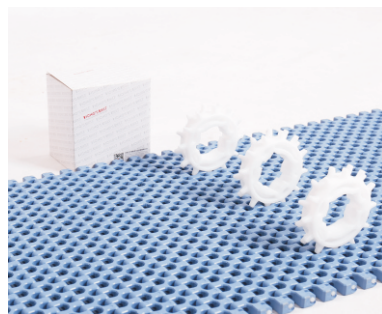
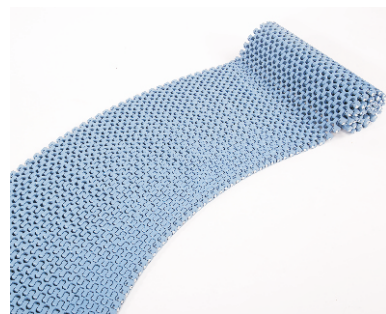
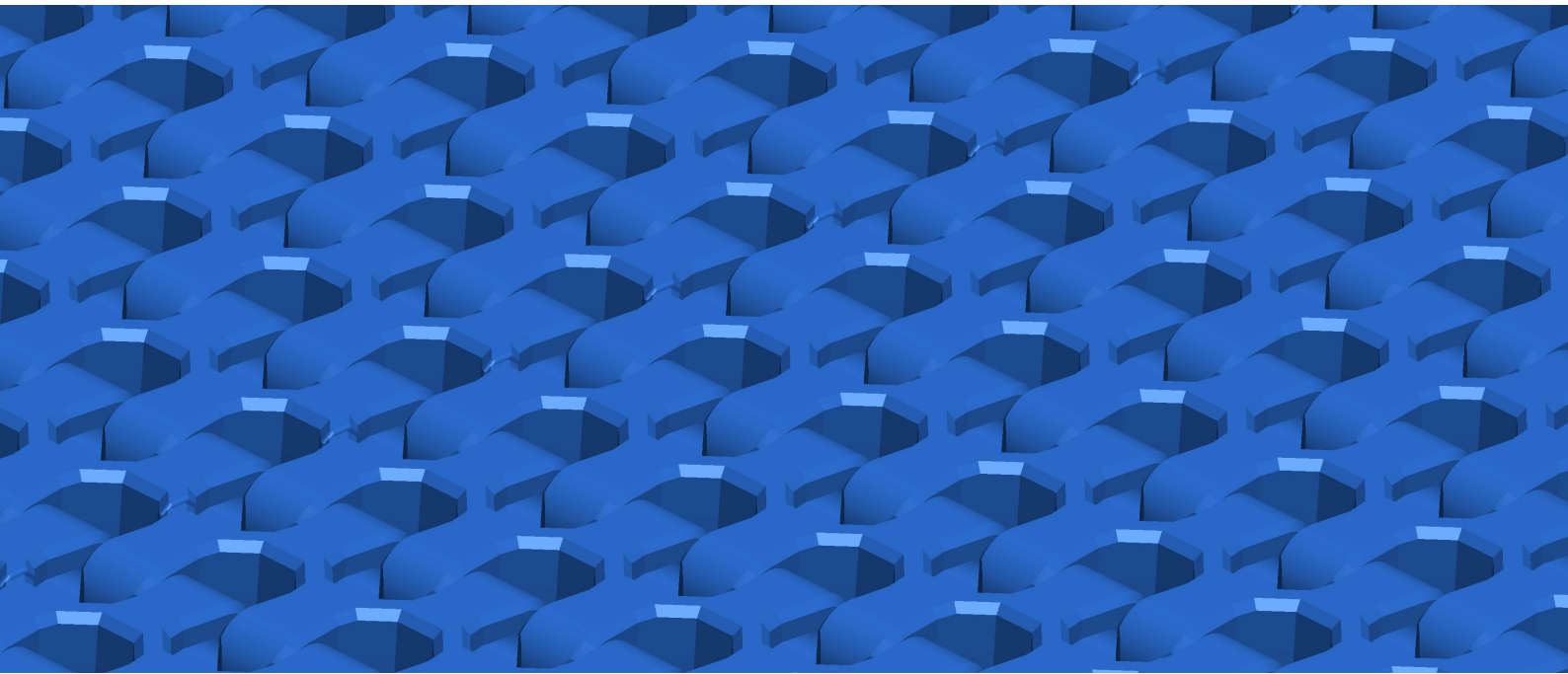
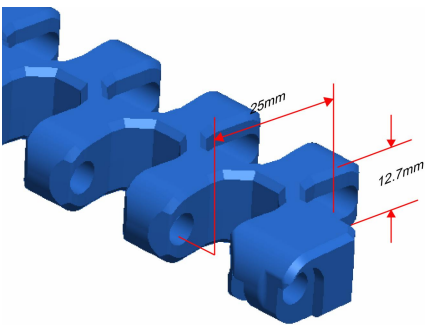


## HS-500B-HD Technical Data Sheet



|                                                                                                                                       |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Pitch: 25mm<br>Minimum Width: 229mm<br>Open Area: 36%<br>Approved: FDA<br>Rod: Ø 4.9mm<br>Flight: Yes<br>Side Guard: No<br>Curve: Yes |  |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|

## Data

| Belt Material   | Belt Strength |         |          |         | Temperature |          | Belt Weight          |
|-----------------|---------------|---------|----------|---------|-------------|----------|----------------------|
|                 | Straight      |         | Curve    |         | ℃ (min.)    | ℃ (max.) | (Kg/M <sup>2</sup> ) |
|                 | Kg/M(BW)      | N/M(BW) | Kg/M(BW) | N/M(BW) |             |          |                      |
| Polypropylene   | 1533          | 15330   | 153      | 1533    | 1           | 100      | 6.4                  |
| Polyethylene    | 1490          | 14900   | 149      | 1490    | -60         | 60       | 6.6                  |
| Acetal          | 2503          | 25030   | 250      | 2503    | -40         | 80       | 9.6                  |
| Nylon           | 2212          | 22120   | 221      | 2212    | 1           | 180      | 9.0                  |
| 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

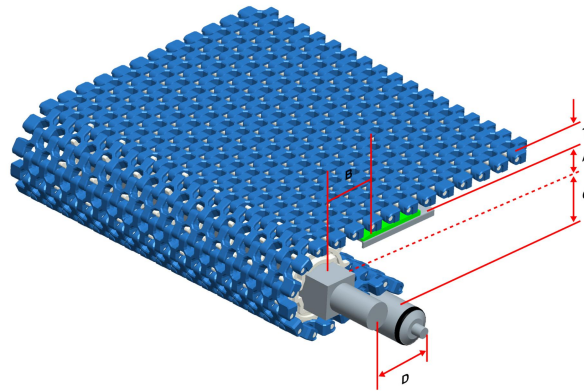
| Belt Material | Friction Wear strips & Products |      |       |       |      |         |           |          |
|---------------|---------------------------------|------|-------|-------|------|---------|-----------|----------|
|               | UHMW                            | HDPE | Steel | Glass | 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<br>Flush Grid (2.2) | --      | --  | --      | --  | --       |

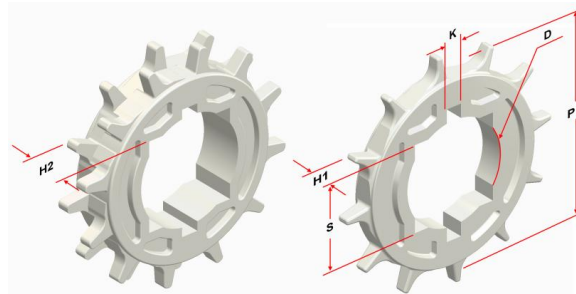
The above content is only for reference.



## Conveyor Frame Dimensions

Unit : mm

| No. Teeth  | A ( Min.) | B ( Min.) | C ( Max.) | D ( Min.) | T    |
|------------|-----------|-----------|-----------|-----------|------|
| 8-2R       | 26        | 42.35     | 23.65     | 200       | 12.7 |
| 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       |      |



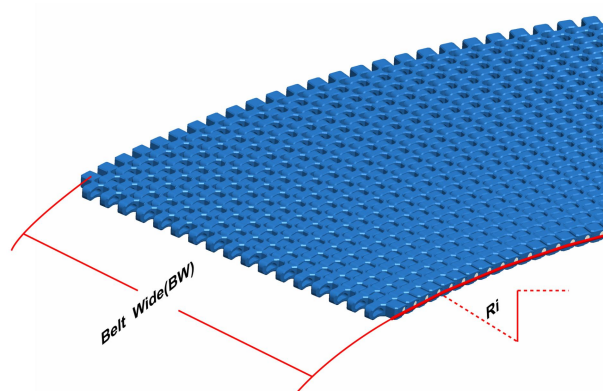
## Sprocket Dimensions

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 | --  |

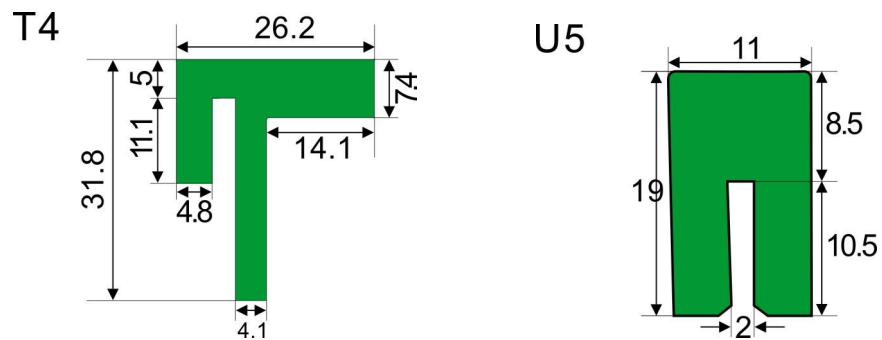
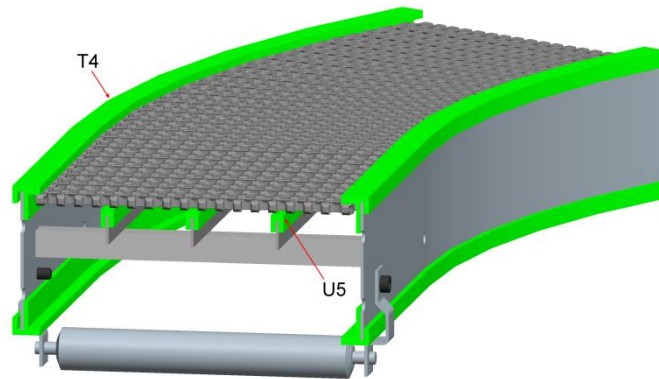
Note: Thickness 11mm is only for 12T-S40.

## 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.