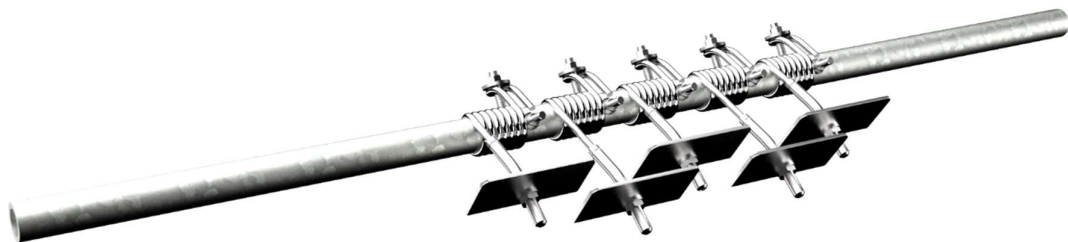




PM Cleaner



Operating Instructions Part 2

Version: 0
Language: ENG
M3389EUK-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.

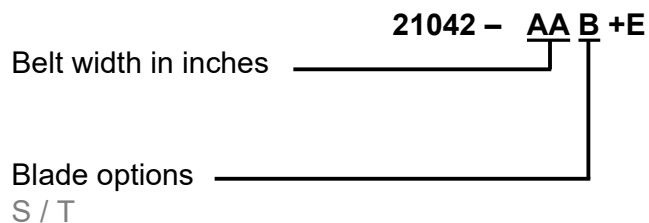
The operating instructions must be kept for the lifetime of the cleaners and must be made available in an orderly condition to all persons entrusted with work with and on the cleaners.

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

- Twist tensioner (square) 31443-...+E
- Twist tensioner (round) 38850-...
- Air tensioner: 32745-...+E

1.4 Technical Data

The cleaner is suitable for the following operating parameters:

	Operating parameter
Belt widths:	400 – 2.400 mm
Belt speed:	Max. 3,8 m/s
Temperature range:	-40 - +315 °C
Reversing operation:	No

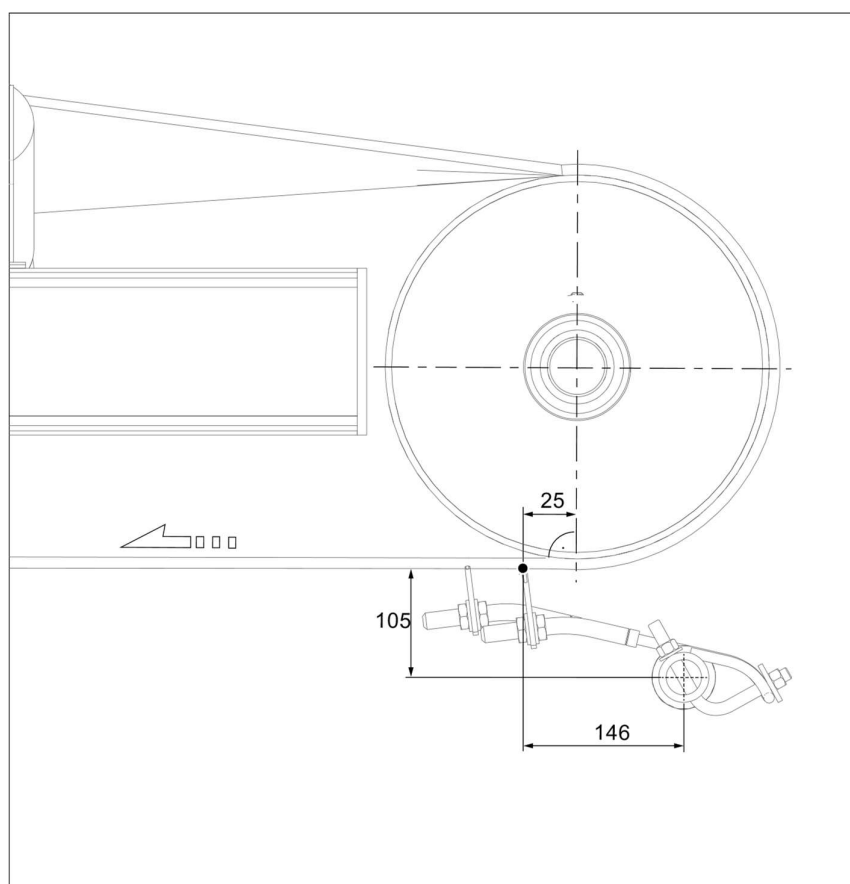
2 Installation



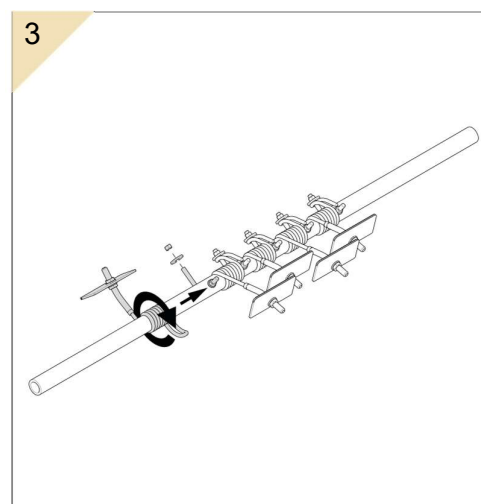
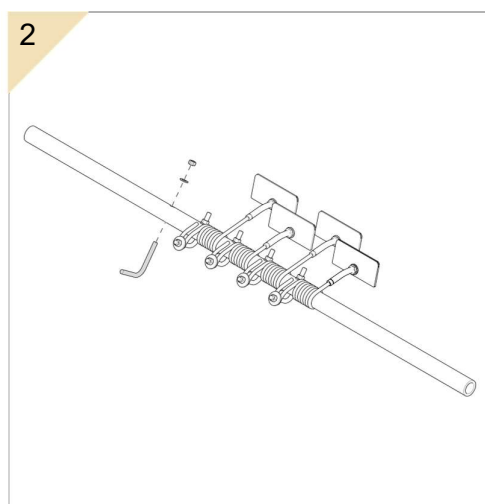
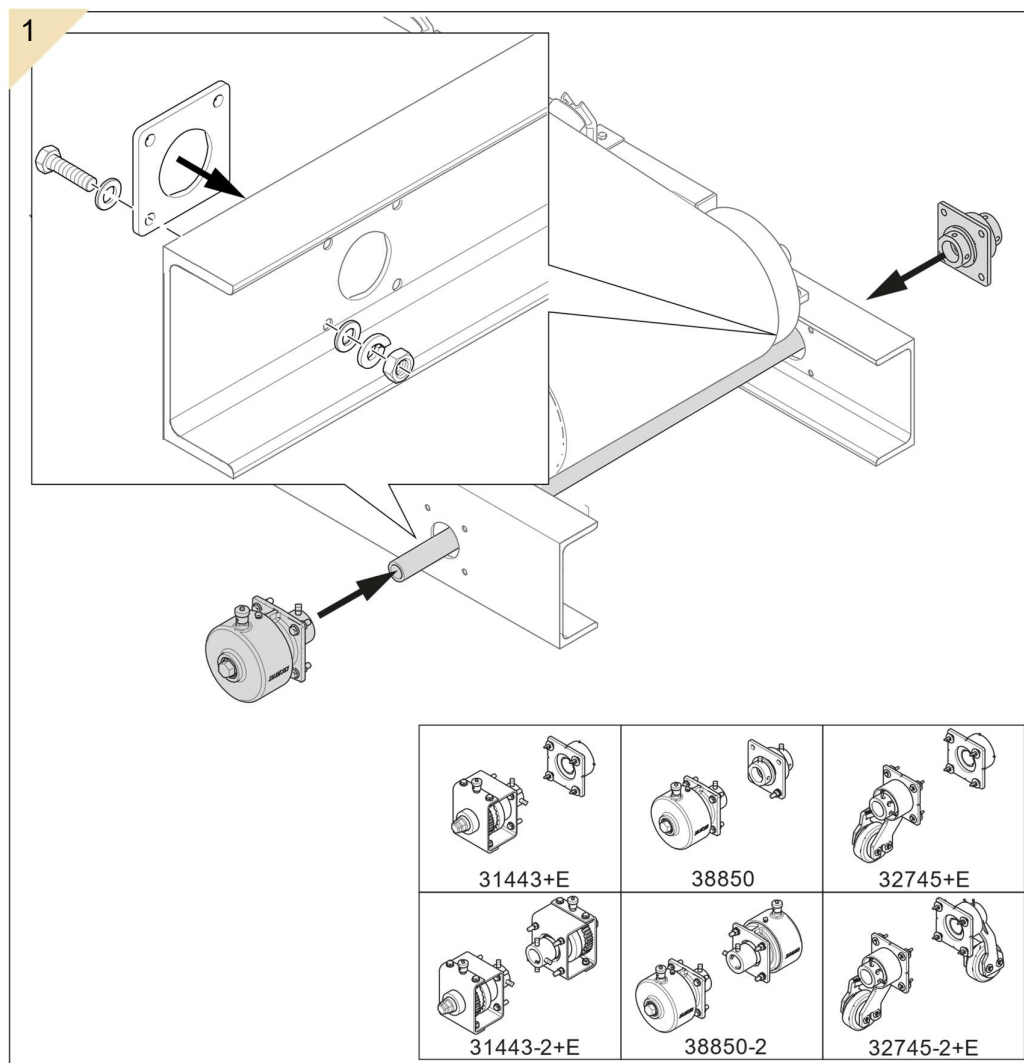
NOTE

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

2.1 Determining the installation position



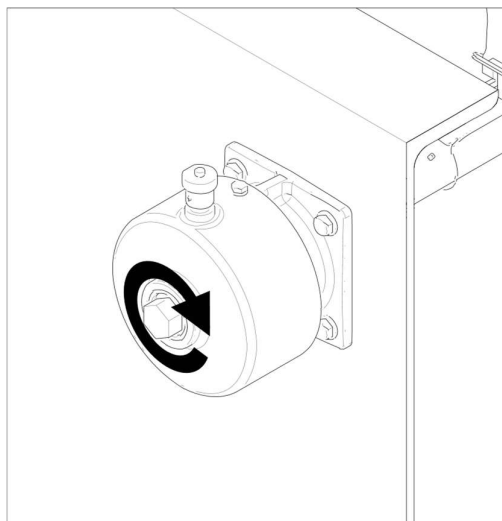
2.2 Mounting the tensioner



2.3 Tension values of twist tensioners 31443-... and 38850-...

Belt width		Number of notches (clicks)
in	mm	
18	500	2
24	650	3
30	800	4
36	1000	4
42	1200	5
48	1400	6
54	1600	3*
60	1800	4*
72	2000	4*
84	2200	5*
96	2400	6*

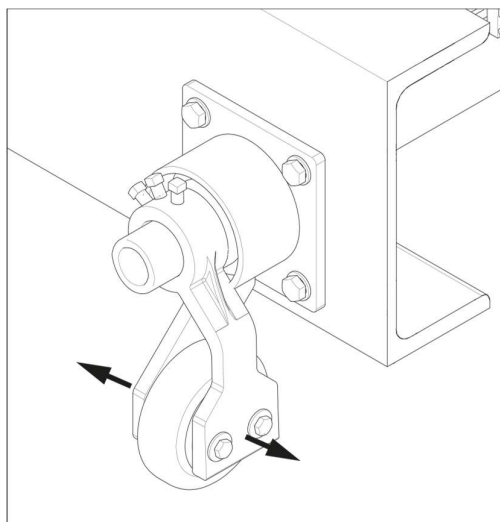
*Per tensioner;
Dual tensioners are needed



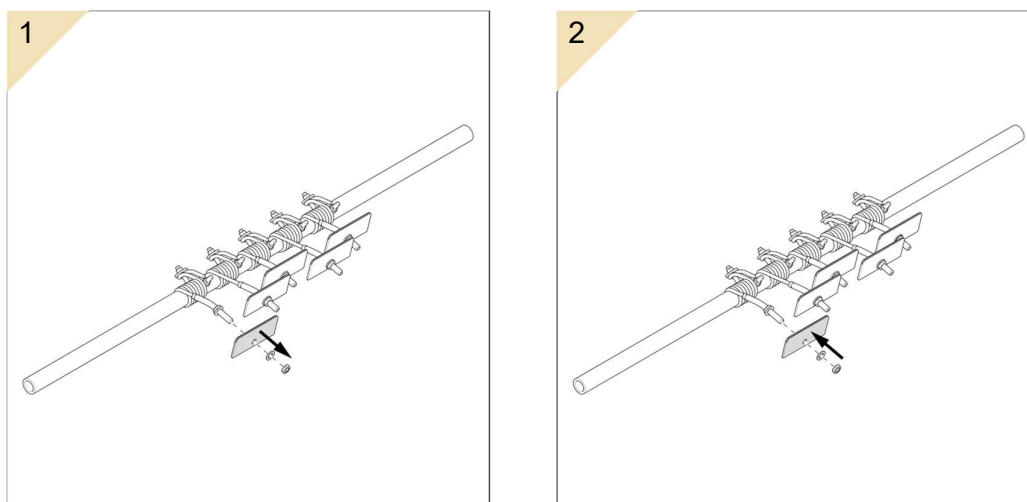
2.4 Tension values of air tensioner 32745-...

Belt width		Compressed air pressure in bar
in	mm	
18	500	0,4
24	650	0,6
30	800	0,8
36	1000	1,0
42	1200	1,2
48	1400	1,4
54	1600	0,8*
60	1800	0,9*
72	2000	1,1*
84	2200	1,2*
96	2400	1,4*

*Per tensioner;
Dual tensioners are needed



2.5 Replace scraper blades



2.6 Placing labels

2.6.1 Safety label

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



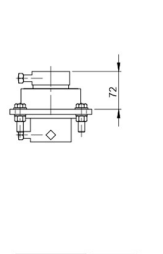
2.6.2 Other labels

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

3.2 Tensioner

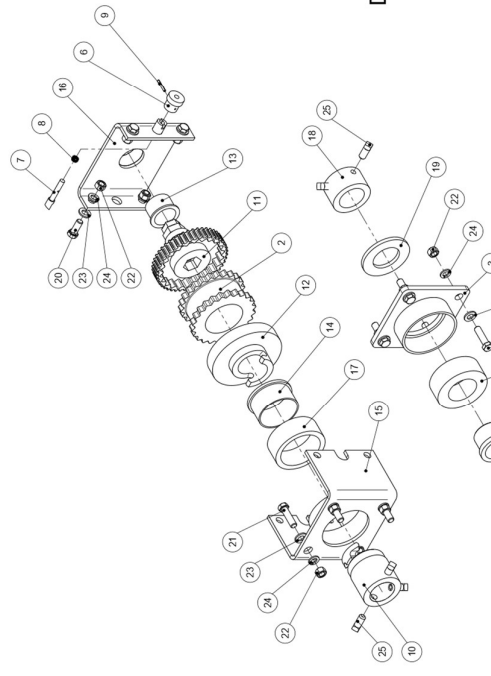
Item / Pos.		Qty / Anz.	Description / Beschreibung	Part / Teile-Nr.
1		1	Locking collar / Sicherungsgang	16945-E
2		1	Sleeve / Spannlager	31368
3		1	Flange / Geplattendring	32466
4		1	Shock ring / Gummidämpfer	32501
5		1	Nylon bushing / Nylonbuchse	33335
6		1	Radial adjuster / Radialer Einstellknopf	33570-TT
7		1	Tensioner plunger / Schubstift	33572
8		1	Compression spring / Druckfeder	33573
9		1	Screw pin 1/8" x 1" / Hohlbolzenstift	33574
10		1	Self-revelling coupling / Selbstausbausende Kupplung	33071
11		1	Gear casting / Spannlager	33872-I+E
12		1	Locking gear / Kuppelring	33873-I+E
13		1	Nylon bushing 1/4" / Nylonbuchse	33874-I
14		1	Nylon bushing / Nylonbuchse	33875
15		1	Base support / Basisaufnahme	33876
16		1	Tensioning support / Spannvorrichtungsaufnahme	33877
17		1	Shock ring / Dämpfungsgang	33881
18		1	Mounting hub (Metric) / Sicherungsgang	34693-E
19		1	Washer flat / Unterlegscheibe	34892
20		4	Hex screw M12 x 30 - DIN 933 (1 0032 galv / Sechskantschraube	41081-12030627B
21		8	Hex nut M12 x 45 - DIN 934 (1 0032 galv / Sechskantmutter	41081-12045627B
22		16	Hex nut M12 - DIN 934 (1 0032 galv / Sechskantmutter	41086-12B2
23		12	Washer flat M12 - DIN 125 A (1 0032 galv / Unterlegscheibe	41088-12A2P
24		12	Washer spring M12 - DIN 127 / Federling	41090-12A2P
25		7	Screw SQ M12x25 (DIN 479) / Vierkantschraube	41444-1205252P



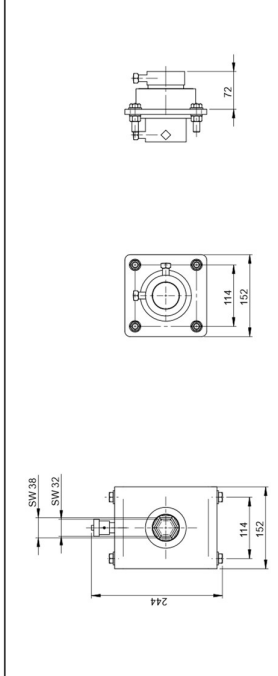
Dual



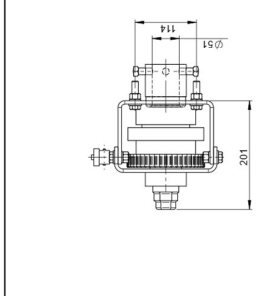
Single



Part number / Teilenummer	
a	Type Ausführung
Ø	Single Dual
b	Body type Gehäuseausführung
I	Steel body (1.0037) Stahlgehäuse (1.0037)
L	Steel body with extended coupling Stahlgehäuse mit verlängerter Kupplung
IC	Steel body with side cover (Orange) Stahlgehäuse mit seitlicher Abdeckung (Orange)
A4	Stainless steel body (1.4571) Edelstahlgehäuse (1.4571)
c	Finish Lackierung
Ø	Orange (RAL 2004) - Standard Orange (RAL 2004) - CSM
C	Orange (RAL 2004) - CSM



Revision	
No.	Rev.
1	1.0
2	2.0



Revision	
No.	Rev.
1	1.0
2	2.0

Item / Pos.	Qty. / Anz.		Description / Beschreibung	PIN / Teile-Nr.
	Single	Dual		
1	2	-	Adjustment ring dia 76 x 25 mm / Stellung	16845
2	1	2	Sleeve / Spannelement	31398
3	1	2	Ratchet adjusting knob / Ratschen Einstellknopf	33570-TT
4	1	2	Tensioner plunger / Schallsift	33572
5	1	2	Compressions spring 1" / Druckfeder	33573
6	1	2	Spring pin 1/8" x 1" / Holspinnelstift	33574
7	1	2	Self revealing coupling / Selbstauslösende Kupplung	33671
8	1	2	Tensioning drive / Spanngeltriebe	33672
9	1	2	Coupling / Kupplung	33673
10	1	2	Nylon bushing dia 44 mm - ID / Nylonbüchse	33674
11	1	2	Nylon bushing / Nylonhülse	33675
12	1	2	Shock ring / Dämpfungerring	33681
13	1	2	Coupling housing / Kupplungsgehäuse	33711
14	1	2	Spring housing / Spanngehäuse	33712
15	2	4	Compression washer 5/16" / Federschleibe	11452
16	2	4	Screw IHC 5/16 x 3/4 / Sechskantschraube	12250
17	6	4	Square head screw 1/2 x 1 / Vierkantschraube	22763-03
18	8	8	HHC screw M12 x 45 - DIN 933, (1.0032) galv. / Sechskantschraube	41081-120452P88
19	8	8	Hex nut M12 - DIN 934, (1.0032) galv. / Sechskantmutter	41086-12B2P
20	16	16	Washer flat M12 - DIN 125 A, (1.0032) galv. / Unterlegscheibe	41088-12A2P
21	8	8	Washer spring M12 - DIN 127, (1.0032) galv. / Federring	41090-12A2P
22	1	-	Flange flange / Gegenflansch	32496
23	1	-	Shock ring / Gummidämpfer	32501
24	1	-	Nylon bushing / Nylonbüchse	33335
25	1	-	Washer flat / Unterlegscheibe	34802

Notes:

1) All dimensions are given in mm

2) Weight: Single: 9,8 Kg

Bemerkung: Dual: 13,6 Kg

1) Alle Maße sind in mm

2) Gewicht: Single: 9,8 Kg

Dual: 13,6 Kg

38850-ab

a

Type	Ausführung
Ø: Single	Single
2: Dual	Dual

b

Additional options	Zusätzliche Optionen
A: with weldable adapter plate	mit Schweißhalterung
L: with L-Bracket	mit L-Halterung

38850-2

ab Bandbreite 1600mm

Bandwidth from 1600mm

38850

ab Bandbreite 1400mm

Bandwidth up to 1400mm

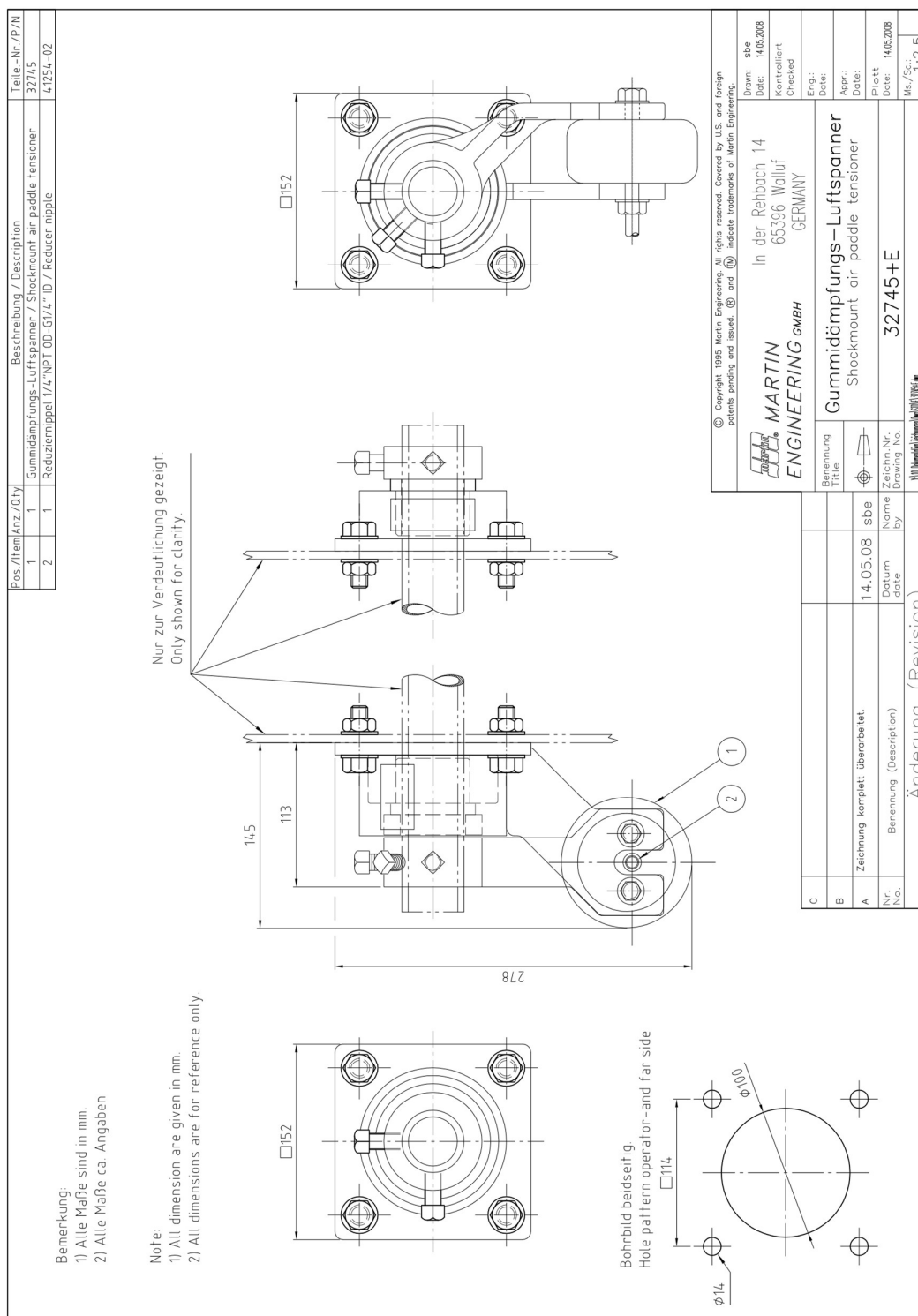
Single

Dual

Flat side on knob indicates plunger orientation /
Flache Seite des Knopfes zeigt die Ausrichtung der Antriebskraft an

Far side components (in red tensioner) /
Seitliche Komponenten (in rot Spannungsvorrichtung)

Operators side components /
Bauteile der Bedienersseite





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