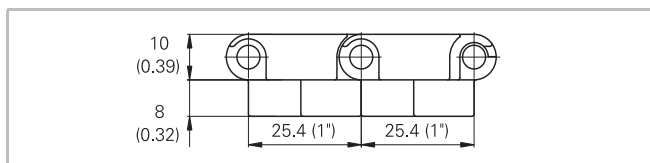
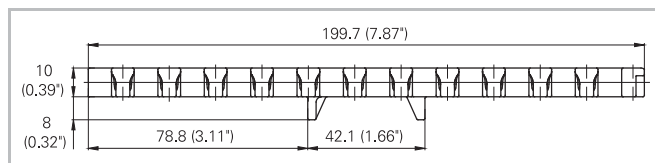
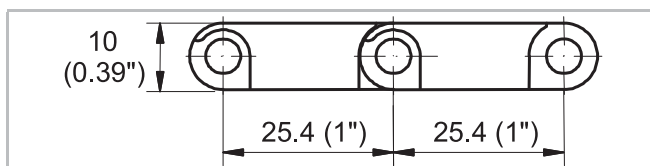
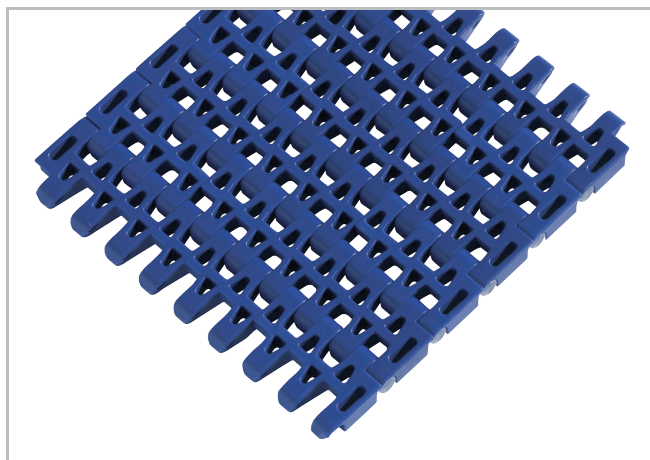


## Description

- 35% open area; 60% open contact area; largest opening 5.5x7 mm (0.22"x0.28")
- Excellent for cooling and draining
- Open hinge
- Food approved materials available
- Rod diameter 5 mm (0.2")
- "Open window" sprockets

## Available accessories

- Flights
- Side guards
- Hold-down devices
- GripTop modules
- Tab modules with 2 tabs (Code: - T2)



## Belt data

Belt material		PP	PE	POM		PA +US	PA	
Rod material		PP	PE	PP	PA			
Nominal tensile strength $F'_N$ straight run	N/m	14000	8000	18000	24700	20000	20000	
	lb/ft	959	548	1233	1692	1370	1370	
Temperature range	°C	5 - 105	-70 - 65	5 - 93	-40 - 93	-46 - 118	-46 - 130	
	°F	40 - 220	-94 - 150	40 - 200	-40 - 200	-50 - 245	-50 - 266	
Temperature maximum (short-term)	°C					135	160	
	°F					275	320	
Belt weight $m_B$	kg/m <sup>2</sup>	4.6	5.1	7.1	7.1	5.6	5.6	
	lb/sqft	0.94	1.04	1.45	1.45	1.15	1.15	

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	2	50	2	100	4	150	6	250.0	10

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

## Standard range of belt widths $b_0$

mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
inch (nom.)	6	8	10	12	14	16	18	20	22	24	26	28	30	32	etc.

Real belt widths are in most cases 0.1% to 0.3% smaller.

For PE material up to 750 mm (30") -5 mm to -1 mm and -0.8% to -0.3% for wider belts.

For PP material up to 750 mm (30") -2 mm to 1 mm and -0.4% to 0.1% for wider belts.

For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0.1% for wider belts.

**Standard belt widths** in increments of 50 mm (2"). Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (3.25").

**For detailed material properties** refer to the HabasitLINK® Engineering Guidelines.

**The nominal tensile strength** is valid for 23 °C (73 °F). The admissible tensile force depends on the operating temperature near the drive sprockets. Within the temperature range allowed, the admissible tensile force may vary from 100% to 20% of the nominal tensile strength. For detailed information and correct calculation of effective tensile force refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

### Belt data for special belt materials

Belt material		PBT +FR		PP +FR		PA +GF	PA +HT	ST
Rod material		PP	PA	PP	PA	ST		
Sprocket material <sup>(1)</sup>		Standard				ST		
Belt width		Standard				see table		
Flammability classification UL 94 <sup>(2)</sup>		V0				HB		V0
Flammability classification ISO 340 <sup>(2)</sup>		yes		no				yes
Nominal tensile strength	N/m	14000	15000	9000	9000	20000	20000	10000
F <sub>N</sub> straight run	lb/ft	959	1027	617	617	1370	1370	685
Temperature range	°C	5 - 105	-40 - 130	5 - 105	5 - 105	0 - 145	0 - 170	0 - 200
	°F	40 - 220	-40 - 266	40 - 220	40 - 220	32 - 293	32 - 338	32 - 392
Temperature maximum (short-term)	°C		150			175	200	240
	°F		302			347	392	464
Belt weight m <sub>B</sub>	kg/m <sup>2</sup>	7.6	7.6	5.6	5.6	7.7	7.7	8.7
	lb/sqft	1.56	1.56	1.15	1.15	1.54	1.54	1.78

<sup>(1)</sup> In most cases standard sprockets are suitable. Depending on the application requirements it may be necessary to select a different sprocket material like Polyamide, Polyurethane or Polypropylene. For Polyamide +HT, Polyamide +GF and Super High Temperature belt materials it is recommended to use sprockets of the Super High Temperature material.

<sup>(2)</sup> Flammability classification UL 94 and ISO 340 see Glossary in the HabasitLINK® Engineering Guidelines.

### Belt width for Polyamide +GF, Polyamide +HT and Super High Temperature material

mm (nom.)	50.5	101.0	151.5	202.0	252.5	303.0	353.5	404.0	454.5	505.0	555.5	606.0	etc.
inch (nom.)	1.99	3.98	5.96	7.95	9.94	11.93	13.92	15.90	17.89	19.88	21.87	23.86	etc.

Real belt widths are in most cases 0.1% to 0.3% smaller.

### Dimension change due to moisture

For Polyamide the dimension change due to moisture adsorption needs to be considered. For detailed information refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

### Dimension change due to temperature

For detailed information and correct calculation of length and width at varying temperature refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

**The nominal tensile strength** is valid for 23 °C (73 °F). The admissible tensile force depends on the operating temperature near the drive sprockets. Within the temperature range allowed, the admissible tensile force may vary from 100% to 20% of the nominal tensile strength. For detailed information and correct calculation of effective tensile force refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

# HabasitLINK®

## M2533 Flush Grid 1"



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