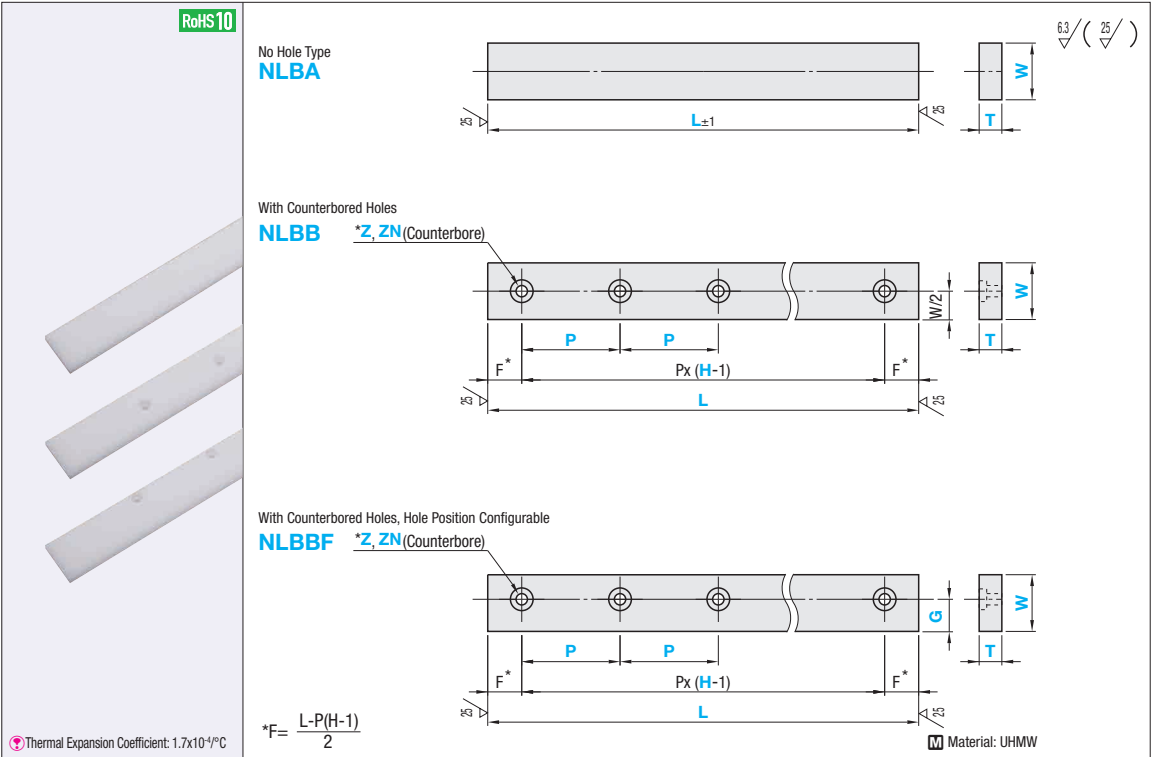


UHMW Guide Rail Shields

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

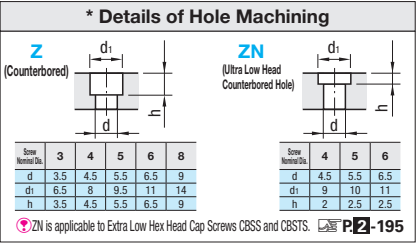
Part Number		W Selection						L 1mm Increment	H (Number of Holes)	P 1mm Increment	Screw Hole Nominal Diameter Configurable							
Type	T										Z			ZN				
NLBB	3	10	15	20	25			100~1200	2~10	P≥20	-			4				
	5		15	20	25	30	35				-			4	5	6		
	8			20	25	30	35				40	3	4	5	4	5	6	
	10			20	25	30	35				40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

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

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	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					-	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	-

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



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		Body Price							
Type	T	W	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	20							
		25							
		30							
		35							
	10	20							
		25							
		30							
		35							
	15	20							
		25							
		30							
		35							
	20	20							
		25							
		30							
		35							

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)
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.
- 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	$10^{-4}/^{\circ}\text{C}$	1.7	0.8	1.0
Heat Resistance Temperature	$^{\circ}\text{C}$	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	-	○	○	○

