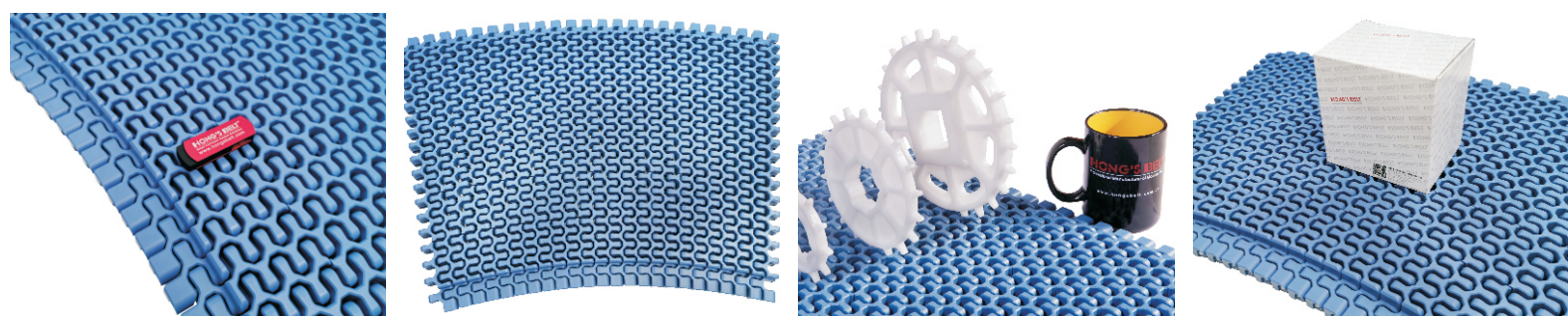
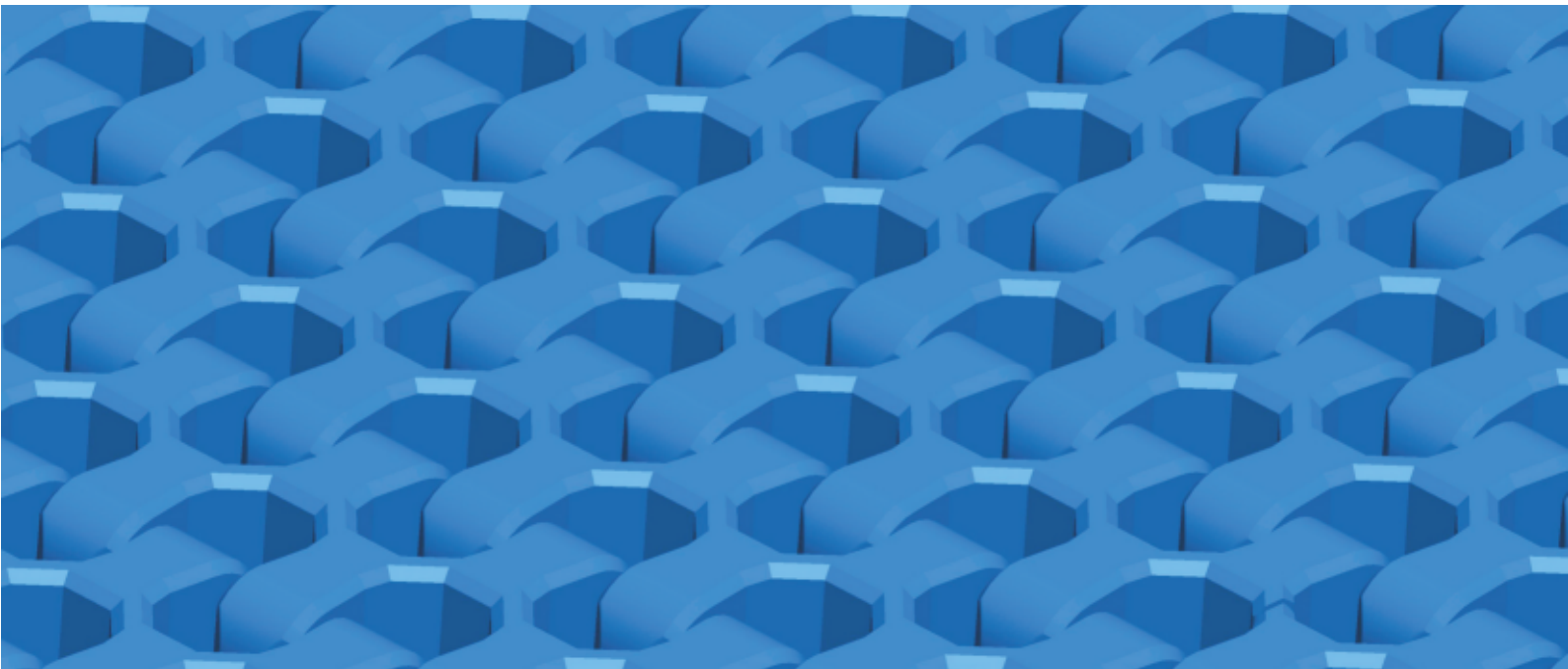


HS-500B-HD-D Technical Data Sheet



Pitch: 25mm Minimum Width: 229mm Open Area: 36% Approved: FDA Rod: Ø 4.9mm Flight: Yes Side Guard: No Curve: Yes Standard indent: 28.7mm	
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Data

Belt Material	Belt Strength				Temperature		Belt Weight
	Straight		Curve		°C (min.)	°C (max.)	(Kg/M ²)
	Kg/M(BW)	N/M(BW)	Kg/M(BW)	N/M(BW)			
Polypropylene	1060	10600	106	1060	1	100	8.2
Polyethylene	1030	10300	103	1030	-60	60	8.4
Acetal	1720	17200	172	1720	-40	80	15.6
Nylon	1520	15200	152	1520	1	180	11.4
BW – Belt Width							

Color Table

Polypropylene					Polyethylene					Acetal					Nylon				
W	G	N	DB	B	W	G	N	DB	B	W	G	N	DB	B	W	G	N	DB	B
●	●						●			●				●				●	

W-White, G-Gray, N-Nature, DB-Dark brown, B-Blue (For more information of belt color, pls consult our sales team)

Friction Table

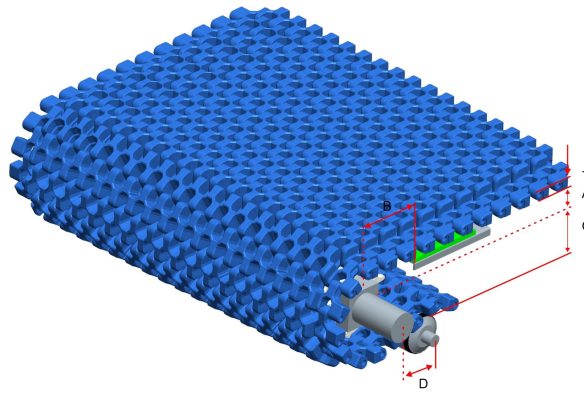
Belt Material	Friction Wear strips & Products							
	UHMW	HDPE	Steel	Glass	SUS	Plastic	Cardboard	Aluminum
Polypropylene	0.32	0.24	0.15	0.09	0.13	0.08	0.15	0.25
Polyethylene	0.13	0.11	0.26	0.19	0.31	0.16	0.21	0.41
Acetal	0.11	0.09	0.27	0.16	0.26	0.15	0.19	0.28
Nylon	0.18	0.13	0.25	0.16	0.26	0.16	0.19	0.27

SUS – Stainless Steel

Equivalent type with other Brand

Brand Name	Intralox	Habasit	UNI	Rexnord	MCC	ScanBelt
Series & Type	S2400 Radius Flush Grid High Deck	--	--	--	--	--

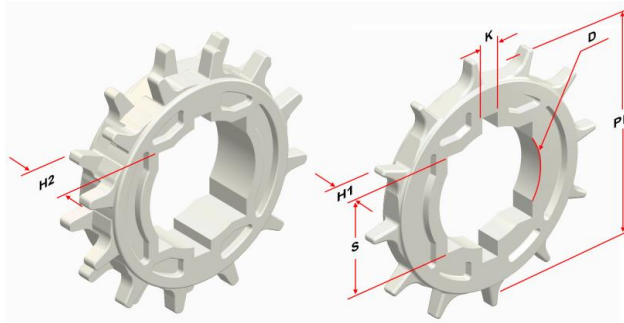
The above content is only for reference.



Conveyor Frame Dimensions

Unit : mm

No. Teeth	A (Min.)	B (Min.)	C (Max.)	D (Min.)	T	T1
8-2R	26	42.35	23.65	200	12.7	9
12 / 12-2R	43.65	60	41.3	200		
15-2R	56.4	72.75	54.05	200		
18 / 18-2R	67.65	84	65.3	200		
20-2R	76.65	93	74.3	200		
21-2R	80.15	96.5	77.8	200		
24 / 24-2R	93.65	110	91.3	250		



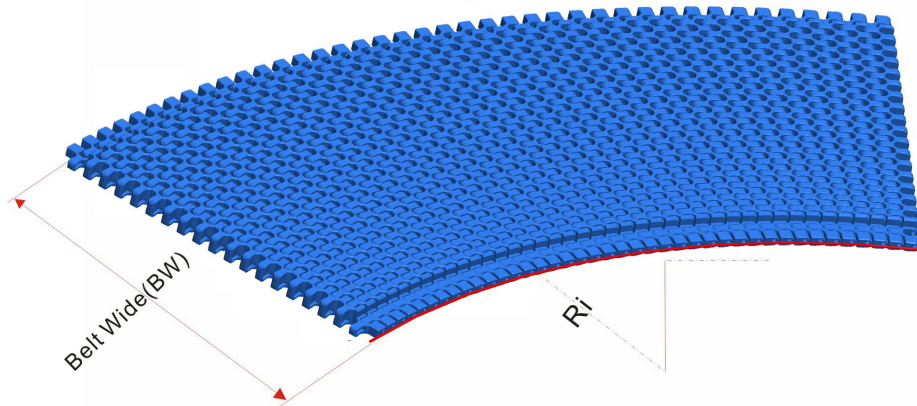
Sprocket Dimensions

Unit: mm

No. Teeth	PD	OD	S	D	H	H2	K
12	96.59	100	25.4/38.1/39/40	25.4/28/30/31.75/35/40/46/47/50.8	11/18	--	8X8
18	143.97	148	25.4/38.1/40	25.4/30/31.75/35/36/40/45/47	18	--	8X8
24	191.53	200	38.1/40/50/60	--	30	--	--
8-2R	65.33	64.7	25.4	30	--	20	8X8
12-2R	96.59	100	38.1/39/40	25.4/30/45/47	--	20	8X8
15-2R	120.24	125.5	38.1/40/50.8	25/25.4/30/35/38.1/40/45/45/47	--	20	8X8
18-2R	143.97	148	38.1/40/45/60	25.4/30/40	--	20	8X8
20-2R	159.81	166	38.1/40/60	25.4/30/36	--	35	8X8
21-2R	167.74	173	38.1/40/60/63.5	45	--	35	8X8
24-2R	191.53	200	38.1/40/60	30	--	35	--

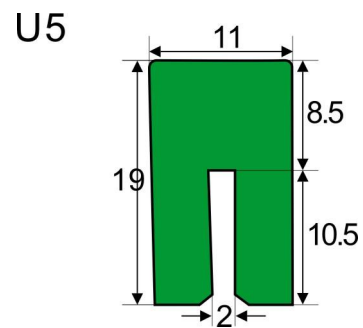
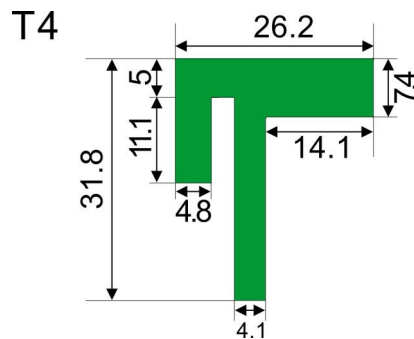
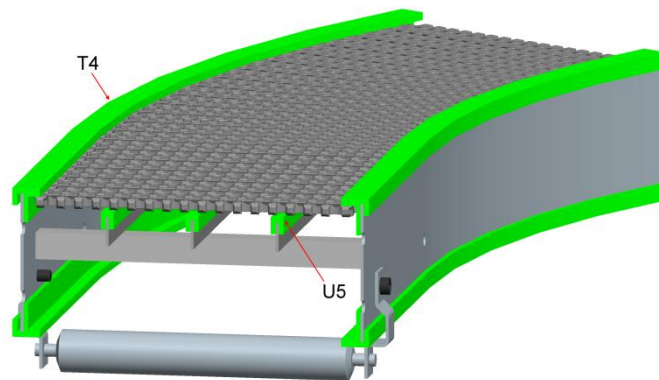
Note: Thickness 11mm is only for 12T-S40.

Design Guide Summary



- The minimum turning radius (inside) is 2.2 times of belt width under all feasible belt Width, 2.5 times of belt width is the most optimal.
- The minimum straight run section near driving shaft and idling shaft of Radius belt must be 2 times of the belt width in length.
- The minimum straight run section between two turns of opposing direction must be 2 times of the belt width in Length.

Guide Rail & Wear Strips



- We have different kinds of guide rail and wear strips for your choice; for more information, please consult our sales team.