

## H- Type razor-back BELT CLEANERS

The rubber belt cleaners with sintered tungsten carbide tip, known as the H-Type, offer an effective cleaning of the belt due to its damping system. They are capable of removing more than 90% of the fine bulk material that remain attached to the belt. The thin metal blades resist the impacts of the joints and provide a long service life, are economical and, being separable, facilitate the maintenance and repair of the assembly.

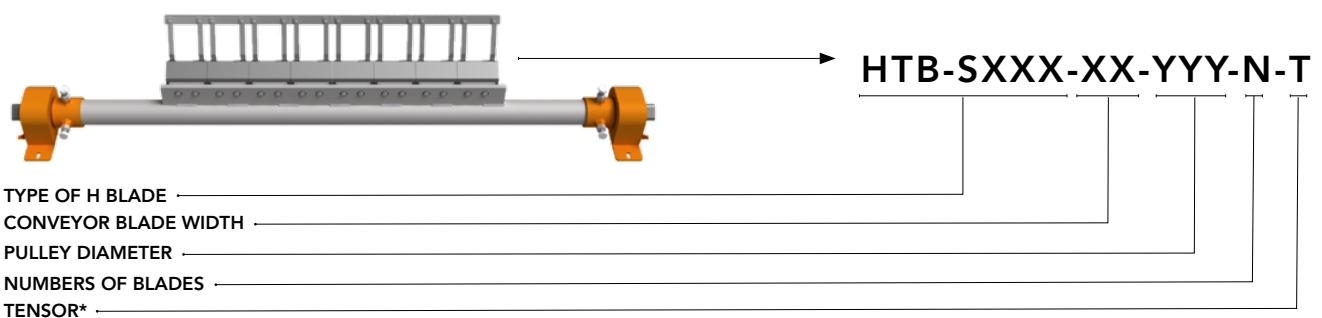
LUFH models are available for conveyor belts width from 300 to 2400 mm (12 to 95 in), and can operate with belt speeds of 6.1 m/s (1200 FPM) and temperatures between -28 ° / 204 ° C (20 ° / 400 ° F).

### SELECTION GUIDE

- For the proper selection of a type H primary cleaning system, the following data is required:
- Belt width.
- Pulley diameter where the system will be installed.
- Speed of the conveyor belt.
- Type of bulk material.
- Operating temperature.

Once the data of the transporter has been collected, proceed as follows:

1. The number of the type of blade is chosen according to the width of the belt and the diameter of the head pulley (See Table 2)
2. The selection of the blade is corroborated with the maximum speed of the belt (See Figure 2)
3. According to the selected blade, the tip of the cleaner is chosen and the number of blades required is specified (See Table 3).



\* See section Tensioners Devices for coding of available tensioners. If you wish to receive help in the selection, you can consult the Technical Department of LUFH-CBS.

**Table 2.** Selection guide for primary H-type belt cleaner

Belt width		HEAD PULLEY DIAMETER, MM (IN)							
		Belt speed, m/s (FPM)							
mm	(in)	<300 (<12)	300-400 (12-16)	400-450 (16-18)	450-560 (18-22)	560-600 (22-24)	600-760 (24-30)	760-810 (30-32)	810-1220 (32-46)
300-400	12-16	1	2	3	N/A	N/A	N/A	N/A	N/A
400-500	16-20	1	2	3	4	N/A	N/A	N/A	N/A
500-650	20-26	1	2	3	4	4	5	N/A	N/A
650-800	26-32	1	2	3	4	4	5	N/A	N/A
800-1000	32-40	1	2	3	4	4	5	N/A	N/A
1000-1200	40-48	1	2	3	4	4	5	6	7
1200-1400	48-56	N/A	2	3	4	4	5	6	7
1400-1600	56-64	N/A	N/A	N/A	5	5	6	6	7
1600-1800	64-72	N/A	N/A	N/A	5	5	6	6	7
1800-2000	72-80	N/A	N/A	N/A	5	5	6	6	7
2000-2200	80-88	N/A	N/A	N/A	5	5	6	6	7
2200-2400	88-96	N/A	N/A	N/A	5	5	6	6	7

## Type of H BLADES

LUFH offers different types of tungsten carbide blade according to each application.

For more information about our H-Type blades you can consult the Technical Department of LUFH-CBS.

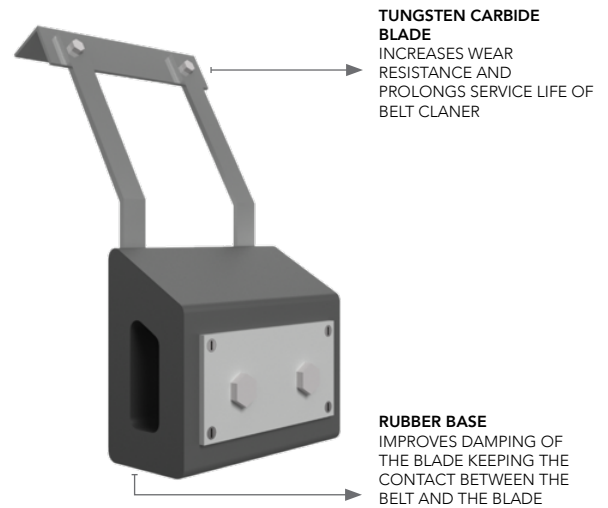


Figure 2. Maximum speed according to primary H-type primary belt cleaner

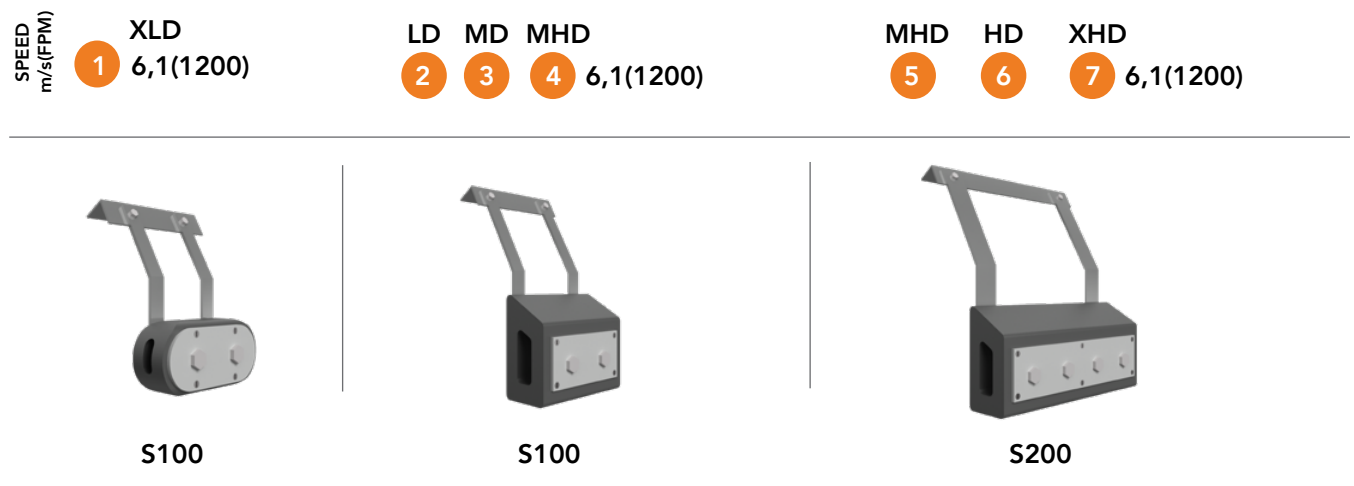


Table 3. Selection guide to determine the number of H-type blades required

Cleaner tip length mm (in)	500 (20)	650 (26)	1000 (40)	1200 (48)	1400 (56)	1600 (64)	1800 (72)	2000 (80)	220 (88) 0	2400 (96)
S100	4	5	9	10	12	14	N/A	N/A	N/A	N/A
S200	N/A	N/A	N/A	5	6	7	8	9	10	11

N°	Product	Dimensions mm (in)	Pulley diameter mm (in)	Belt width mm (in)	Maximum belt speed, m/s (FPS)	Temperature range
1	HTB-S100-XLD	100x150 (4x6)	<400 (<16)	(1200) (<48)	6,1 <1200	-28°/204°C (-20°/400°F)
2	HTB-S100-LD	100x218 (4x9)	400-600 (16-24)	<1200 (<48)	6,1 (1200)	-28°/204°C (-20°/400°F)
3	HTB-S100-MD	100x240 (4x10)				
4	HTB-S100-MHD	100x268 (4x11)				
5	HTB-S200-MHD	200x240 (8x10)	>600 (>24)	<3000 (<120)	6,1 (1200)	-28°/204°C (-20°/400°F)
6	HTB-S200-HD	200x268 (8x11)				
7	HTB-S200-XHD	200x295 (8x12)				