

DT2S Secondary Cleaner



Operating Instructions Part 2

Version: 0
Language: ENG
M3687EUK-01/21

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1 General



NOTE

Before starting work on the cleaner or the conveyor, part 1 and 2 of these operating instructions must be read and understood completely

1.1 About these operating instructions

These operating instructions apply solely for cleaners and are intended for those persons who install cleaners, commission them, and monitor their usage.

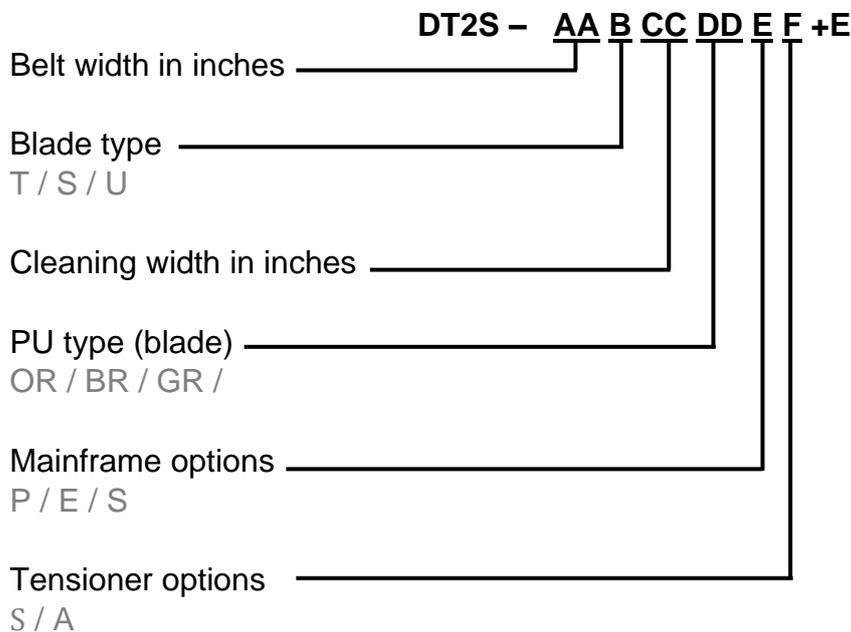
The operating instructions must be kept for the lifetime of the cleaners and must be made available in an orderly condition to all persons entrusted with work with and on the cleaners.

1.2 Accompanying Documents

Part 1 of the operating instructions, which is provided separately, is an integral part of these operating instructions.

1.3 Part number

Cleaner



Tensioner

- Inline-Reversing (Spring) Tensioner: 37707-...+E
- Air Tensioner: 37707-A...+E

1.4 Technical Data

The cleaner is suitable for the following operating parameters:

	Operating parameter
Belt widths:	500 – 3.000 mm
Belt speed:	Max. 4,3 m/s
Temperature range:	-40 - +150 °C depending on PU type
Reversing operation:	Possible

2 Installation



NOTE

For a general description of cleaner installation, refer to Part 1 of the operator's manual.



NOTE

The Spring Tensioner can be used in the bottom mount (standard) position or the top mount position.

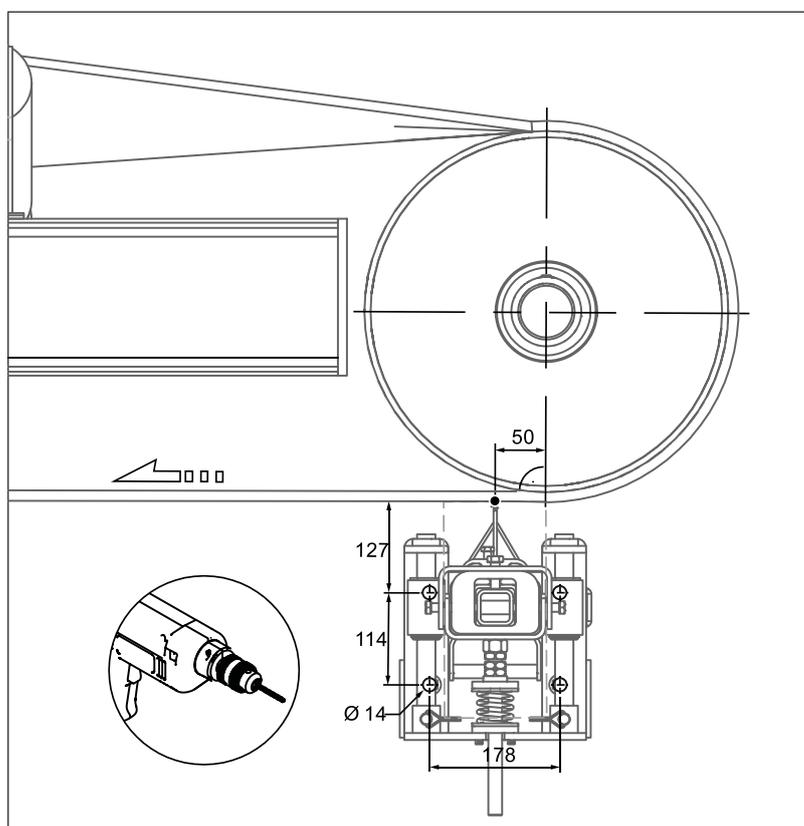
Bottom mount position: the spring acts as a compression spring

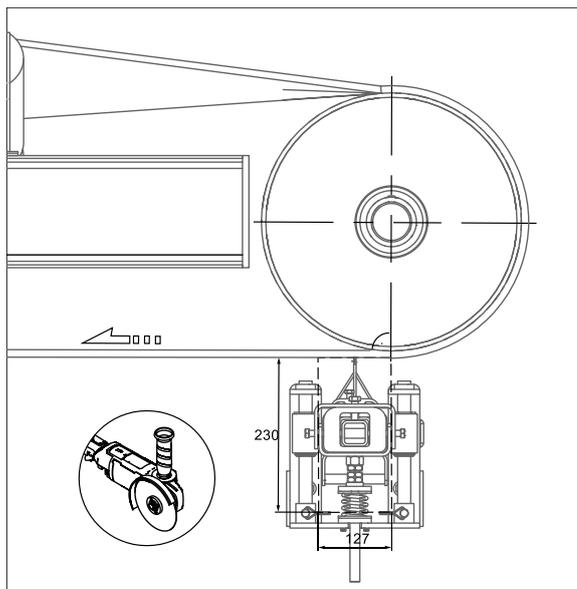
Top mount position: the spring acts as a tension spring

The Spring Tensioner must be modified if the top mount variant is to be used. To do this, the Spring Tensioner must be partially disassembled and the spring converted.

For more details please refer to the drawing at the end of these instructions.

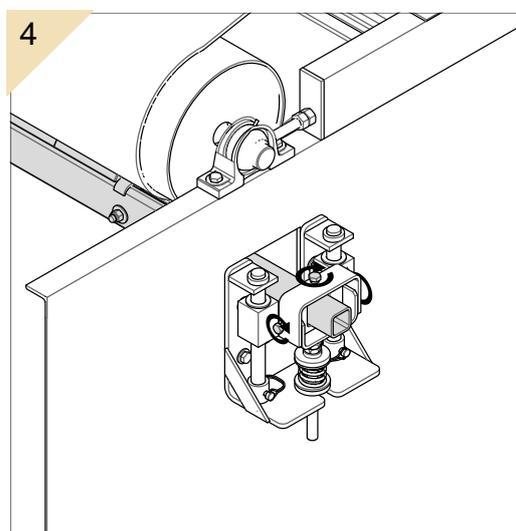
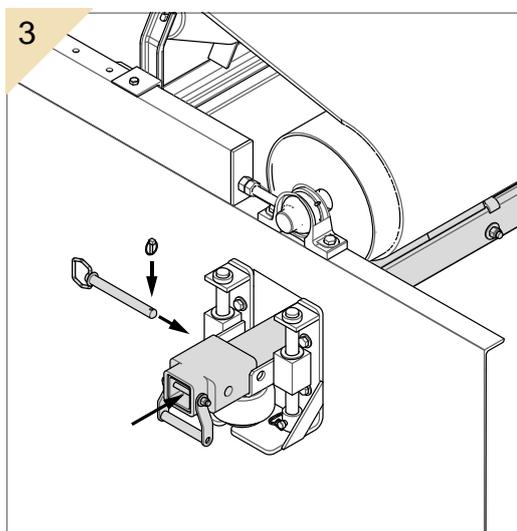
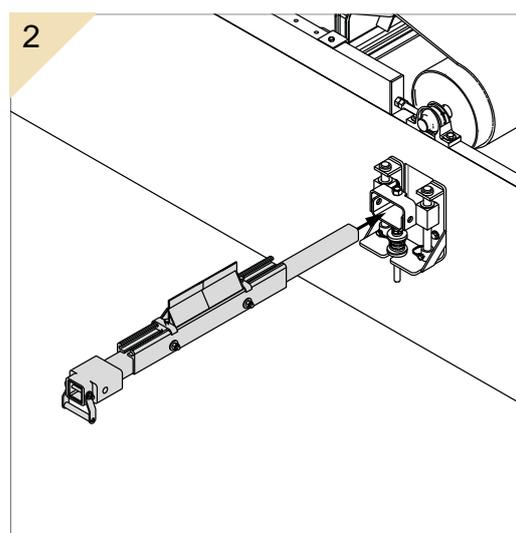
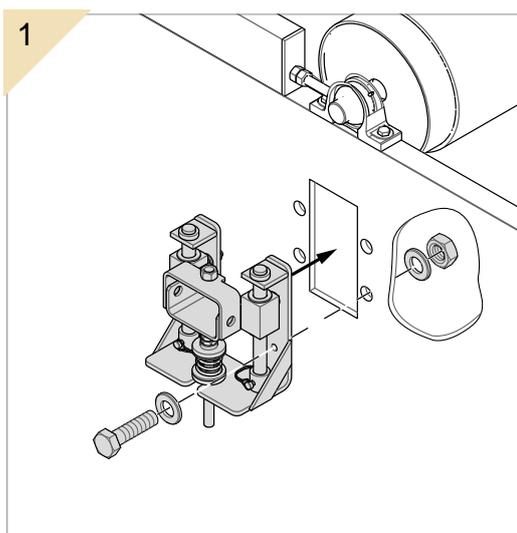
2.1 Determining the installation position



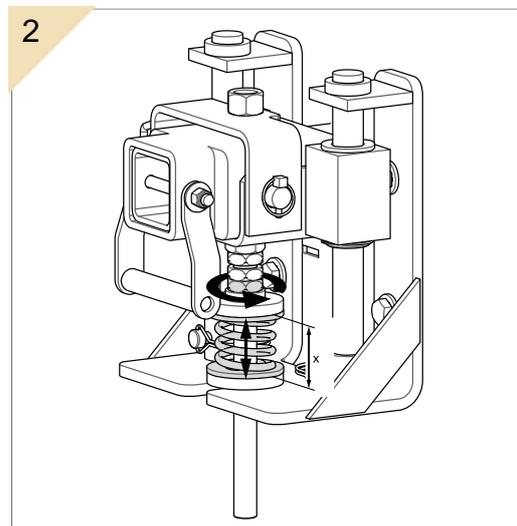
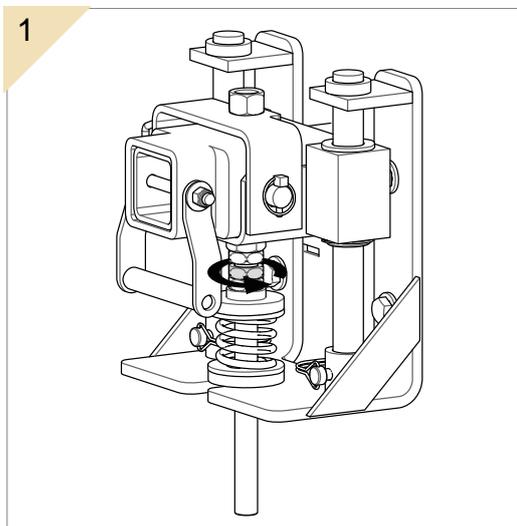


Cut out in the chute wall for mounting and servicing the belt cleaner
(Minimum dimensions)

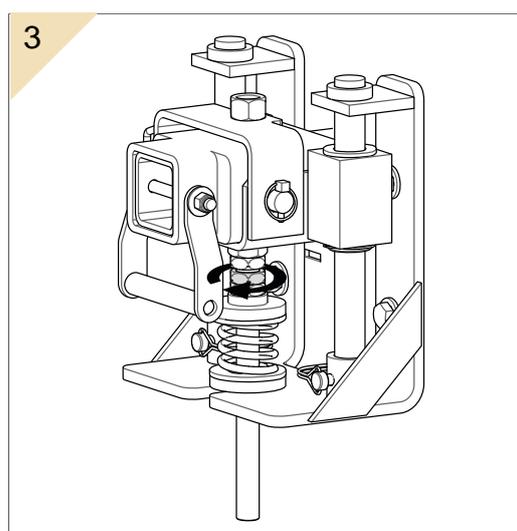
2.2 Mounting the tensioner



2.3 Adjust spring tensioner 37707-...+E



Belt width		Top Mount	Bottom Mount
in	mm		
18	500	57	38
24	650	57	38
30	800	54	35
36	1000	54	35
42	1200	54	35
48	1400	51	32
54	1600	51	32
60	1800	51	32
72	2000	48	48
84	2200	48	48
96	2400	44	44
102	2600	44	44
110	2800	44	44



In mm Spring length (distance between washers)

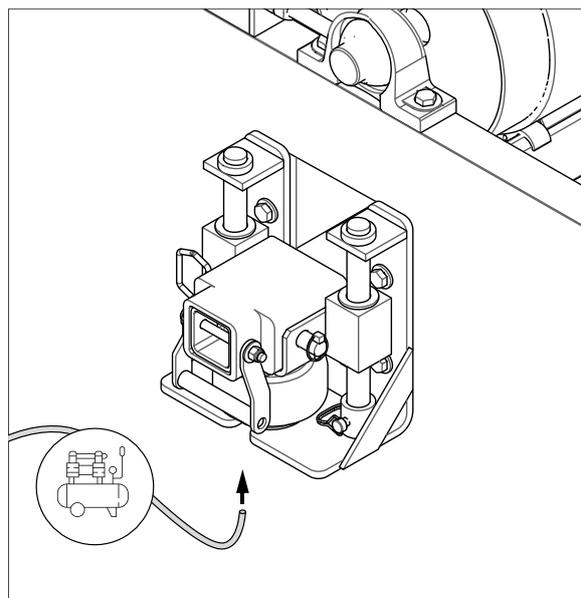
2.4 Adjust air tensioner 37707-A...+E



NOTE

The compressed air system is provided by the customer and is not part of the scope of delivery.

Belt width		Compressed air pressure in bar
in	mm	
18	500	0,34
24	650	0,41
30	800	0,55
36	1000	0,69
42	1200	0,76
48	1400	0,90
54	1600	0,97
60	1800	1,03
72	2000	1,24
84	2200	1,45
96	2400	1,59
102	2600	1,65
110	2800	1,72



2.5 Placing labels

2.5.1 Safety label

The safety label below must be attached to the conveyor system in the immediate vicinity of the cleaner:

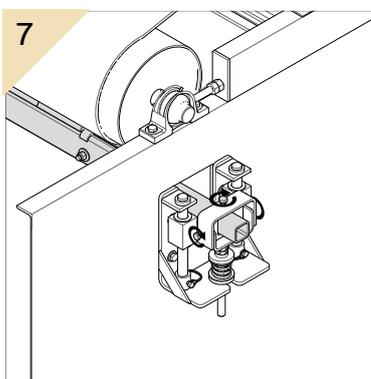
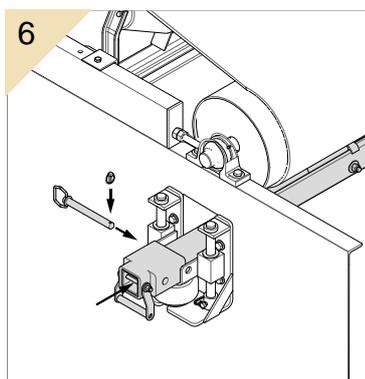
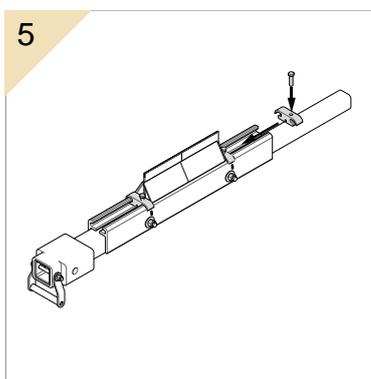
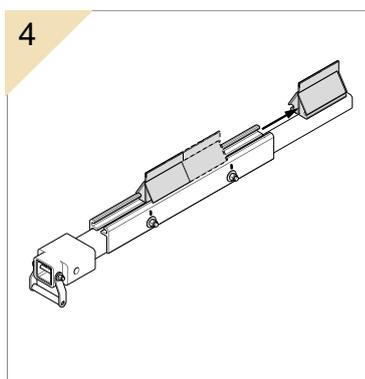
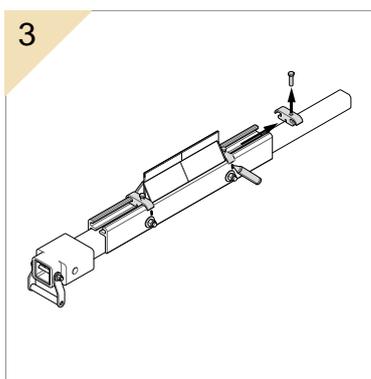
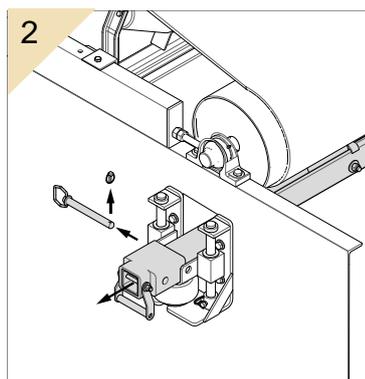
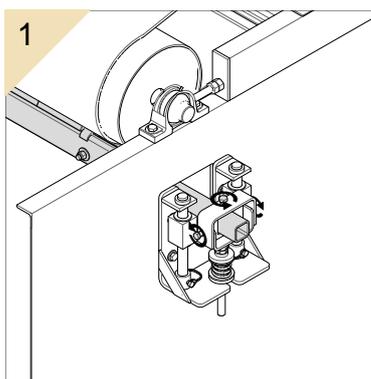


2.5.2 Other labels

The labels below are attached to the product:

1. Sticker showing the address of the Martin Engineering branch and the designation of the product
2. A sticker containing the tension values for the respective tensioner

2.6 Removing Blades



3.2 Tensioner

NO	REF	DESCRIPTION	UNIT	QTY
1	1000	SPRING	mm	1
2	1001	SCREW	mm	1
3	1002	WASHER	mm	1
4	1003	SCREW	mm	1
5	1004	WASHER	mm	1
6	1005	SCREW	mm	1
7	1006	WASHER	mm	1
8	1007	SCREW	mm	1
9	1008	WASHER	mm	1
10	1009	SCREW	mm	1
11	1010	WASHER	mm	1
12	1011	SCREW	mm	1
13	1012	WASHER	mm	1
14	1013	SCREW	mm	1
15	1014	WASHER	mm	1
16	1015	SCREW	mm	1
17	1016	WASHER	mm	1
18	1017	SCREW	mm	1
19	1018	WASHER	mm	1
20	1019	SCREW	mm	1
21	1020	WASHER	mm	1
22	1021	SCREW	mm	1
23	1022	WASHER	mm	1
24	1023	SCREW	mm	1
25	1024	WASHER	mm	1
26	1025	SCREW	mm	1
27	1026	WASHER	mm	1
28	1027	SCREW	mm	1
29	1028	WASHER	mm	1
30	1029	SCREW	mm	1
31	1030	WASHER	mm	1
32	1031	SCREW	mm	1
33	1032	WASHER	mm	1
34	1033	SCREW	mm	1
35	1034	WASHER	mm	1
36	1035	SCREW	mm	1
37	1036	WASHER	mm	1
38	1037	SCREW	mm	1
39	1038	WASHER	mm	1
40	1039	SCREW	mm	1
41	1040	WASHER	mm	1
42	1041	SCREW	mm	1
43	1042	WASHER	mm	1
44	1043	SCREW	mm	1
45	1044	WASHER	mm	1
46	1045	SCREW	mm	1
47	1046	WASHER	mm	1
48	1047	SCREW	mm	1
49	1048	WASHER	mm	1
50	1049	SCREW	mm	1
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64	1063	SCREW	mm	1
65	1064	WASHER	mm	1
66	1065	SCREW	mm	1
67	1066	WASHER	mm	1
68	1067	SCREW	mm	1
69	1068	WASHER	mm	1
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71	1070	WASHER	mm	1
72	1071	SCREW	mm	1
73	1072	WASHER	mm	1
74	1073	SCREW	mm	1
75	1074	WASHER	mm	1
76	1075	SCREW	mm	1
77	1076	WASHER	mm	1
78	1077	SCREW	mm	1
79	1078	WASHER	mm	1
80	1079	SCREW	mm	1
81	1080	WASHER	mm	1
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230	1229	SCREW	mm	1
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233	1232	WASHER	mm	1
234	1233	SCREW	mm	1
235	1234	WASHER	mm	1
236	1235	SCREW	mm	1
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295	1294	WASHER	mm	1
296	1295	SCREW	mm	1</



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