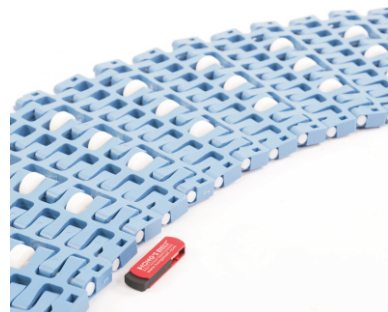
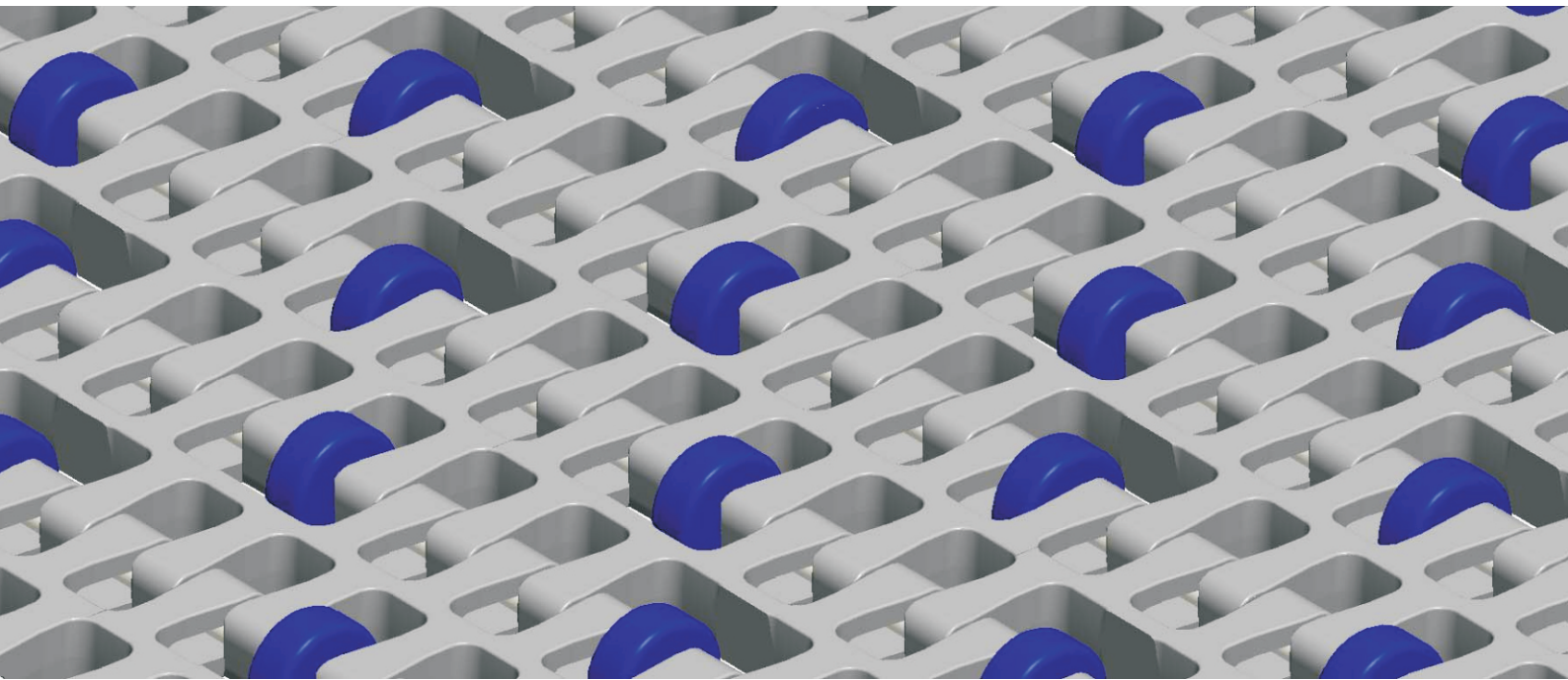


## HS-300B-HD-C Technical Data Sheet



|                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------|--|
| Pitch: 45mm<br>Minimum Width: 218mm<br>Open Area: 38%<br>Permit: FDA<br>Rod: Ø 5.8mm<br>Flight: No<br>Side Guard: Yes<br>Curve : Yes |  |
|--------------------------------------------------------------------------------------------------------------------------------------|--|

## Data

| Belt Material  | Belt Stre ngth |         |          |         | 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  | 2060           | 20600   | 206      | 2060    | 1           | 100      | 7.1                    |
| Polyethylene   | 1460           | 14600   | 146      | 1460    | -60         | 60       | 7.6                    |
| Acetal         | 3170           | 31700   | 317      | 3170    | -40         | 80       | 10.5                   |
| Nylon          | 2050           | 20500   | 205      | 2050    | 1           | 180      | 9.7                    |
| 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

## Friction Tables

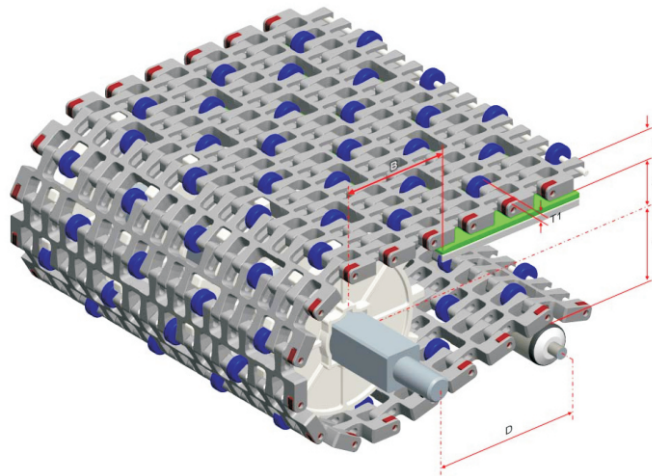
| Belt Material | Friction Wearstrips & Products |      |       |       |      |         |           |          |
|---------------|--------------------------------|------|-------|-------|------|---------|-----------|----------|
|               | UHMW                           | HDPE | Steel | Glass | 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 | UNI      | Rexnord | MCC | Habasit | KVP |
|---------------|----------|----------|---------|-----|---------|-----|
| Series & Type | 2200     | Flex-SNB | 1200    |     | 2500    | 610 |
|               |          |          | 7956    |     | 3800    |     |
|               |          |          |         |     |         |     |

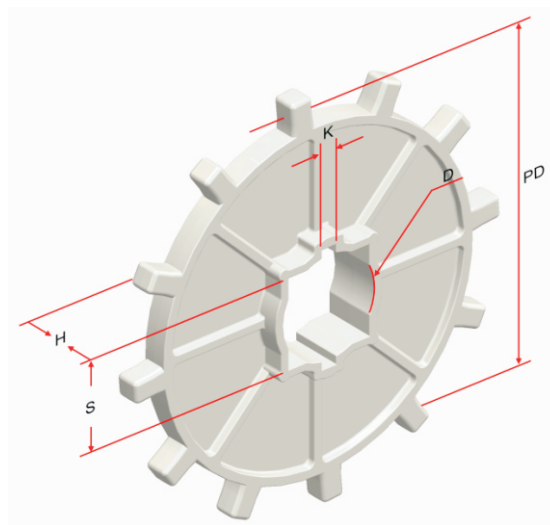
The above content is only for reference.



## Conveyor Frame Dimensions

Unit : mm

| No. Teeth | A ( Min.) | B ( Min.) | C ( Max.) | D ( Min.) | T  | T1  |
|-----------|-----------|-----------|-----------|-----------|----|-----|
| 8         | 52.5      | 70        | 49        | 250       | 15 | 4.5 |
| 12        | 84.7      | 102.2     | 81.2      | 250       |    |     |

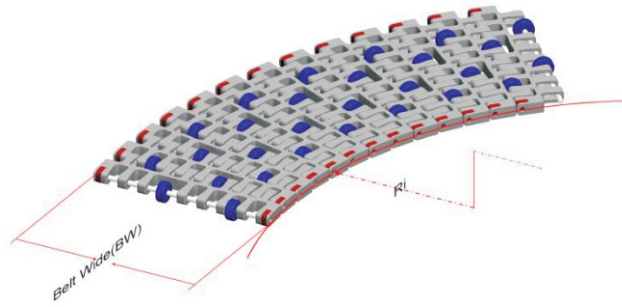


## Sprocket Dimensions

Unit: mm

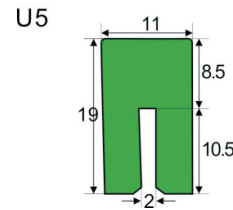
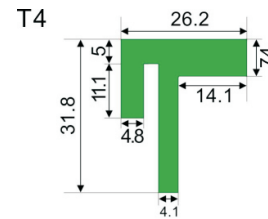
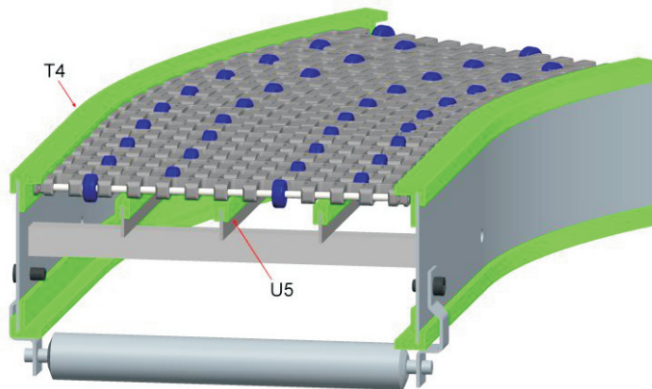
| No. Teeth | PD    | S         | D         | H  | K         |
|-----------|-------|-----------|-----------|----|-----------|
| 8         | 120   | 38.5/40.5 | 25.2/38.1 | 25 | 6.35X3.17 |
| 12        | 184.5 | 38.5/40.5 | 30.5/46.5 | 24 | 8X8       |

## 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.

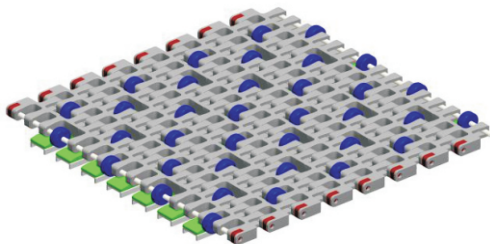
## Guide Rail & Wear Strips



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

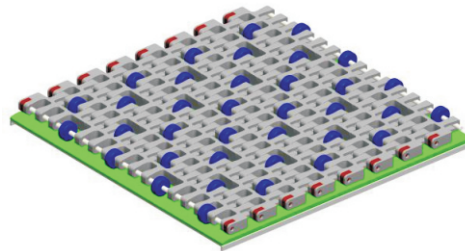
## Support Mode of Insert Roller

### ⌘ Accumulation



Wear Strips are placed between rollers for accumulation.

### Multi-Speed



Wear Strips are placed under the rollers and the speed of products on the belt will be 2 times of the belt speed.