H-1))/2≥d1/2+2



Ordering Example

Part Number	-	W	-	L	-	H	-	P	-	G	-	Screw Nominal Dia.
NLBA5	-	25	-	1200								
NLBB8	-	20	-	500	-	H4	-	P115	-			Z5
NLBBF10	-	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		W	Body Price						
Type	T		NLBA, NLBB, NLBBF					NLBA	
			L100~200	L201~400	L401~600	L601~900	L901~1200	L1201~1500	L1501~1800
NLBA NLBB NLBBF	3	10							
		15							
		20							
		25							
	5	15							
		20							
		25							
		30							
	8	35							
		20							
		25							
		30							
	10	35							
		40							
		20							
		25							
	15	30							
		35							
		40							
		20							
	20	30							
		35							
		40							



Alterations

Part Number	-	W	-	L	-	H	-	P	-	G	-	Screw Nominal Dia.	(TCC, LCC, RCC)
NLBB8	-	20	-	500	-	H4	-	P115	-			Z5	TCC5
NLBBF15	-	30	-	1000	-	H4	-	P110	-	G7	-	Z5	LCC5

Features of UHMW

- ① Abrasion Resistance: Approx. 6x of Fluorinated Resin. Approx. 5x of Nylon Resin. Approx. 6x of Polyurethane.
- ② Self-lubricating: tribological property is the same as that of fluororesin.
- ③ Passed standard test: No. 20 of Health and Welfare Ministry.

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 ⁻⁴ /°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	-	○	○	○

Alterations	Corner Cut (End Upper Face)	Corner Cut (End Side Faces)
Spec.		
	[Selection] TCC5 TCC10 TCC<F-d1/2-2	[Selection] LCC5 LCC10 RCC5 RCC10 LCC(RCC)<F-d1/2
Code	TCC	LCC RCC