

Ningbo Yoyang Rubber&Plastic Products CO.,LTD

Add:Room 4216,No.4 building,No.568 Simingdong Rd,Zhonghe Street,Yinzhou Distric,Ningbo,China

M:86 159 889 37552

F:86 576 83138715

Tax ID:9133 0212 MA2C KDN 370

Conveyor Belt Cleaner System



Conveyor Belt Cleaner System

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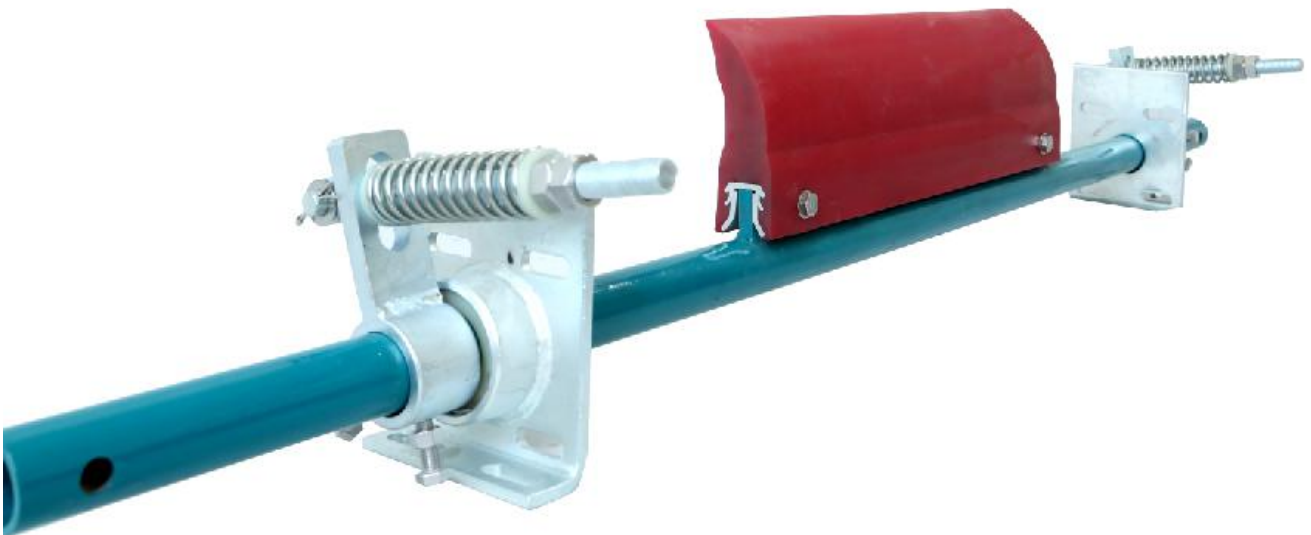
1.1. Primary PU Belt Cleaner (DB-HPU)

Installed on the head pulley to provide effective cleaning.

Wear-resistant polyurethane blade doesn't damage the belt and extend belt life.

Self-adjusting spring tensioners make sure consistent pressure and effective cleaning.

When the blade wears or the belt jumps, the scraper will follow up automatically to ensure good contact.



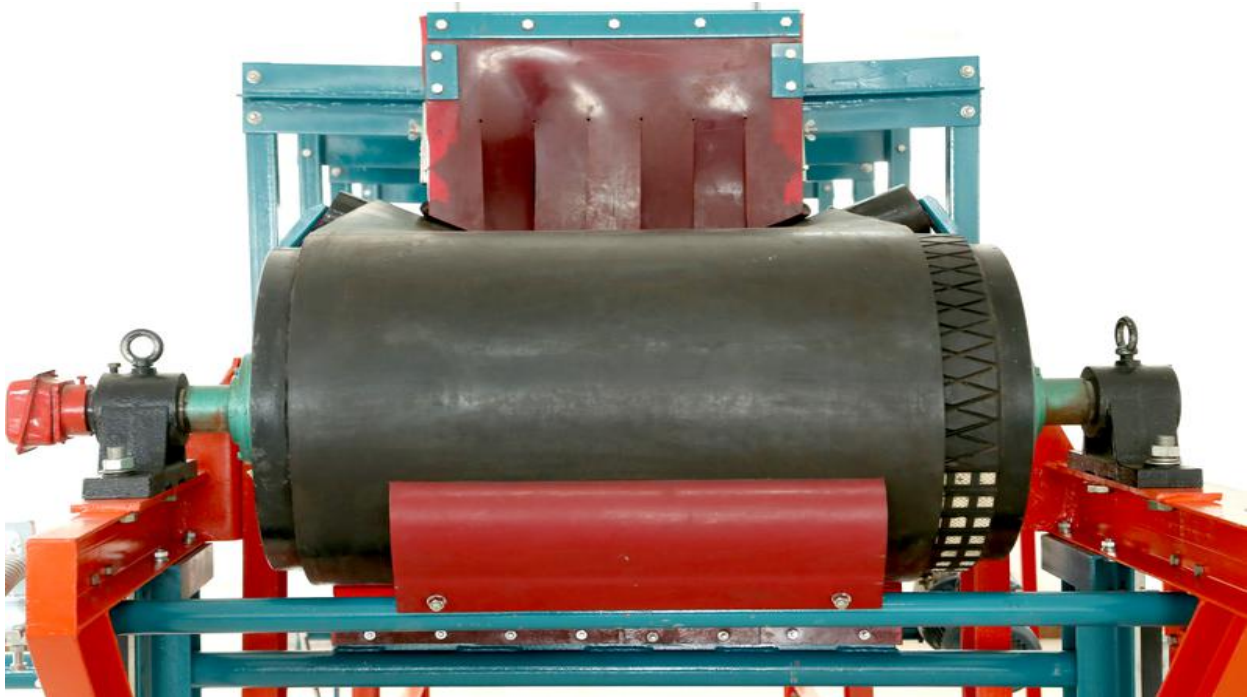
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Features:

- 1. for belts 500-2000mm*
- 2. replaceable PU blade*
- 3. easy installation*
- 4. low maintenance*
- 5. self-adjusting tensioner*
- 6. extend belt life*

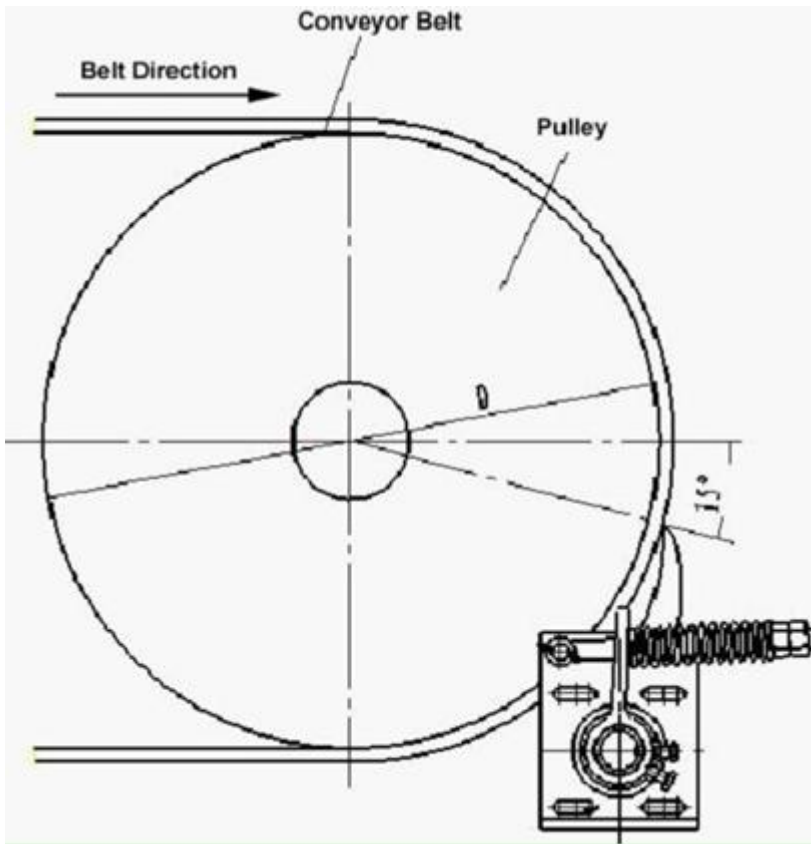
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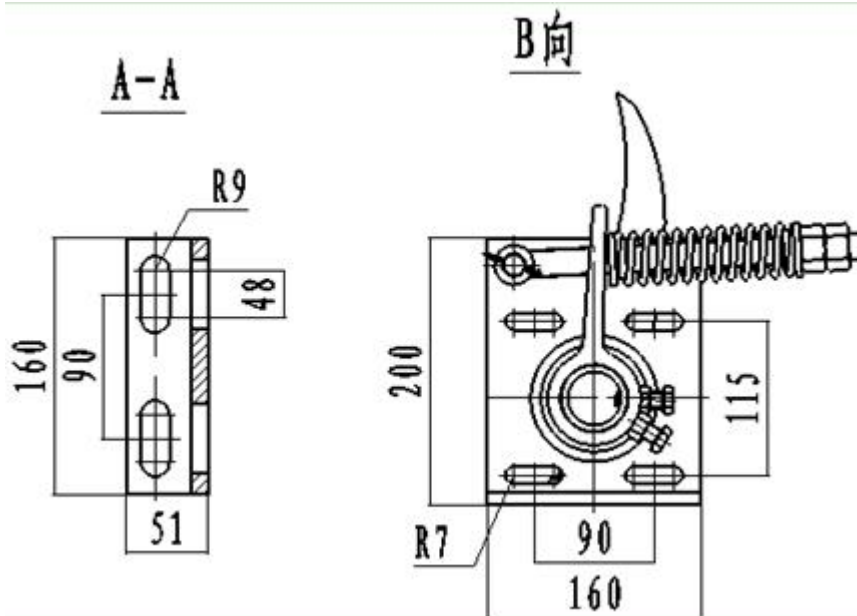
Applications:

1.Belt Width: 500~2000mm;

2.Belt Speed: ≤ 3.5 (m/s)

3.Temperature: -40~90 °C

4.Material Humidity: $\leq 15\%$



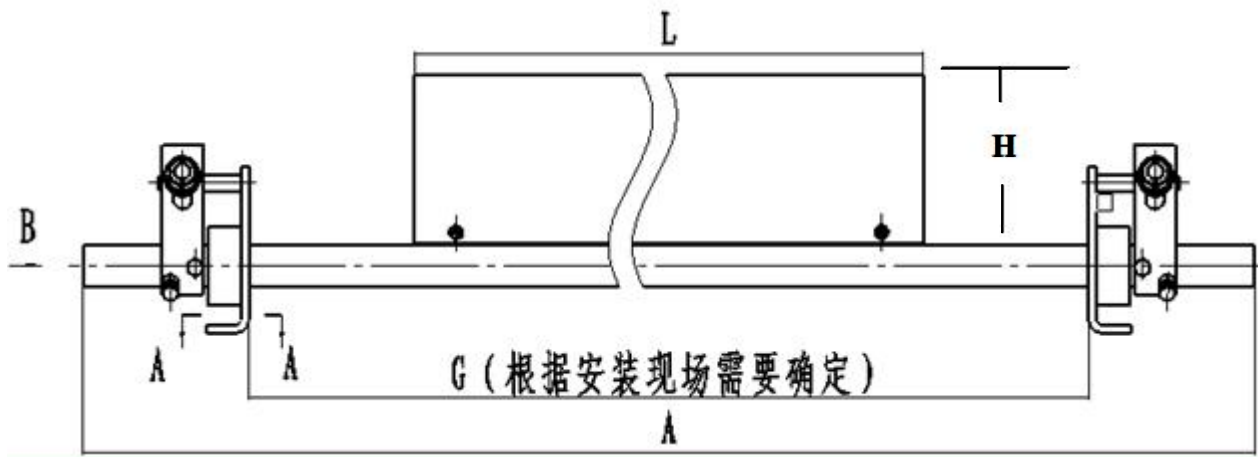
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Primary Belt Cleaner

Model	Belt Width (mm)	Blade Width L (mm)	Pole Length A (mm)	Blade Height H (mm)	G
DB-HPU-50	500	400	1500	185	According to conditions of the site.
DB-HPU-65	650	500	1600	185	
DB-HPU-80	800	600	1800	185	
DB-HPU-100	1000	800	2000	185	
DB-HPU-120	1200	1000	2200	185	
DB-HPU-140	1400	1200	2400	185	
DB-HPU-160	1600	1400	2600	185	
DB-HPU-180	1800	1600	2800	185	
DB-HPU-200	2000	1800	3000	185	

Note:

--Blade width, pole length could be made as customer's request.

--For Primary Cleaner, the blade width should fit the material path. The material path is typically center 2/3 of the belt width.

So in most cases a blade size of belt width minus 200mm(8") is the best selection.

1.2. Heavy-Duty PU Belt Cleaner(DB-ZHPU)

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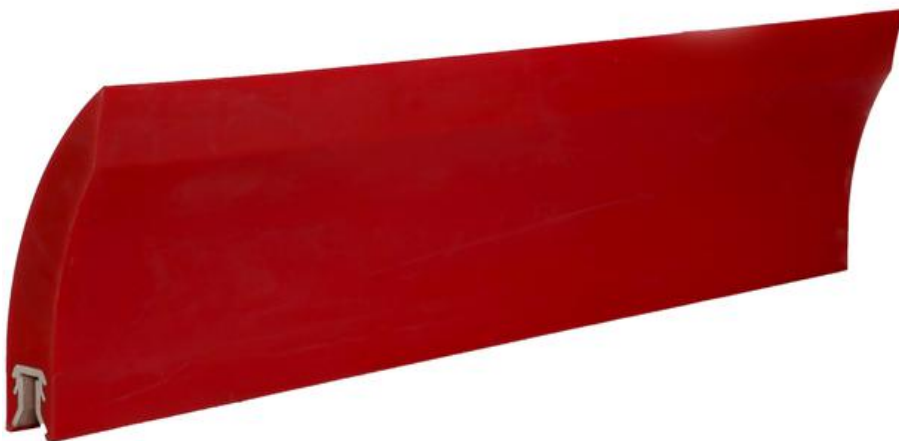
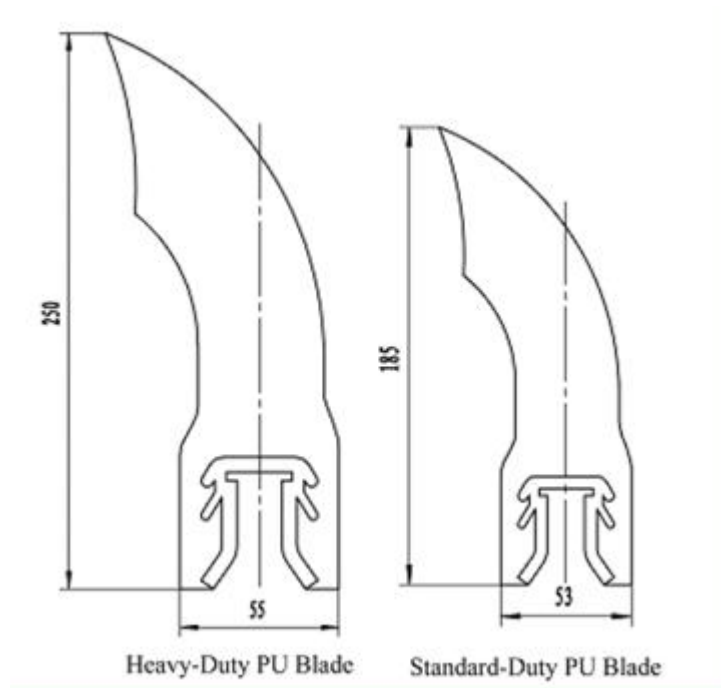
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DB-ZHPU Heavy-duty Polyurethane Belt Cleaner is designed for high-speed conveyor systems.

Size of heavy-duty PU blade is increased and it prolongs service-time of the cleaner .



Heavy-Duty PU Blade



Standard-Duty PU Blade

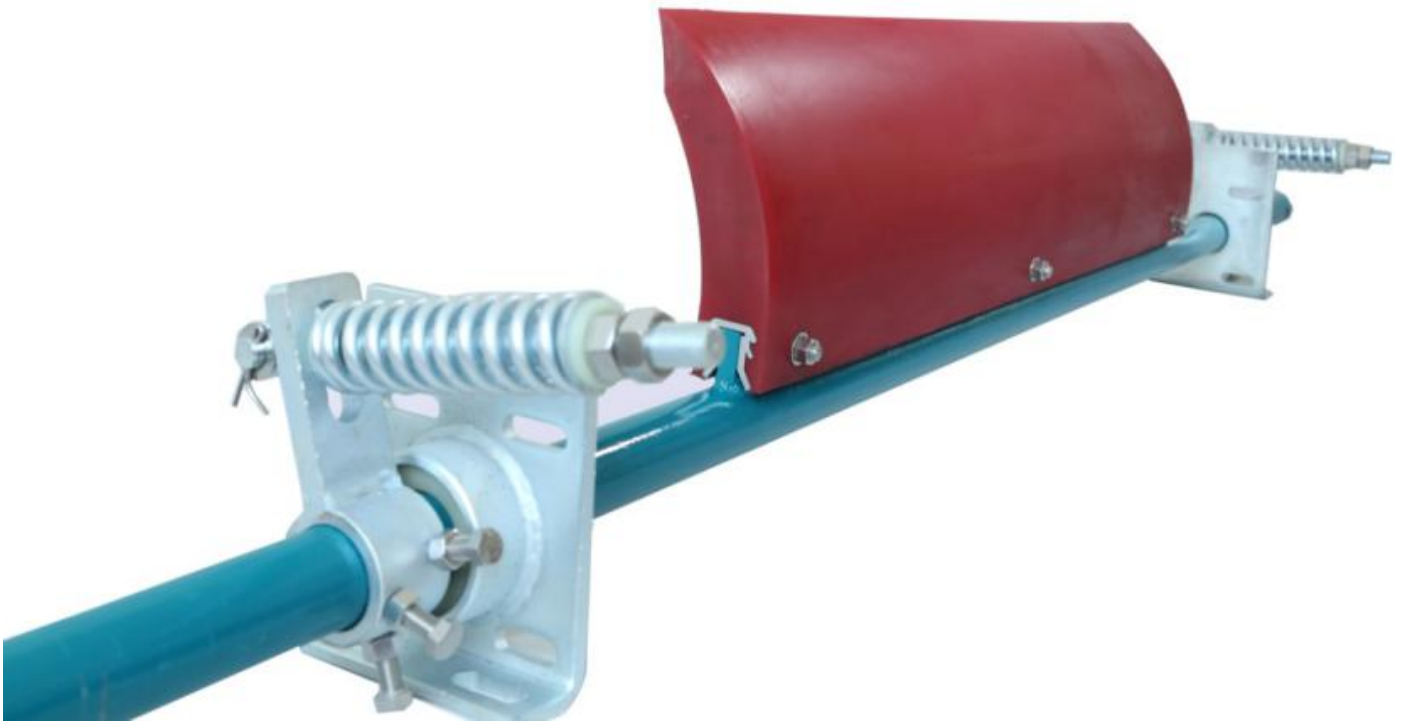
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Applications:

1.Belt Width: 500~2000mm;

2.Belt Speed: >3.5(m/s)

3.Temperature: -40~90 °C

4.Material Humidity: ≤15%

Model	Belt Width (mm)	Blade Width L (mm)	Pole Legnth A (mm)	Blade Height H(mm)	G
DB-ZHPU-50	500	400	1500	250	According to conditions of the site.
DB-ZHPU-65	650	500	1600	250	
DB-ZHPU-80	800	600	1800	250	
DB-ZHPU-100	1000	800	2000	250	
DB-ZHPU-120	1200	1000	2200	250	
DB-ZHPU-140	1400	1400	2400	250	
DB-ZHPU-160	1600	1400	2600	250	
DB-ZHPU-180	1800	1600	2800	250	
DB-ZHPU-200	2000	1800	3000	250	

1.3. Secondary PU Belt Cleaner(DB-PPU)

DB-PPU Secondary Polyurethane Belt Cleaner can be mounted in any secondary cleaning position---usually about 100mm from where the belt leaves the head pulley.

The secondary cleaner, used together with the primary cleaner, has a self-adjusting spring tensioner system to maintain close contact with the belt without damaging the belt and achieve good cleaning results.



The PU blade has the following advantages:

wear-resistance

anti-corrosion

anti-fracture

Hydrolysis

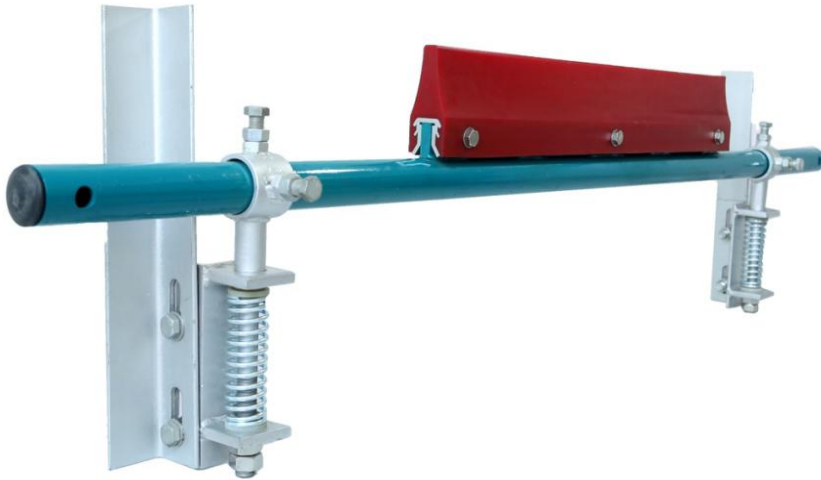
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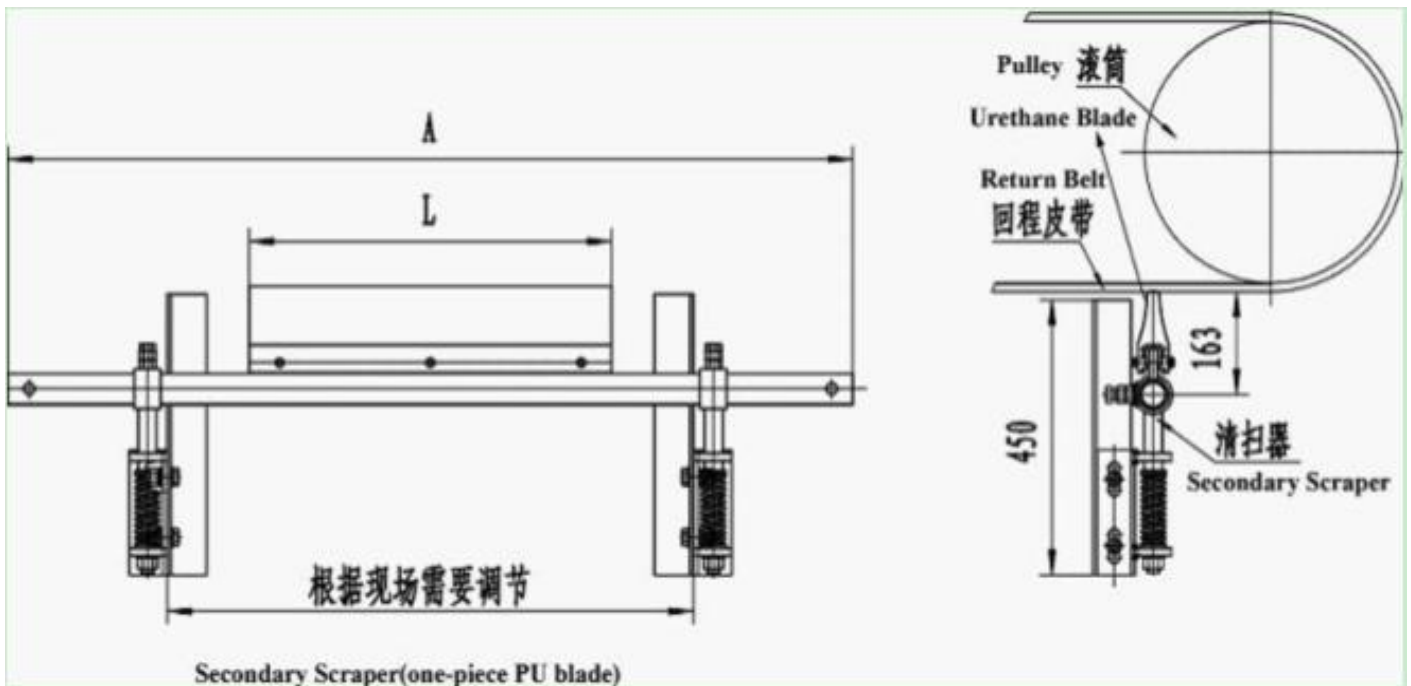
Applications :

1.BeltWidth: 500~2000mm;

2.Belt Speed: $\leq 3.5(m/s)$

3.Temperature: $-40\sim 90^{\circ}C$

4.MaterialHumidity: $\leq 15\%$



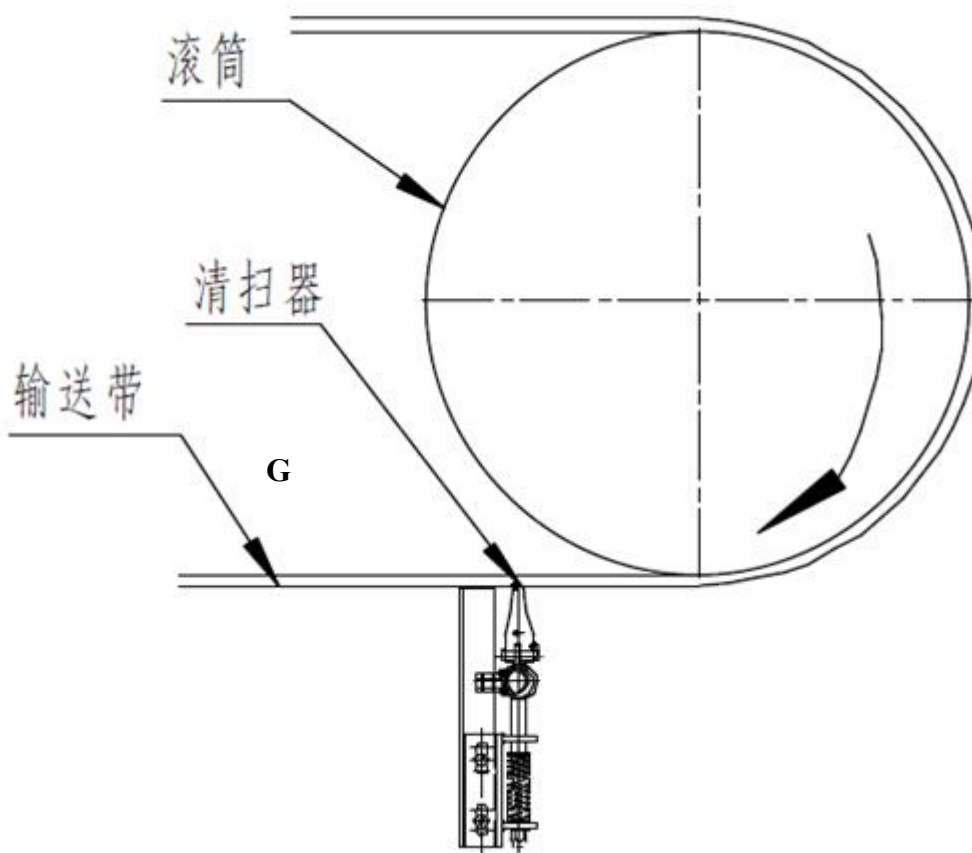
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Model	Belt Width (mm)	Blade Width L (mm)	G	Pole Length A (mm)	Weight (Kg)
DB-PPU-50	500	500	According to conditions of the site.	1500	19
DB-PPU-65	650	600		1600	22
DB-PPU-80	800	800		1800	25
DB-PPU-100	1000	1000		2000	28
DB-PPU-120	1200	1200		2200	31
DB-PPU-140	1400	1400		2400	34
DB-PPU-160	1600	1600		2600	37
DB-PPU-180	1800	1800		2800	40
DB-PPU-200	2000	2000		3000	43

1.4. Heavy-Duty Secondary PU Belt Cleaner(DB-ZPPU)

DB-ZPPU Heavy-Duty Secondary PU Belt Cleaner is designed for high-speed conveyor systems.

Size of heavy-duty PU blade is increased and it prolongs service-time of the cleaner .



Applications:

- 1.Belt Width: 500~2000mm;**
- 2.Belt Speed: >3.5(m/s)**
- 3.Temperature: -40~90 °C**
- 4.Material Humidity: ≤15%**

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Model	Belt Width (mm)	Blade Width L (mm)	Pole Length A (mm)	Blade Height H (mm)	G	Weight (Kg)
DB-ZPPU-50	500	500	1500	200	According to conditions of the site.	21
DB-ZPPU-65	650	600	1600	200		24
DB-ZPPU-80	800	800	1800	200		28
DB-ZPPU-100	1000	1000	2000	200		32
DB-ZPPU-120	1200	1200	2200	200		34
DB-ZPPU-140	1400	1400	2400	200		37
DB-ZPPU-160	1600	1600	2600	200		40
DB-ZPPU-180	1800	1800	2800	200		43
DB-ZPPU-200	2000	2000	3000	200		46

1.5. Secondary PU&Alloy Belt Cleaner (DB-PPA)

DB-PPA Secondary PU&Alloy Belt Cleaner can be mounted in any sencondary cleaning position---usually about 100mm from when the belt leaves the head pulley.

The PU Blade has a Tungsten Carbide Tip.



Tungsten Carbide Tip

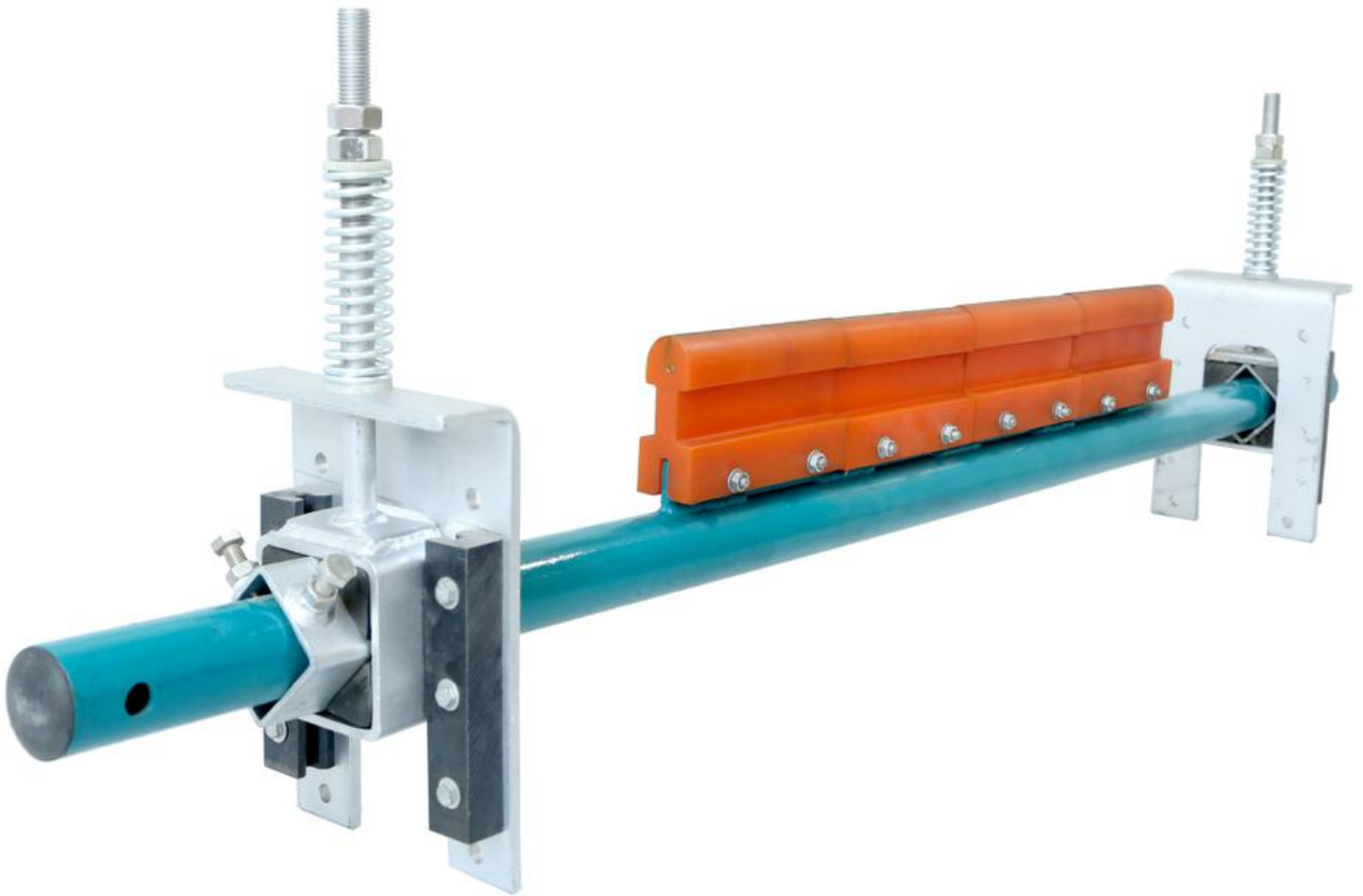
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Unique structure with multi-level buffer (1. PU Blade 2 Rubber torsion element 3. Spring tensioner), reduce the impact to mechanical fasteners and make the PU blade move away from the fasteners and pass easily without damaging the belt.

Applications:

- 1. Belt Width:500~2000(mm)**
- 2. Suitable for both mechanical or vulcanized joint belt.**
- 3. Suitable for tough applications with wet,sticky carryback.**

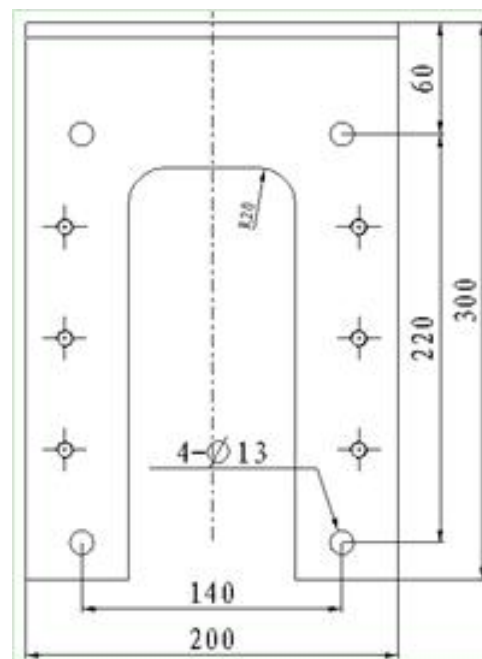
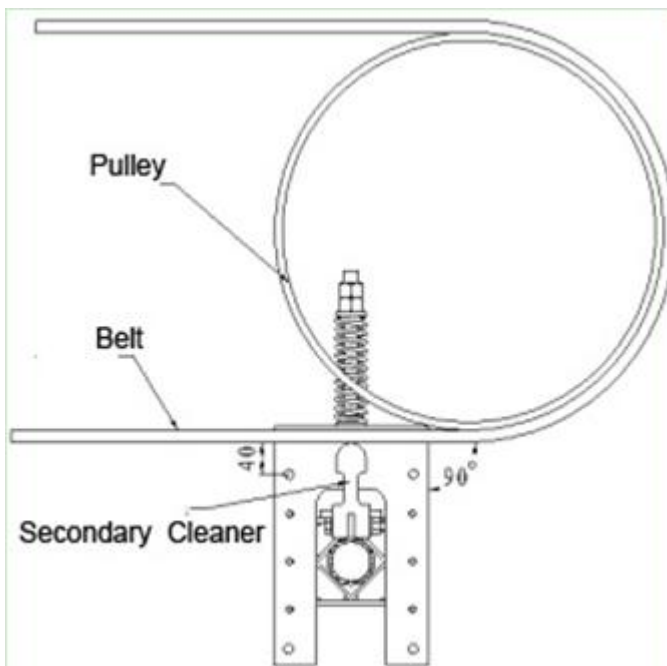
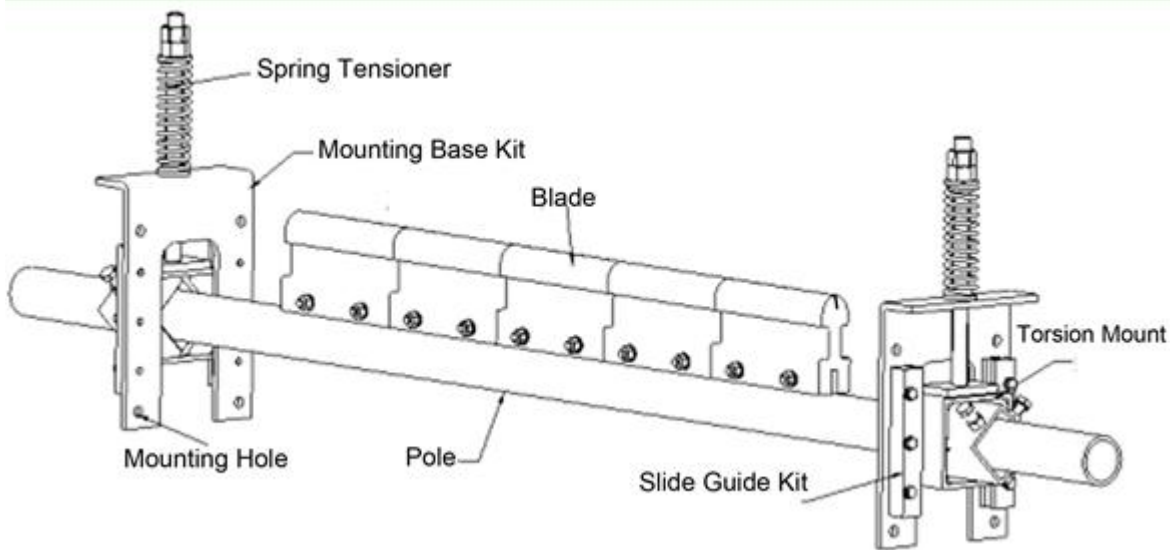
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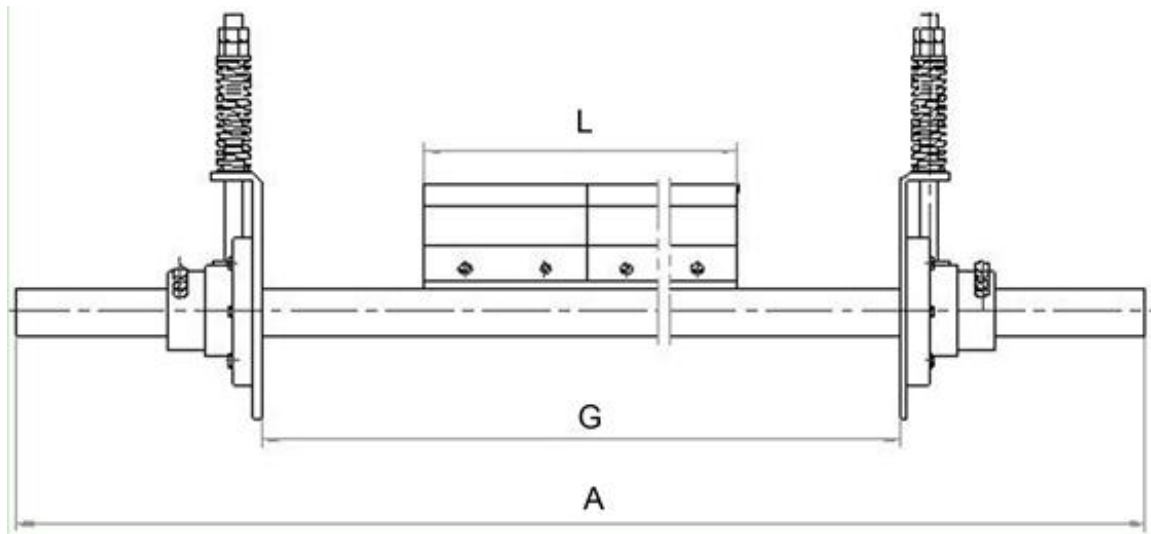
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Model	Belt Width (mm)	Blade Width L (mm)	G	Pole Length A (mm)	Weight (Kg)
DB-PPA-65	650	600	According to conditions of the site.	1600	33
DB-PPA-80	800	800		1800	37
DB-PPA-100	1000	1000		2000	40
DB-PPA-120	1200	1200		2200	43
DB-PPA-140	1400	1400		2400	47
DB-PPA-160	1600	1600		2600	50
DB-PPA-180	1800	1800		2800	53
DB-PPA-200	2000	2000		3000	57

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1.6. V-Plough Belt Cleaner (Return Belt Cleaner) (DB-KQ)

V-Plough Belt Cleaner is used to clean the inside of the return belt.



Light-Duty V- Plough Belt Cleaner

Features:

- *Special polyurethane blade.*
- *Low friction coefficient.*
- *Anti-corrosion.*
- *Without damaging the belt.*
- *Simple structure.*
- *Easy-to-maintenance .*



Applications:

- 1.Belt Width: 500~2000mm;**
- 2.Belt Speed: ≤3.5(m/s)**
- 3.Temperature: -40~90 °C**
- 4.Material Humidity: ≤15%**

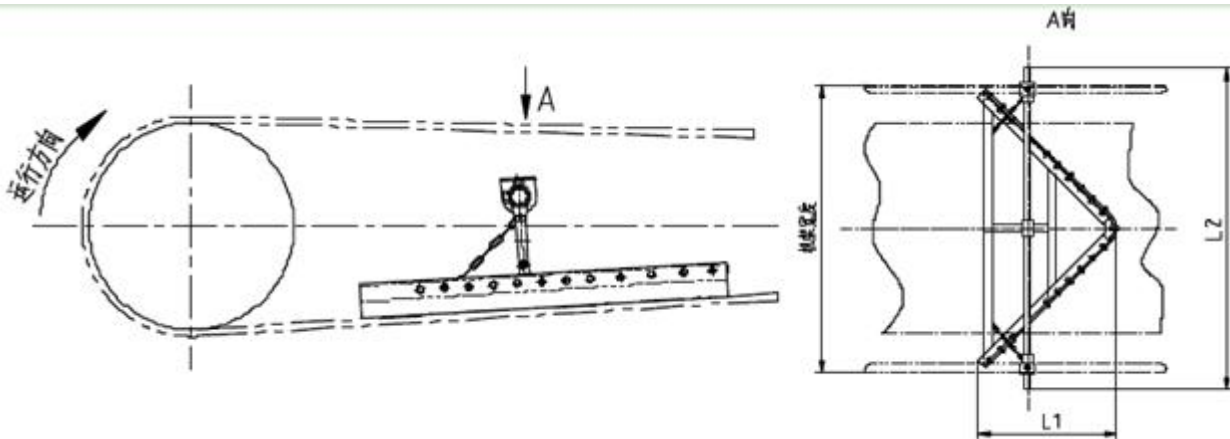
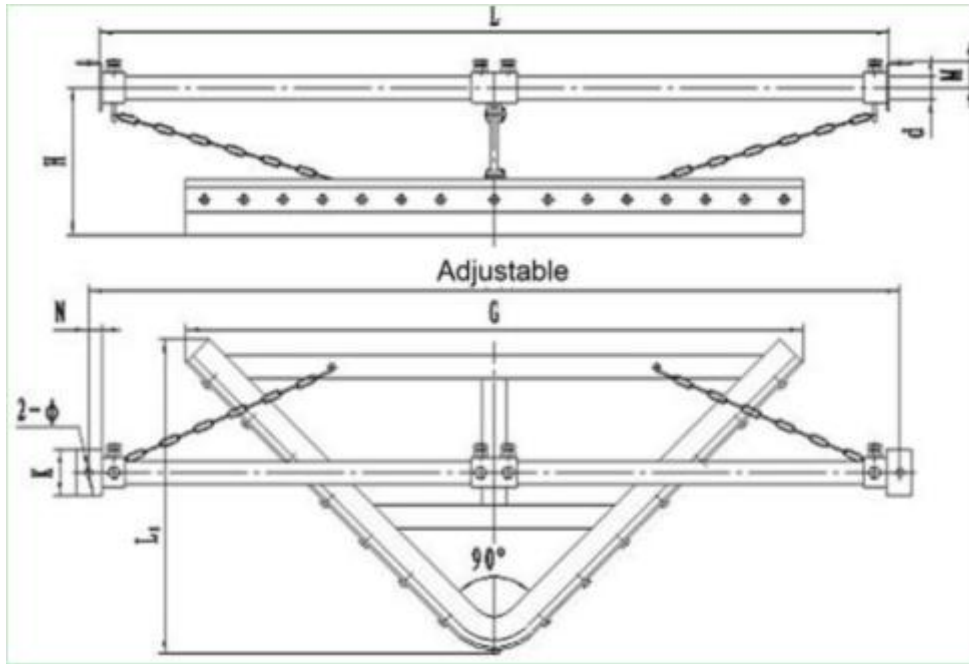
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Model	Belt Width (mm)	L1 (mm)	Pole Length L (mm)	H (mm)	M(mm)	d(mm)	Weight (Kg)
DB-KQ-50	500	322	1000	315	55	50	20
DB-KQ-65	650	395	1100	315	55	50	24
DB-KQ-80	800	460	1300	315	55	50	28
DB-KQ-100	1000	566	1500	315	55	50	38
DB-KQ-120	1200	672	1700	315	55	50	44
DB-KQ-140	1400	772	1900	315	55	50	48
DB-KQ-160	1600	866	2100	368	70	60	54
DB-KQ-180	1800	972	2300	368	70	60	58
DB-KQ-200	2000	1072	2500	368	70	60	65

1.7 Heavy-duty V-Plough Belt Cleaner (Return Belt Cleaner) (DB-ZKQ)

Suitable for high speed conveyor.

Improved polyurethane blade makes sure good cleaning efficiency.

Increased height and thickness extend belt cleaner's service life.



Heavy-Duty V-Plough Belt Cleaner

Applications:

- 1.Belt Width: 500~2000mm**
- 2.Belt Speed: >3.5(m/s)**
- 3.Material Humidity: ≤15%**
- 4.Temperature: -40~90 °C**

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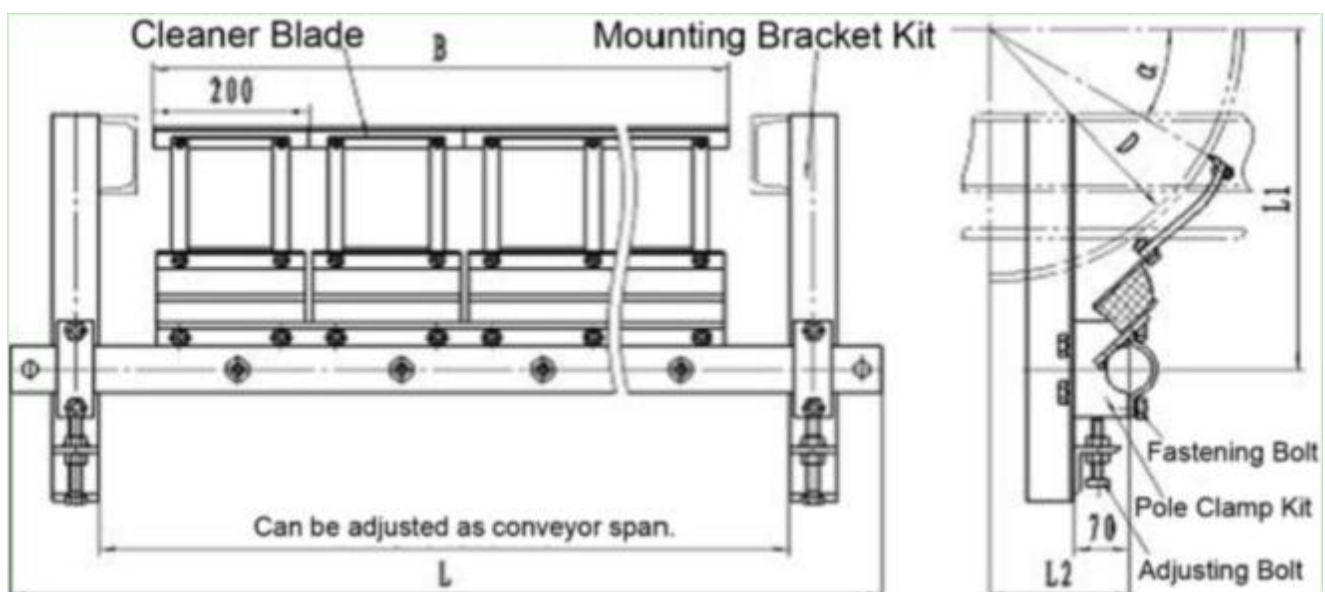
Model	Belt Width(mm)	L1 (mm)	L (mm)	Weight (Kg)
DB-ZKQ-50	500	332	1000	24
DB-ZKQ-65	650	405	1100	30
DB-ZKQ-80	800	470	1300	38
DB-ZKQ-100	1000	576	1500	46
DB-ZKQ-120	1200	682	1700	54
DB-ZKQ-140	1400	782	1900	62
DB-ZKQ-160	1600	876	2100	70
DB-ZKQ-180	1800	982	2300	78
DB-ZKQ-200	2000	1082	2500	85

1.8 Diagonal Return Belt Cleaner



2.1. H-Type Primary Belt Cleaner(DTEH)

DTEH H-Type Primary Belt Cleaner is optimally mounted in the head of the pulley to drop carryback right at the transfer point.



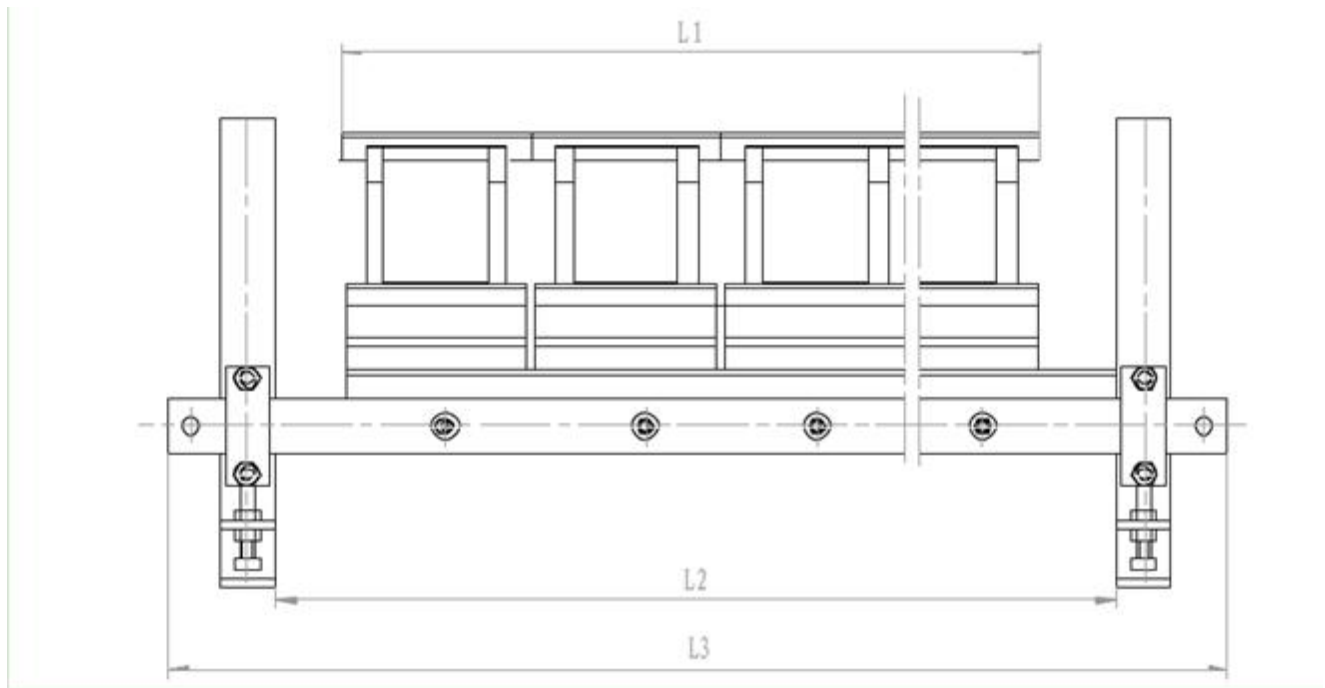
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Model	Belt Width (mm)	Pole Length L (mm)	Blade Width B	Weight (Kg)
DT01EH	500	400	1140	31.5
DT02EH	650	600	1600	36.0
DT03EH	800	800	1800	42.0
DT04EH	1000	1000	2000	46.5
DT05EH	1200	1200	2200	51.0
DT06EH	1400	1400	2400	56.9
DT07EH	1600	1600	2600	61.9
DT08EH	1800	1800	2800	72
DT09EH	2000	2000	3000	77.1

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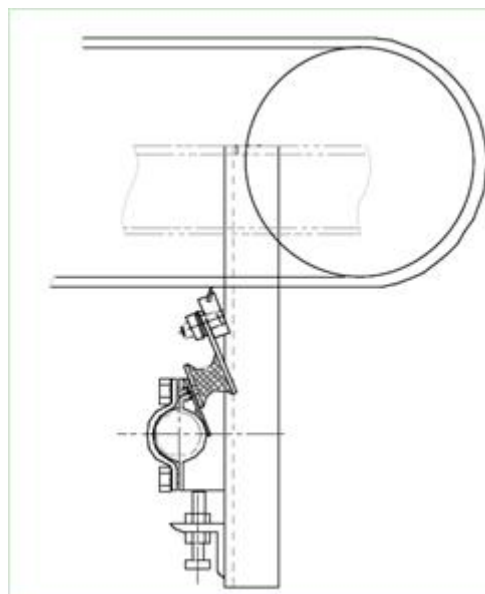
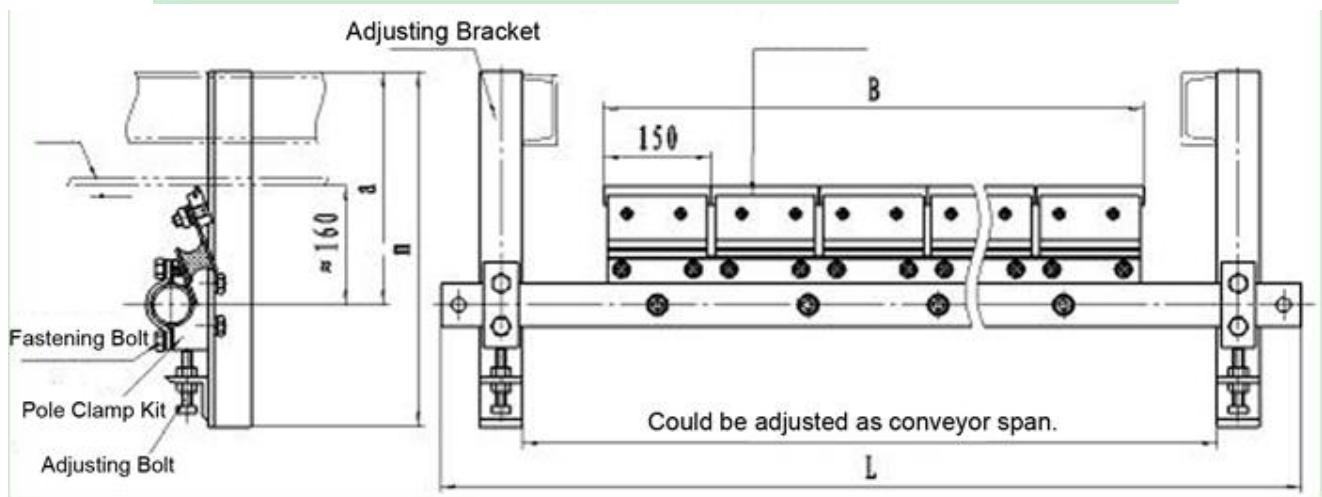
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H-Type Primary Belt Cleaner with spring tensioner is also available.



2.2. P-Type Secondary Belt Cleaner(DTEP)

DTEP P-Type Secondary Belt Cleaner is used to clean the return belt.



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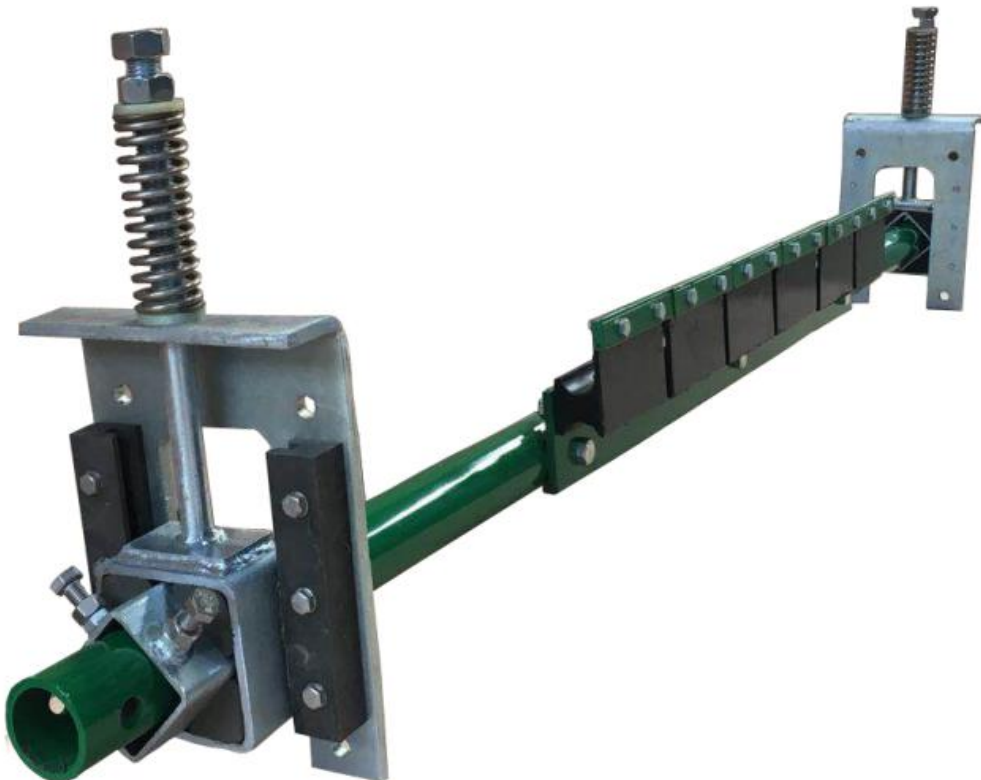
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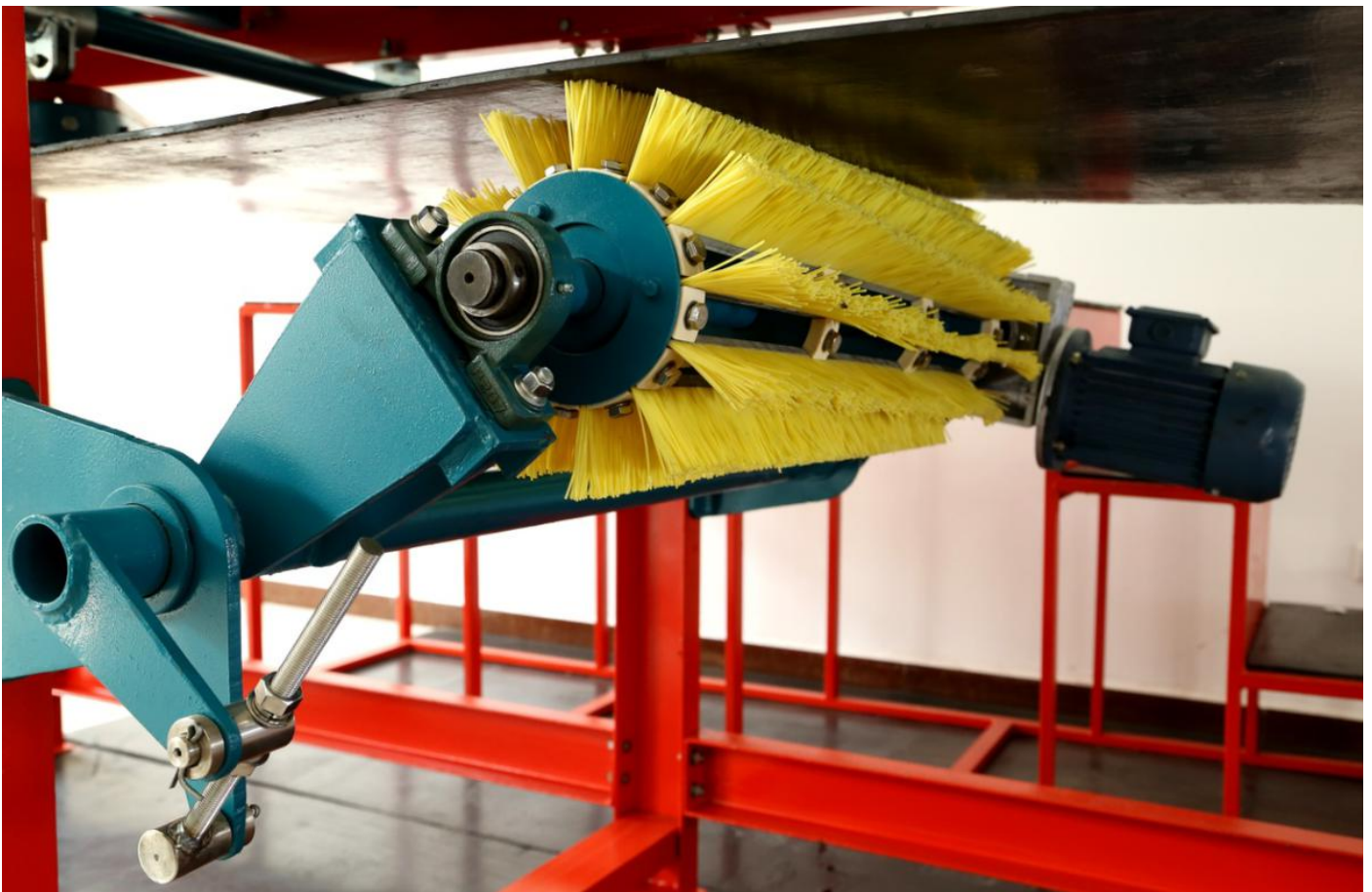
Model	Belt Width(mm)	B (mm)	L (mm)	Weight (Kg)
DT01EP	500	450	1140	30.0
DT02EP	650	600	1600	33.4
DT03EP	800	750	1800	36.2
DT04EP	1000	900	2000	39.5
DT05EP	1200	1200	2200	44.5
DT06EP	1400	1350	2400	48.0
DT07EP	1600	1500	2600	52.0
DT08EP	1800	1800	2800	65.0

P-Type Secondary Belt Cleaner with spring tensioner is also available



3.1.Motorized Brush Style BeltCleaner(DB-XQ-I)

DB-XQ-I is a motorized brush style conveyor belt cleaner installed under the return belt of the conveyor.It has cylindrical nylon brush and tips of the brush touch the belt surface gently. The rotating brush turns in the opposite direction of the belt.Therefore, it brushes away the sticky materials into the funnel.



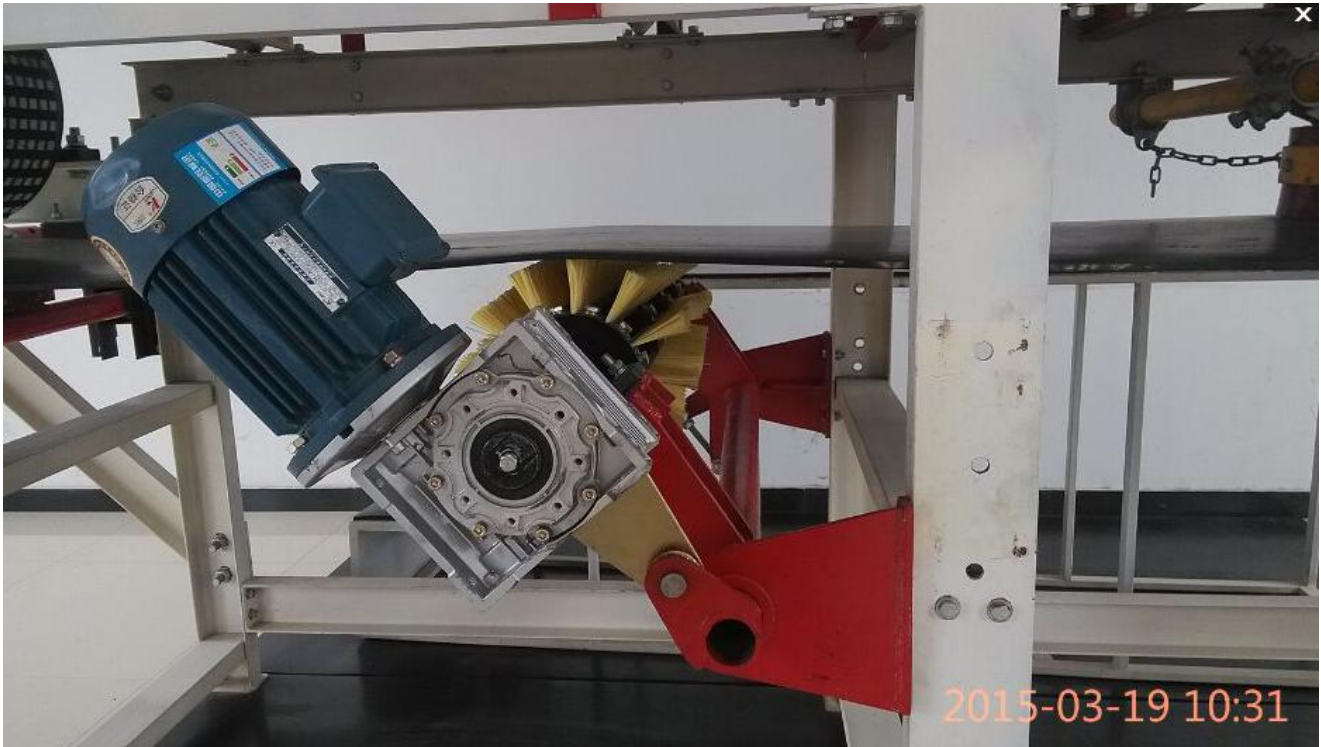
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Application:

- 1.Belt Width:650~1400(mm)
- 2.Material humidity: $\leq 5\%$
- 3.Applicable for patterned belt or flat face conveyor belt.

Advantages :

- 1.Easy to install.
- 2.Cleaning efficiently.
- 3.Safe and reliable, longer service life, low maintenance cost
- 4.Continuous contact, efficient cleaning, good results.
- 5.Nylon brush, through a special process, is non material sticking and cale deposit.
- 6.Gentle contact without any wear-out to the belt,extending service life of belt.

Parameter of motor and reducer:

Voltage	380V AC ±10%
Power	1.5kw
Output speed	140r/min
Transmission ratio	10i
Output torque	88Nm
Lubricant oil	L-CKD

ATTENTIONS:

- 1. Be sure to read the instructions carefully before installing.*
- 2. Inspect and fill the lubricant oil termly as spicefied.*
- 3. All rotating parts should be covered with protective covering as rule to prevent accident.*

<i>Model</i>	Belt Width (mm)	<i>L1 (mm)</i>	<i>L2(mm)</i>	<i>Weight (Kg)</i>
<i>DB-XQ-I-500</i>	500	500	850	68.2
<i>DB-XQ-I-650</i>	650	650	1300	74.6
DB-XQ-I-800	800	800	1300	80.1
DB-XQ-I-1000	1000	1000	1590	87.3
DB-XQ-I-1200	1200	1200	1750	94.6
DB-XQ-I-1400	1400	1400	2130	116.4

3.2. Motorless Brush Belt Cleaner (DB-XQ-II)

DB-XQ-II Rotary Brush Belt Cleaner is installed on the conveyor frame through two supports. It uses the speed and force of the belt rolling over the drive roller. When the belt runs, the drive roller rotates due to the friction force and drive the brush through the swaybrace.

The rotating direction of the nylon brush is opposite to that of the return belt, Therefore, it brushes away materials adhered to the belt surface into the funnel.



Advantages:

- 1. Optimal design, easy to install and adjust.**
- 2. No power required, save cost.**
- 3. Gentle contact without any wear-out to the belt, extending service life of belt.**
- 4. Reduce carry back.**

Nylon 66

Recommended for applications within the limits below:

Belt width: 500-2000mm

Applications: Dry and fine materials

Avoid: Wet and stickymaterials

Temperature: -25 to 80 °C.

Model List

Model	Belt Width (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	H (mm)	D (mm)	Weight (Kg)
DB-XQ-II-500	500	600	500	740	804	240	Ø133	81.32
DB-XQ-II-650	650	750	650	890	950	240	Ø133	92.82
DB-XQ-II-800	800	900	800	1090	1154	240	Ø133	100.82
DB-XQ-II-1000	1000	1100	1000	1290	1354	240	Ø133	109.72
DB-XQ-II-1200	1200	1300	1200	1540	1604	240	Ø133	117.82
DB-XQ-II-1400	1400	1500	1400	1740	1811	260	Ø159	173.12
DB-XQ-II-1600	1600	1740	1600	1980	2051	260	Ø159	184.92
DB-XQ-II-1800	1800	1940	1800	2180	2251	260	Ø159	198.42
DB-XQ-II-2000	2000	2150	2000	2420	2492	280	Ø194	271.04