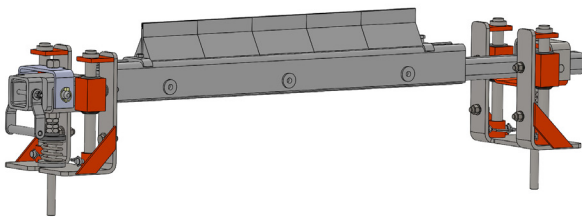


Reversing blade with air tensioner



Reversing blade with spring tensioner



Combining the best features of two successful Martin Engineering secondary cleaners, the DT2S Secondary Cleaner features a split-track blade cartridge that slides in and out on a stainless steel mandrel. This unique design makes for a fast and easy service procedure to reduce conveyor downtime.

Technical Data

Max. belt speed	4.3 m/s
Belt width	500 - 3200 mm
Mainframe type	painted (RAL 2004) or stainless steel (1.4571)
Operating temperature*	-20 °C - +70 °C
Bulk material temperature** max. all urethanes except green Green	+70 °C +150 °C (intermittently up to +177 °C)

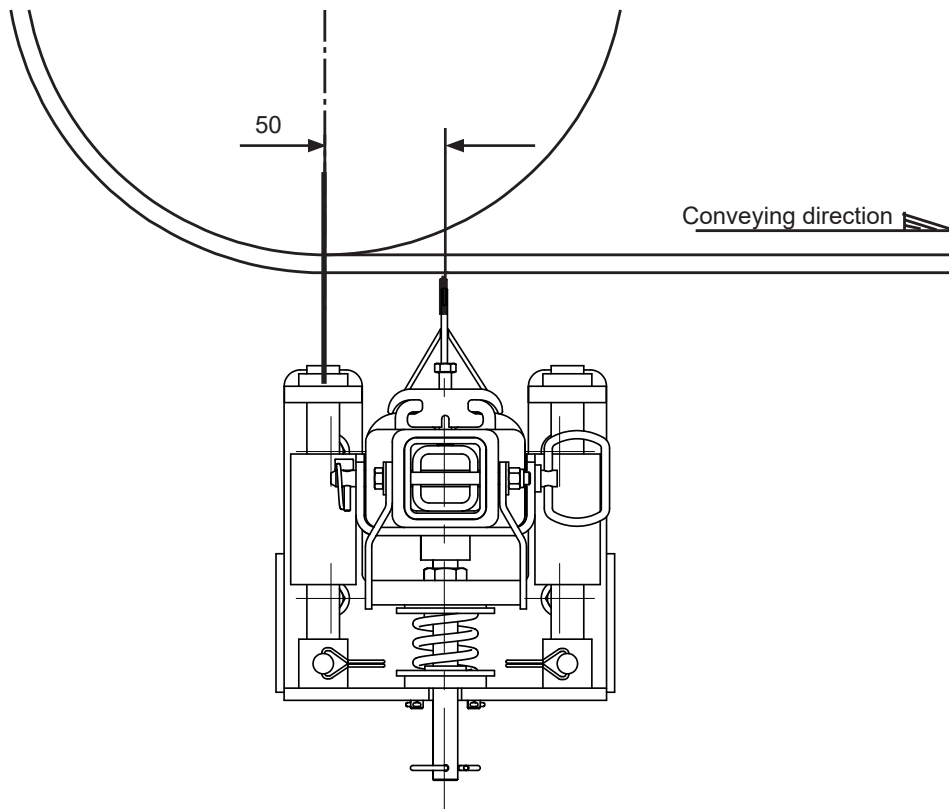
* For operating temperatures below -20 °C, Martin Engineering can supply appropriate heating for the components. Please contact Martin Engineering for further information.

** See data sheet L3375 for further specifications.

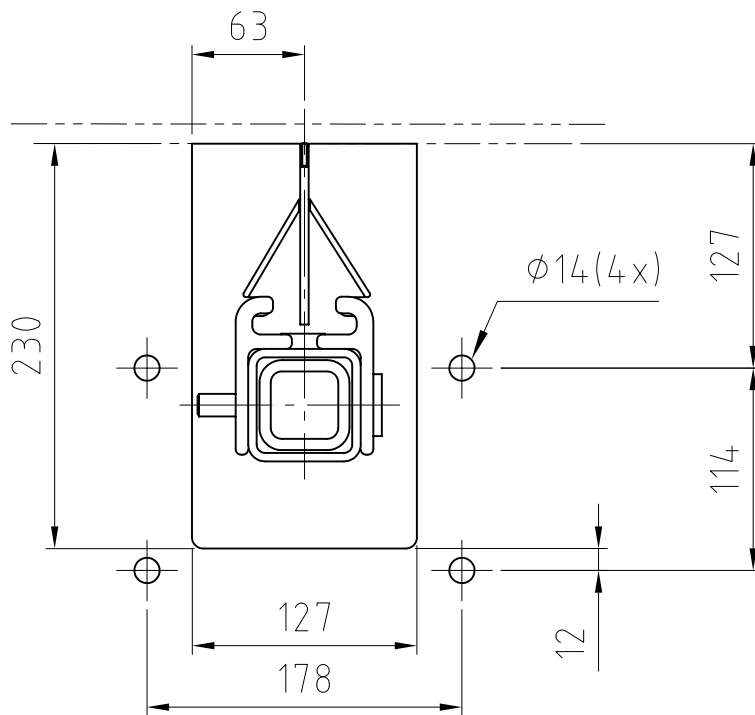
Features

- Removes material residues, reduces cleaning costs**
 Effective belt cleaning reduces cleaning effort and prolongs the life of the conveyor system.
- Blade change in only 5 minutes**
 Blades slide into split-frame cartridge; cartridge slides into cleaning position on stainless steel mandrel.
- Reduced maintenance effort**
 Slide-in/slide-out blade cartridge allows quick and easy blade change that minimises conveyor downtime. Even when the cleaner is encrusted with material, one-half of the split frame can be removed to allow blade change.
- Low space requirement**
 Lean profile minimises space requirements, allows installation in spaces as narrow as seven inches (178 mm). When space is restricted, the spring tensioner can also be converted to be tensioned from above (Top Mount) or from below (Bottom Mount).
- Usable on reversing conveyors**
 Can be installed on conveyors that can reverse or run in two directions.

Martin® DT2S Secondary Cleaner - installation position



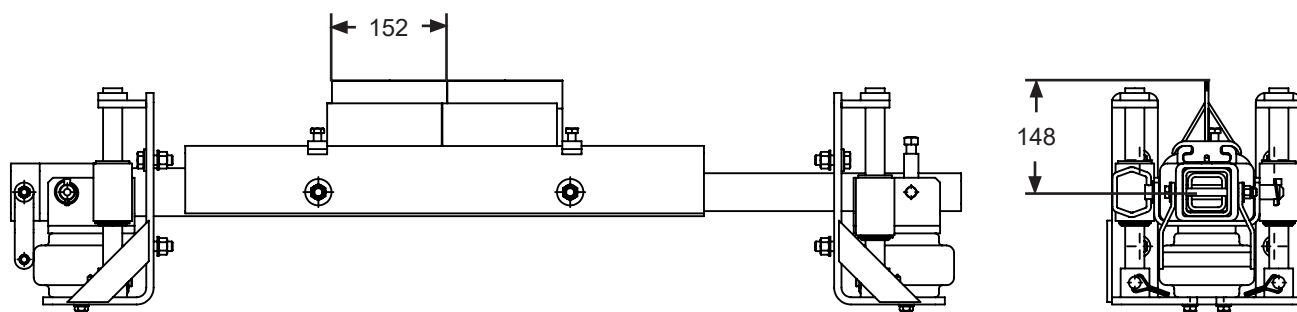
Installation position of the tensioner



Spring tensioner
Bottom Mount

Martin® DT2S Secondary Cleaner - dimensions

Reversing cleaner



Part no.: DT2S-XXXXXXXXX+E

Conveyor belt width		CW narrow		CW wide		OL	OL with extended mainframe	Blade weight	Blade weight with extended mainframe
[in]	[mm]	[in]	[mm]	[in]	[mm]	[mm]	[mm]	[kg]	[kg]
18	(500)	12	305	18	457	1293	1867	27 / 28	34 / 35
24	650	18	457	24	610	1410	2019	30 / 31	39 / 40
30	800	24	610	30	762	1562	2172	34 / 36	40 / 41
36	1000	30	762	36	914	1715	2324	39 / 40	42 / 43
42	1200	36	914	42	1067	1867	2477	44 / 45	47 / 48
48	1400	42	1067	48	1219	2019	2629	49 / 50	52 / 53
54	1600	48	1219	54	1372	2172	2781	53 / 55	55 / 56
60	1800	54	1372	60	1524	2324	2934	58 / 59	60 / 62
66	1900	60	1524	66	1676	2477	3086	62 / 64	64 / 66
72	2000	66	1676	72	1829	2629	3239	67 / 69	68 / 70
84	2200	78	1981	-	-	2934	3543	76	85 / 86
96	2400	90	2286	-	-	3239	3848	85	94 / 95
120	3200	114	2896	-	-	3848	N/A	103	N/A

Note on narrow and wide cleaning widths

The area of the conveyor belt to be cleaned has to be taken into account when selecting the correct cleaning width. Martin Engineering recommends that the outer cleaner edges should not protrude beyond the area to be cleaned by more than approx. 100 mm because not the entire width of the conveyor belt has to be cleaned and the blades would wear less in the protruding area. This recommendation can only be used as a rough selection criterion. Please contact Martin Engineering in case of questions or problems.

Martin® DT2S Secondary Cleaner - part number explanation

Martin® DT2S Secondary Cleaner - part number

DT2S-aabccdddef+E*	
a	Belt width in inches
b	Blade design T: Reversing blade with tungsten carbide S: Reversing blade made from stainless steel U: Reversing blade made from urethane
c	Cleaning width in inches
d	Urethane Options** BR: Brown (resistant to chemicals) GR: Green (resistant to temperature) OR: Orange
e	Mainframe options* P: Mild steel (1.0037) - painted (RAL 2004) S: Stainless steel (1.4571)
f	Tensioner options S: Spring tensioner A: Air tensioner

* The item number for extended mainframe is DT2SE-XXXXXXXXX+E

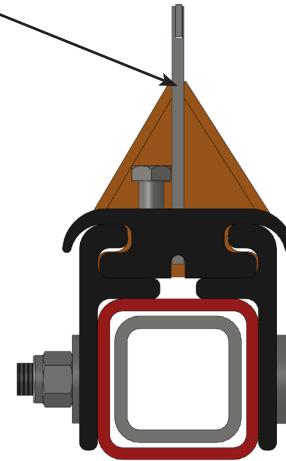
** See data sheet L3375 for additional specifications.

Martin® DT2S Secondary Cleaner - spare parts and accessories

Replacement blades

Blade type	Option	Part No.	Weight
			[kg]
Tungsten carbide reversing blade	T	31104-TXX	1.3
Stainless steel reversing blade	S	31104-SXX	1.3
Urethane reversing blade	U	31104-UXX	0.6

Steel blade with tungsten carbide tip



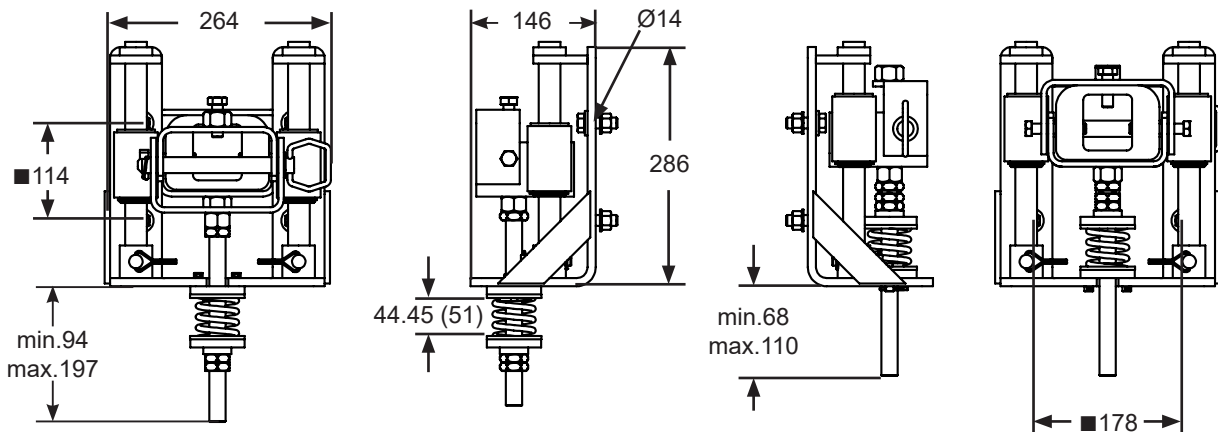
Reversing blade

Tensioners	Part No.	Weight
		[kg]
Martin® inline spring tensioner	37707	28
Martin® inline air tensioner	37707-A	28

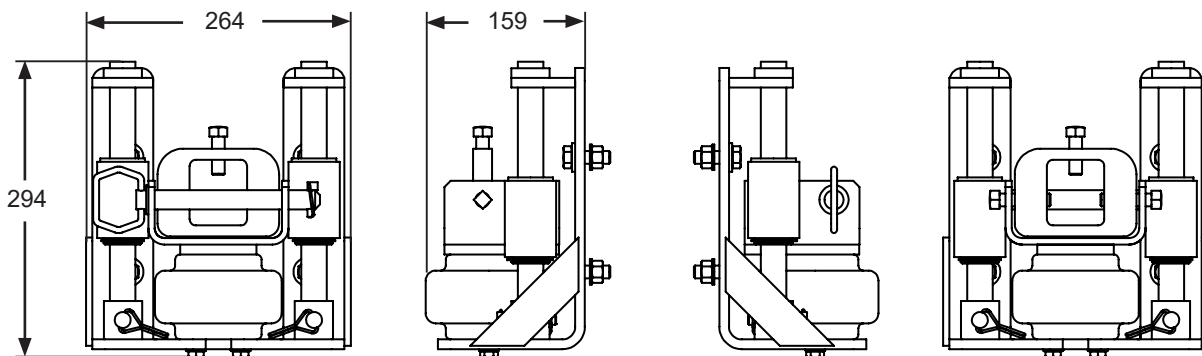
Martin® inline spring tensioner (Part No. 37707)

Top Mount

Bottom Mount



Martin® inline air tensioner (Part No. 37707-A)



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Publication no. L3685UK-12/17
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