



Bulkenhancer

PT. PANCA ANEKA NIAGA

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Primary Belt Cleaner



Impact Bed



Secondary Belt Cleaner



Brush Cleaner



Skirt & Clamp

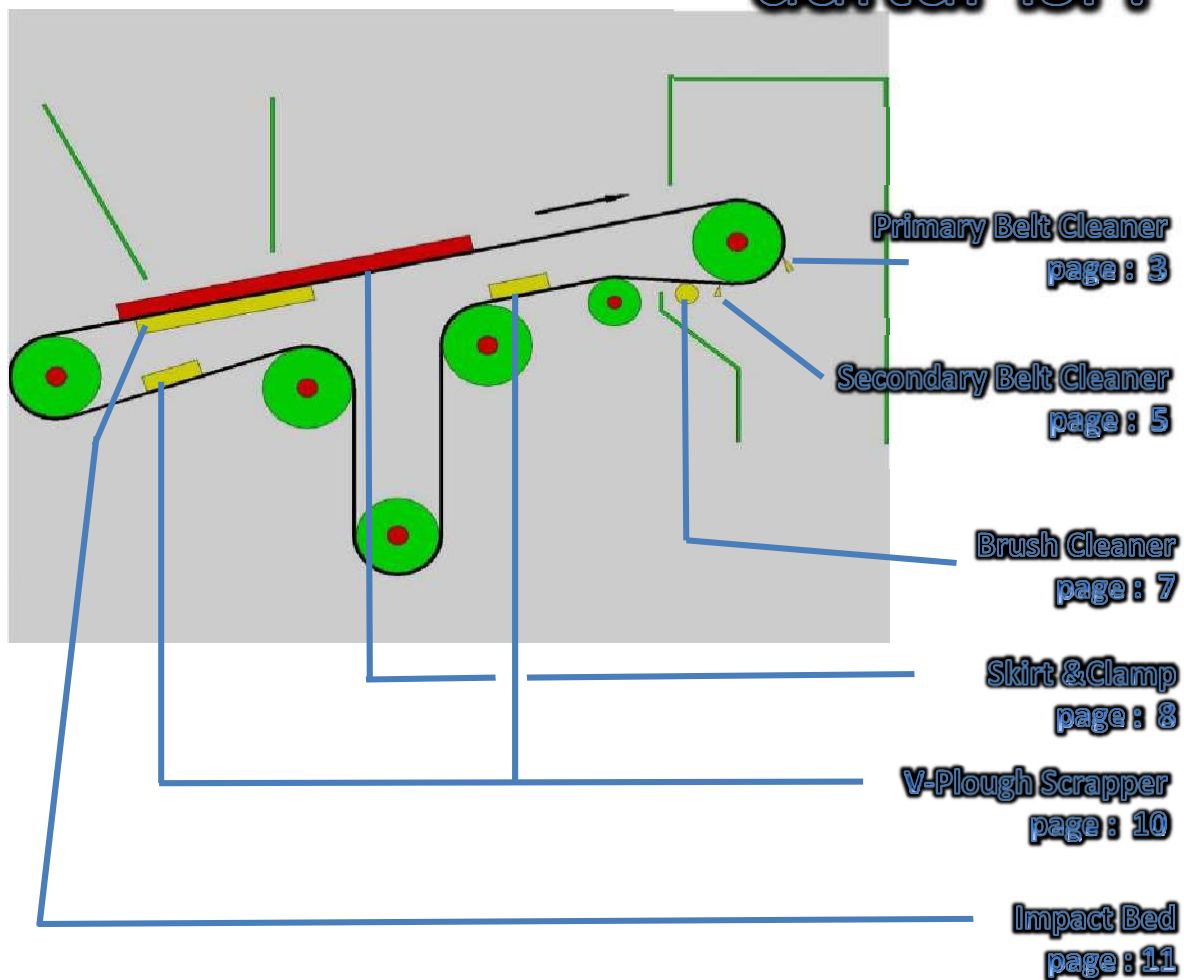


V-Plough Scraper

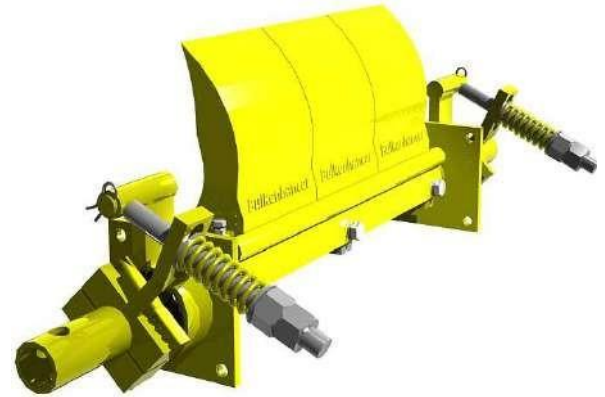
**Conveyor Belt
Spare Part**



daftar isi :



BULKENHANCER Firstliner Cleaner Medium Class is a primary cleaner that cleans the belt by peeling action. It is located on front of head pulley. By using belt friendly urethane tip, this cleaner attack in sharp angle which make cleaning action that remove large portion of the carryback material. This specific type of cleaner can be used for the head pulley's diameter up to 700 mm and belt speed up to 4.5 m/s.



SPECIFICATION

PART NUMBER : 111-TTTT-U1-X-Y-Z

Max Belt Speed : 4.5 m/s

Max Temp. : 95 °C (max)

Pulley Dia. : 300 – 700 mm

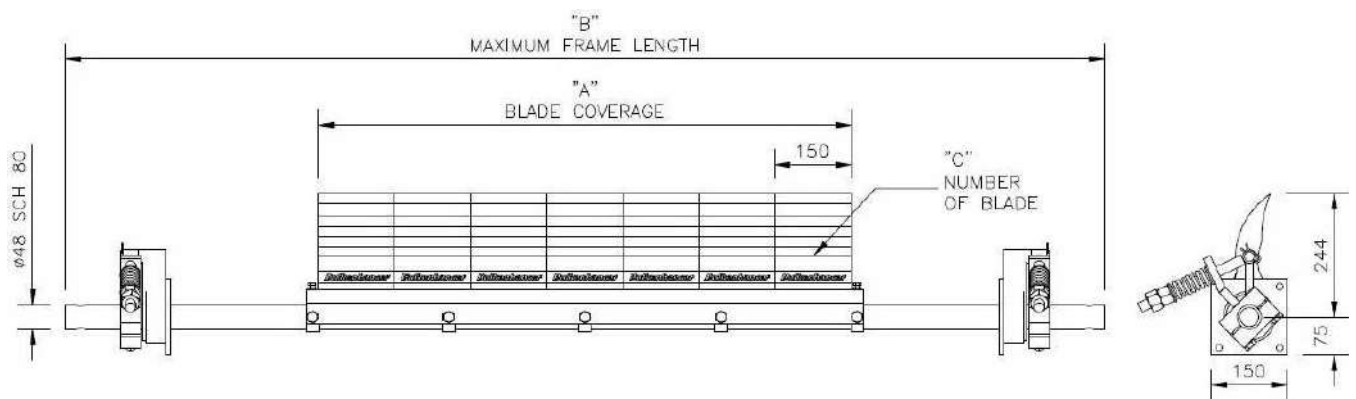
Surface Finish : Powder Coating

TTTT : Belt Width in mm

X : Frame material; M for Mild Steel, S for Stainless Steel

Y : Tension system; S for Spring, C for Counterweight

Z : Blade coverage; S for Shallow, W for Wide



TTTT Code	Belt Width (mm)	Mainframe Length "B" (mm)	Shallow Coverage		Wide Coverage	
			NOB "C"	Total Coverage "A" (mm)	NOB "C"	Total Coverage "A" (mm)
0450	450, 500	1200	2	300	3	450
0600	600, 650	1350	3	450	4	600
0750	750, 800	1500	4	600	5	750
0900	900	1650	5	750	6	900
1050	1000, 1050	1800	6	900	7	1050
1200	1200	2100	7	1050	8	1200
1350	1400	2250	8	1200	9	1350
1500	1500	2400	9	1350	10	1500
1650	1600	2550	10	1500	11	1650
1800	1800	2850	11	1650	12	1800
1950	2000	3000	12	1800	13	1950

BULKENHANCER Firstliner Cleaner Tungsten Tips is a primary cleaner that cleans the belt by peeling action. It is located on front of head pulley. By using Tungsten Carbide Tips (TCT), this cleaner make cleaning action that remove large portion of carryback material, and more friction resistant.

This specific type of cleaner can be used for the head pulley's 350 mm and above, with maximum speed 3 m/s.

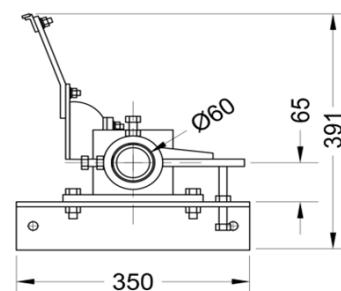
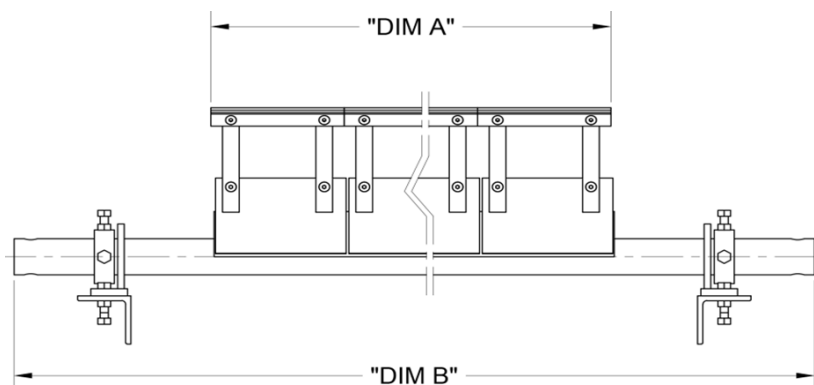


SPECIFICATION

Max Belt Speed : 3 m/s
Max Temp. : 150 ° C
Pulley Dia. : 350 mm and above
Surface Finish : Powder Coating

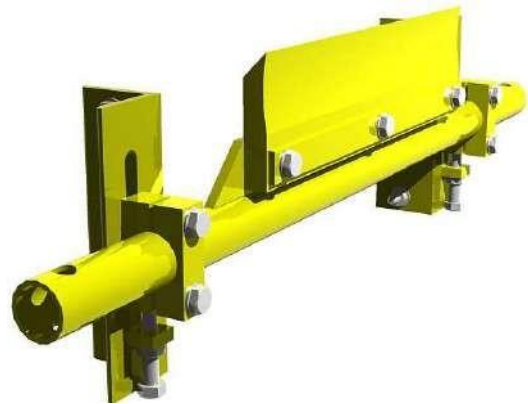
PART NUMBER : 111-TTTT-T1-X

TTTT : Belt Width in mm
X : Frame Material;
M for Mild Steel
S for Stainless Steel



TTTT Code	Belt Width (mm)	Mainframe Length "B" (mm)	Blade Coverage "A" (mm)
0450	450, 500	1200	450
600	600, 650, 750	1350	600
0800	800	1500	800
0900	900	1650	800
1050	1000, 1050	1800	1000
1200	1200, 1350	2100	1200
1400	1400, 1500	2250	1400
1600	1600, 1650	2550	1600
1800	1800	2850	1800
2000	2000	3000	2000

BULKENHANCER Secondliner One-Way Economic Cleaner is a secondary cleaner that cleans the belt by scrapping action. It is located after the primary cleaner right away after the belt leaves head pulley. By using urethane blade, this cleaner scrap remaining fine carryback material. This type of cleaner can be used for the belt speed up to 3.0 m/s, and only serves one directional conveyor.



SPECIFICATION

PART NUMBER : 123-TTTT-X -Z

Max Belt Speed : 3.0 m/s (max)

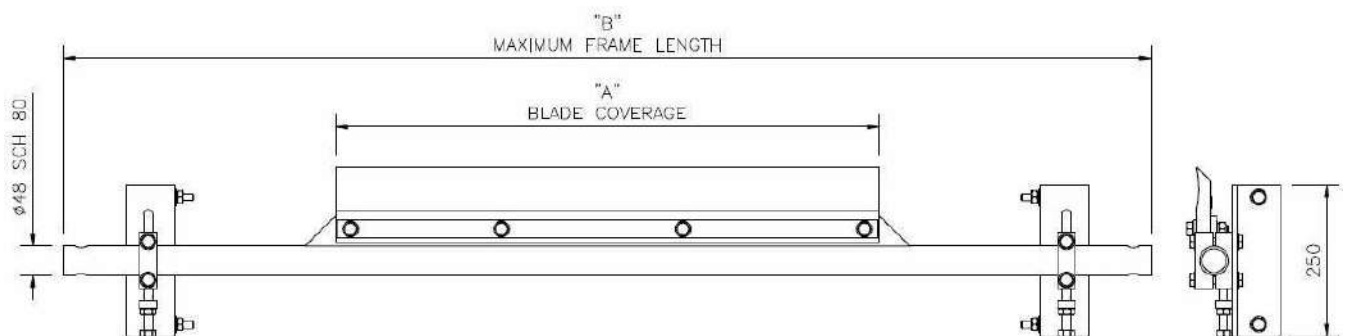
TTTT : Belt Width in mm

Max Temp. : 95 °C (max)

X : Frame material; M for Mild Steel, S for Stainless Steel

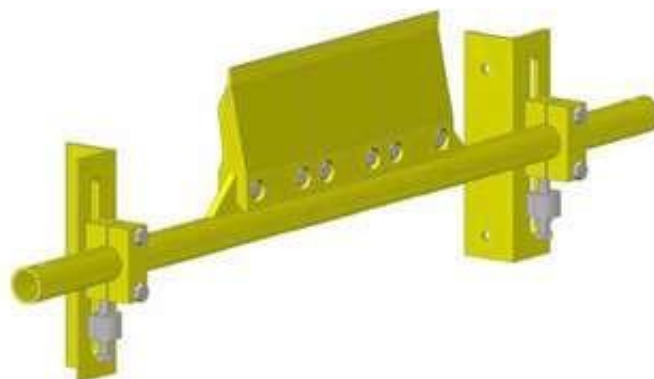
Surface Finish : Powder Coating

Z : Blade coverage; S for Shallow, W for Wide



TTTT Code	Belt Width (mm)	Mainframe Length "B" (mm)	Shallow Coverage	Wide Coverage
			Total Coverage "A" (mm)	Total Coverage "A" (mm)
0450	450, 500	1200	300	450
0600	600, 650	1350	450	600
0750	750, 800	1500	600	750
0900	900	1650	750	900
1050	1000, 1050	1800	900	1050
1200	1200	2100	1050	1200
1350	1400	2250	1200	1350
1500	1500	2400	1350	1500
1650	1600	2550	1500	1650
1800	1800	2850	1650	1800
1950	2000	3000	1800	1950

BULKENHANCER Secondliner One-Way Cleaner enclosed with Bolting Adjuster is a secondary cleaner that cleans the belt by scrapping action. It is located after the primary cleaner right away after the belt leaves head pulley. By using belt tungsten carbide tip, this cleaner scrap remaining fine carryback material. This type of cleaner can be used for the belt speed up to 4.5 m/s, and only serves one directional conveyor.

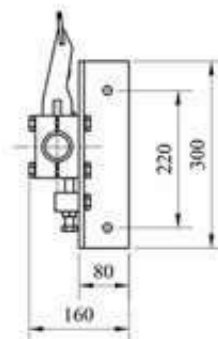
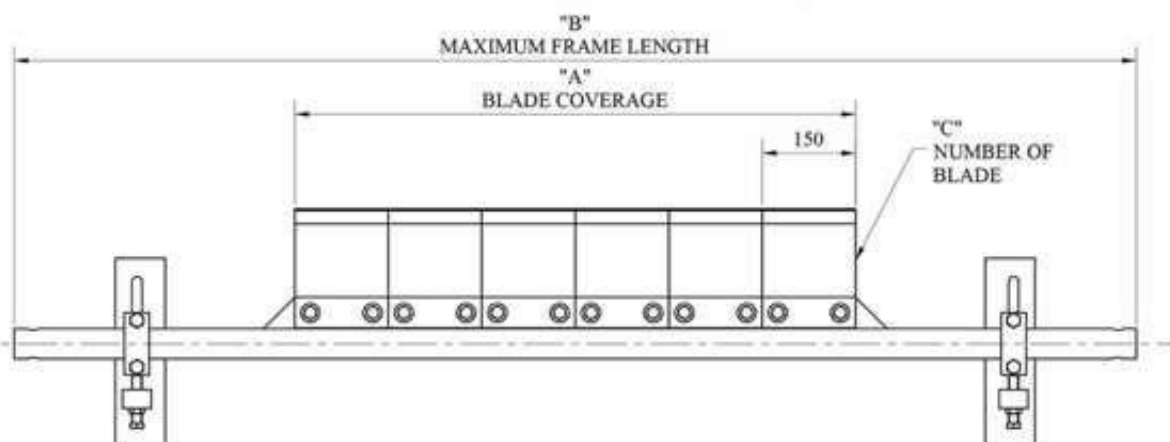


SPECIFICATION

Max Belt Speed : 4.5 m/s (max)
Max Temp. : 95 °C (max)
Surface Finish : Powder Coating

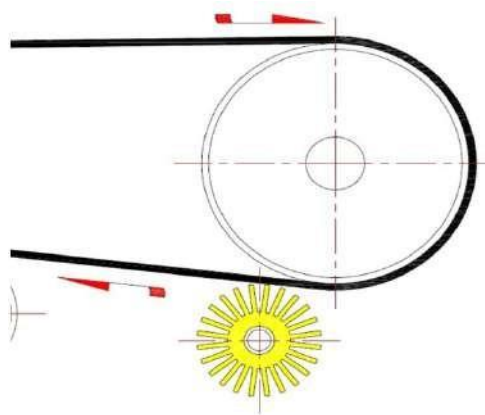
PART NUMBER : 121-TTTT-VV-X-Y-Z

TTTT : Belt Width in mm
VV : Blade material; **T1** for Tungsten, **U1** for Urethane
X : Frame material; **M** for Mild Steel, **S** for Stainless Steel
Y : Tension system; **S** for Spring, **B** for Bolt Adjuster
Z : Blade coverage; **S** for Shallow, **W** for Wide



TTTT Code	Belt Width (mm)	Mainframe Length "B" (mm)	Shallow Coverage		Wide Coverage	
			NOB "C"	Total Coverage "A" (mm)	NOB "C"	Total Coverage "A" (mm)
0450	450, 500	1200	2	300	3	450
0600	600, 650	1350	3	450	4	600
0750	750, 800	1500	4	600	5	750
0900	900	1650	5	750	6	900
1050	1000, 1050	1800	6	900	7	1050
1200	1200	2100	7	1050	8	1200
1350	1400	2250	8	1200	9	1350
1500	1500	2400	9	1350	10	1500
1650	1600	2550	10	1500	11	1650
1800	1800	2850	11	1650	12	1800
1950	2000	3000	12	1800	13	1950
2000	2200	3500	12	1950	14	2100

BULKENHANCER Brushliner Cleaner is a cleaner that cleans the belt by rotary brush system. The rotary direction is opposite to the belt's travel. This specific type of cleaner can be used for all pulley's diameter and for all belt speed.

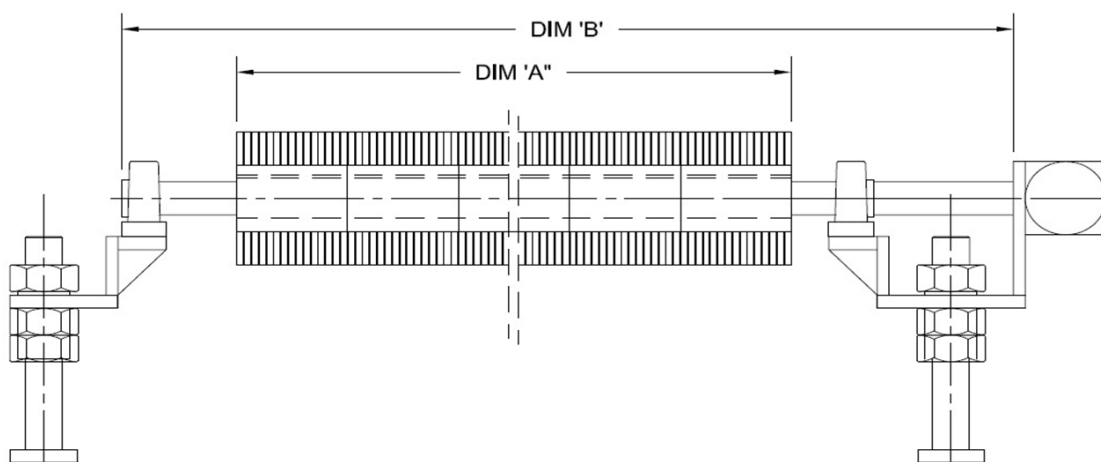


SPECIFICATION

Material Brush : Polyurethane
Max Temp. : 180 ° C
Pulley Dia. : 300 mm and above
Transmition : Helical Gearbox

PART NUMBER : 411-XX- TTTT

XX : Temperature Application.
AT : 55°C - 100°C
HT : 105°C - 180°C
TTTT : Belt Width in mm



TTTT Code	Belt Width (mm)	Mainframe Length "B" (mm)	Blade Coverage "A" (mm)
0450	450, 500	1200	450
600	600, 650, 750	1350	600
0800	800	1500	800
0900	900	1650	800
1050	1000, 1050	1800	1000
1200	1200, 1350	2100	1200
1400	1400, 1500	2250	1400
1600	1600, 1650	2550	1600
1800	1800	2850	1800
2000	2000	3000	2000

Bulkenhancer

TECHNICAL DATA SHEET

Skirt Polyurethane

BULKENHANCER Skirt Polyurethane is flexible strip polyurethane with some hardness material. Can be part for sealing system depend on belt speed, material load, and free belt area. This polyurethane can be used for belt cleaner blade for secondary or v-plough cleaner

Physical Properties

Hardness (Shore A)	65 - 75
Tensile Strength (Mpa)	8.0 - 12
100% Modulus (Mpa)	2.1 - 3.0
300% Modulus (Mpa)	4.4 - 4.9
Angle Tear Strength, Die C (kN/m)	30 - 43
DIN Abrasion Resistance 10N (mm ³)	165 - 209
Cured Specific Gravity (g/cm ³)	1.08 - 1.11



V-Plough

BULKENHANCER V-Plough is an apparatus to remove the spillage that may drop into the inner side of the belt that may be trapped into the tail pulley. This type of plough can be used only to one directional conveyor and serves belt speed up to 4.5 m/s.



SPECIFICATION

PART NUMBER : 101-TTTT-W-X

Max Belt Speed : 4.5 m/s

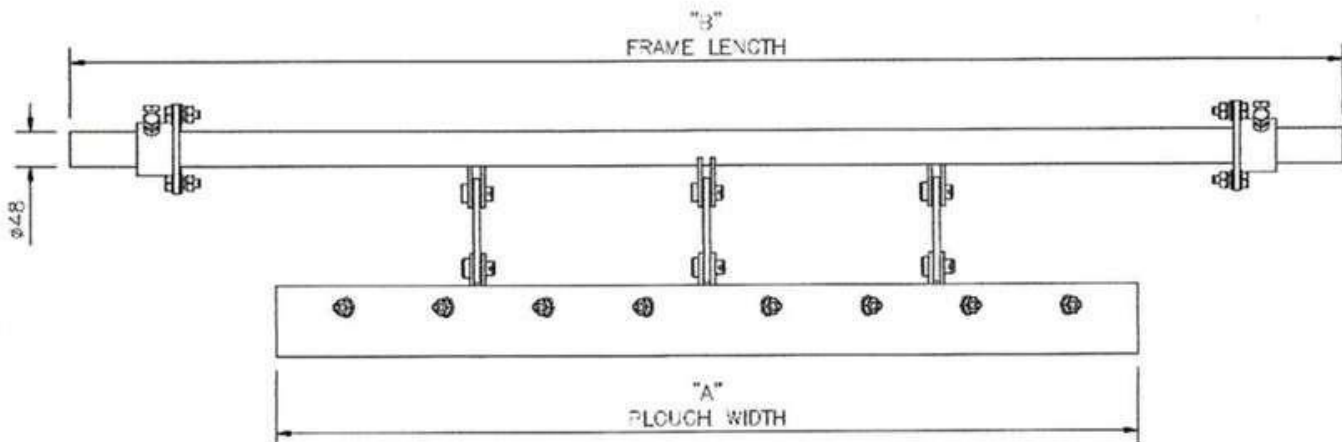
TTTT : Belt Width in mm

Max Temp. : 70 °C

W : Blade Material R1 for NBR Rubber Blade, U1 for Urethane Blade

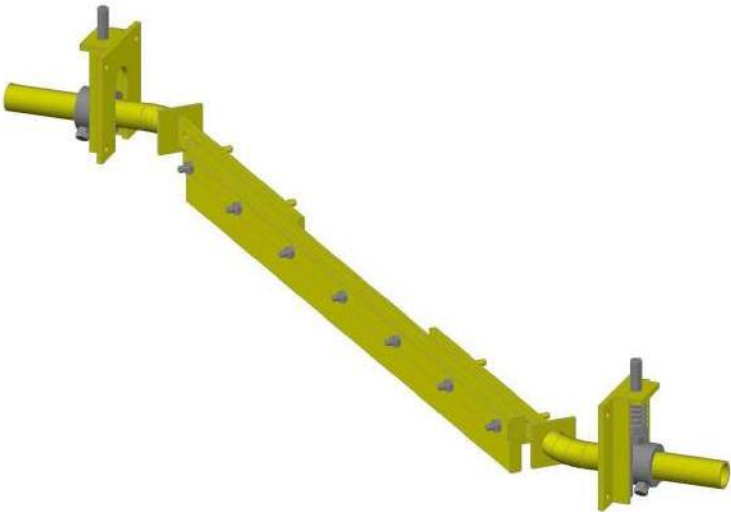
Surface Finish : Powder Coating

X : Frame Material M for Mild Steel, S for Stainless Steel



TTTT Code	Belt Width (mm)	Mainframe Length "B" (mm)	Plough Width "A" (mm)
0450	450, 500	1200	600
0600	600, 650	1350	750
0750	750, 800	1500	900
0900	900	1650	1050
1050	1000, 1050	1800	1200
1200	1200	2100	1350
1350	1400	2250	1500
1500	1500	2400	1650
1650	1600	2550	1800
1800	1800	2850	1950
1950	2000	3000	2100
2000	2200	3500	2350

Bulkenhancer Two Way - Plough is an apparatus to remove the spillage that may drop into the inner side of the belt that may trapped into the tail pulley. This type of plough can be used on two way directional conveyor and served belt speed to 4,5 m/s.



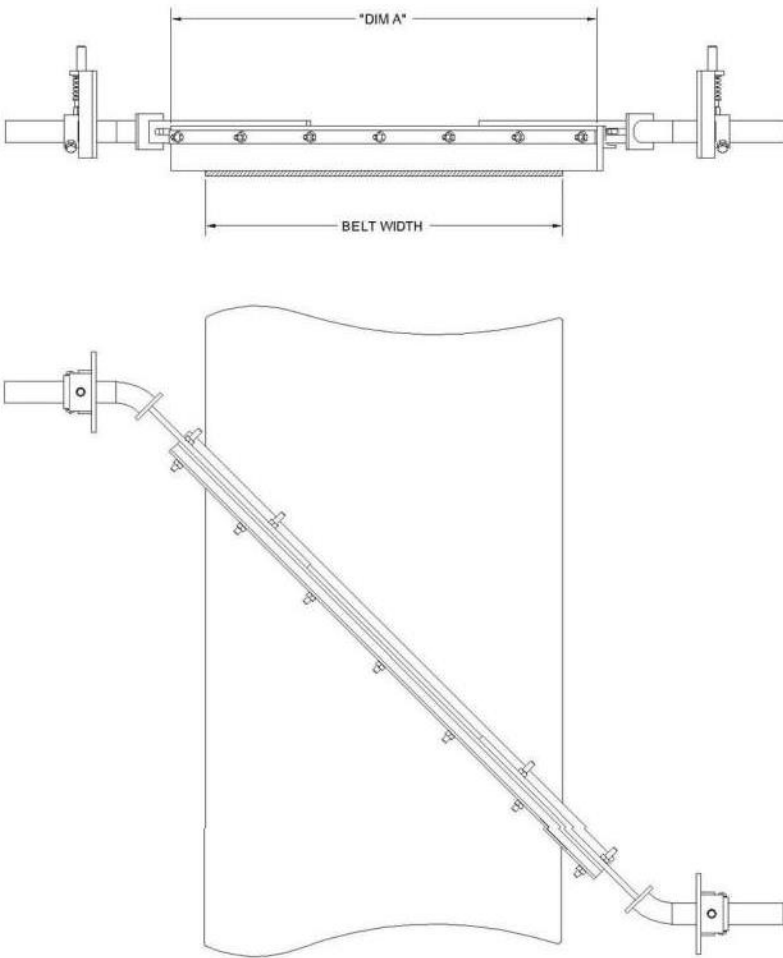
SPECIFICATION

- Max Belt Speed : 4,5 m/s
- Max Temp. : 70°C
- Surface Finish : Powder Coating.

PART NUMBER : 220-TTTT-W-X

- TTTT : Belt Width in mm
- W : Blade Material **R1**: for NBR Rubber **U1**: for Urethane
- X : Frame Material **M**: for mild steel **S**: for Stainless Steel

TTTT Code	Belt Width in mm	Plough Width "A" in mm
0450	450, 500	600
0600	600, 650	750
0750	750, 800	900
0900	900	1050
1050	1000, 1050	1200
1200	1200	1350
1350	1400	1500
1500	1500	1650
1650	1600	1800
1800	1800	1950
1950	2000	2100



BULKENHANCER Impact Bed is designed to provide a softer cushion to the belt that received high impact loading and minimizing belt chipping damage. Additionally, it also provide back up to the wing side of the belt to prevent belt sag that may result to dust emission and material entrapment.



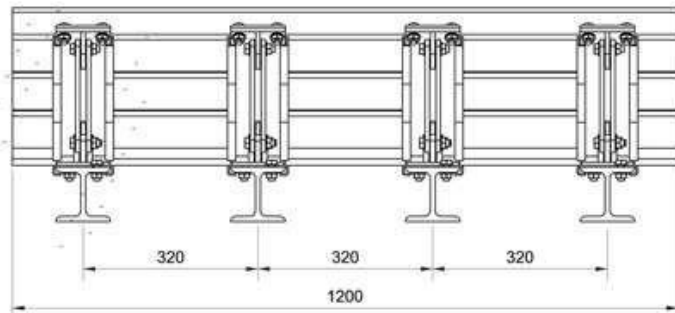
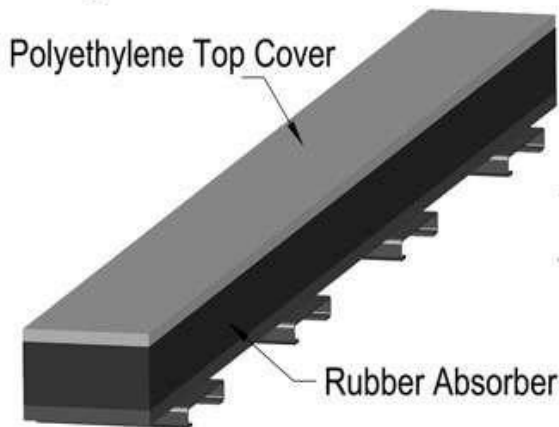
Additionally, it also provide back up to the wing side of the belt to prevent belt sag that may result to dust emission and material entrapment. Generally it will make belt lifetime longer and cleaner environment. It serves belt speed up to 3 m/s.

SPECIFICATION

Max Belt Speed : 3.0 m/s
Max Temp. : 95 °C
Surface Finish : Powder Coating
Bar Length : 1200 mm

PART NUMBER : 221-TTTT-VV-X

TTTT : Belt Width in mm
VV : Troughing angle in degree; 20, 35, 45 or 65.
X : Frame material; **M** for Mild Steel, **S** for Stainless Steel



TTTT Code	Belt Width (mm)	Span "B" (mm)	No. of Bars "A"
0450	450, 500	900	4
0600	600, 650	1050	6
0750	750, 800	1200	6
0900	900	1350	7
1050	1000, 1050	1500	9
1200	1200	1650	10
1350	1400	1800	10
1500	1500	1950	13
1650	1600	2100	13
1800	1800	2250	13
1950	2000	2400	16

