

MARTIN® Tail-Protection Plows

Martin® Torsionarm V-Plow

Mounted with the unique MARTIN® Torsion Arm Suspension, this tail plow rises and falls with fluctuations in belt tension and travel. This makes it self-adjusting for effective cleaning in all stages of blade wear. Can be used on belts with belt speeds up to 4,6 m/sec.



- Standard Torsion Arms are 260 mm. Other lengths from 64 to 289 mm are available to accommodate applications with clearance limitations. See Table 1.
- Easily Replaceable Blade provides 50 mm of wear. Blade is available in 80 Shore A Durometer Nitrile rubber or long-wearing 90 Shore A Durometer urethane.

Alternative length suspension arms To order V-Plow with arms of optional length, add Suffix Number below as final digit in Part Number, e.g. 28488-XXX5+E for 165 mm arm length			
Suffix Number	Arm length mm	Suffix Number	Arm length mm
1	64	5	165
2	152	6	203
3	228	7	289
4	127	-	260

Belt width in. (mm)	V-Plow P/N	Weight kg	Rubber Replacement P/N	Urethane Replacement P/N	Blade weight kg
18 (500)	28488-18X+E	27	28496-18	28812-18	3
24 (650)	28488-24X+E	32	28496-24	28812-24	3.5
30 (800)	28488-30X+E	36	28496-30	28812-30	4
36 (1000)	28488-36X+E	41	28496-36	28812-36	5
42 (1200)	28488-42X+E	45	28496-42	28812-42	5.5
48 (1400)	28488-48X+E	50	28496-48	28812-48	6
54 (1600)	28488-54X+E	54	28496-54	28812-54	7
60 (1800)	28488-60X+E	59	28496-60	28812-60	7.5
72 (2000)	28488-72X+E	68	28496-72	28812-72	8.5
84 (2200)	28488-84X+E	77	28496-84	28812-84	9
96 (2400)	28488-96X+E	86	28496-96	28812-96	10.5

*Replace X with "R" for rubber blade or indicate "U" for urethane blade.

Martin® Diagonal Plow

For tail protection on reversing belts, specify the MARTIN® Diagonal Plow. Hung from brackets on both sides of the conveyor, the Diagonal Plow floats on the belt surface to remove material without needing adjustment. The durable 80 Shore A Durometer Nitrile rubber blade provides 38 mm of wear in service temperatures to 121°C and belt speeds up to 4.6 m/sec.



Belt width in. (mm)	Diagonal Plow P/N*	Weight kg	Rubber Replacement P/N	Urethane Replacement P/N	Blade weight kg
18 (500)	22662-18X	18	24112-18	25403-18	3
24 (650)	22662-24X	20	24112-24	25403-24	3.5
30 (800)	22662-30X	23	24112-30	25403-30	4
36 (1000)	22662-36X	25	24112-36	25403-36	4.5
42 (1200)	22662-42X	27	24112-42	25403-42	5
48 (1400)	22662-48X	30	24112-48	25403-48	6
54 (1600)	22662-54X	32	24112-54	25403-54	7
60 (1800)	22662-60X	34	24112-60	25403-60	8
72 (2000)	22662-72X	36	24112-72	25403-72	8.5
84 (2200)	22662-84X	41	24112-84	25403-84	9.5
96 (2400)	22662-96X	45	24112-96	25403-96	10
120 (3000)	22662-120X	54	24112-120	25403-120	13

*Replace X with "R" for rubber blade or indicate "U" for urethane blade.

Martin® Durt Dozer™ Plow

The MARTIN® DURT DOZER™ Plow installs on single-direction belts on the conveyor's return side, just before the belt enters the tail pulley. It sits across the belt at a 45° angle, using its curved blade to remove material from the inside surface of the belt at belt speeds up to 3.5 m/sec.



Belt width in. (mm)	Durt Dozer™ P/N	Weight kg	Replacement blade P/N	Blade weight kg
18 (500)	33600-18	20	33610-18	4
24 (650)	33600-24	24.5	33610-24	5
30 (800)	33600-30	27	33610-30	6
36 (1000)	33600-36	30	33610-36	7
42 (1200)	33600-42	33	33610-42	8
48 (1400)	33600-48	36	33610-48	9
54 (1600)	33600-54	39	33610-54	10
60 (1800)	33600-60	42	33610-60	12
72 (2000)	33600-72	48	33610-72	14
84 (2200)	33600-84	54	33610-84	16
96 (2400)	33600-96	60	33610-96	19

Martin® Standard V-Plow

The MARTIN® Standard V-Plow is an economical solution for tail protection in light- to moderate-duty applications. The sturdy 80 Shore A Durometer Nitrile rubber blade provides a 50 mm wear life at service temperatures to 121°C and belt speeds up to 4.6 m/sec.



Alternative arm length	
To order V-Plow with arms of optional length, add Suffix Number below as final digit in Part Number, e.g. 31106-XXX5+E for 318 mm arm length	
P/N	Arm length mm
-	54
1	136
2	213
3	318
4	187

Belt width in. (mm)	Standard V-Plow Part no.*	Weight kg	Replacement blade P/N*	Blade weight kg
18 (500)	31106-18X+E	23	31134-18X	3
24 (650)	31106-24X+E	27	31134-24X	4
30 (800)	31106-30X+E	32	31134-30X	5
36 (1000)	31106-36X+E	36	31134-42X	6
42 (1200)	31106-42X+E	41	31134-48X	7
48 (1400)	31106-48X+E	45	31134-54X	8
54 (1600)	31106-54X+E	50	31134-60X	9
60 (1800)	31106-60X+E	54	31134-72X	9.5
72 (2000)	31106-72X+E	63	31134-78X	10
84 (2200)	31106-84X+E	73	31134-84X	11
96 (2400)	31106-96X+E	82	31134-96X	12

*Replace X with "R" for rubber blade or indicate "U" for urethane blade.



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 Quality management certified according to DNV - ISO 9001

