

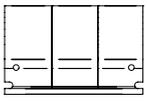
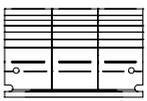


The Martin® QC™#1 HD Pre-Cleaner was developed for the toughest application conditions.

The economically efficient system consisting of pre-cleaner and tensioner combines efficient cleaning with a long wear life and minimum maintenance effort.

The use of different urethane blades makes this pre-cleaner suitable for normal use as well as for applications with high temperatures or highly abrasive conditions.

Technical data:

Max. belt speed	4.6 m/s
Head pulley diameter*	300 - 600 mm
Belt width	500 - 2400 mm
Mainframe type	Painted (RAL 2004) or stainless steel (1.4571)
Operating temperature**	-20 °C - +70 °C
Max. bulk material temperature*** All urethanes except green Green	+70 °C +150°C (intermittently up to +177 °C)
Blade design – solid	 For flat head pulleys, mechanical joints
Blade design – slitted	 For a clean scraping edge
Blade design – segmented	 For crowned head pulleys central load, for even wear
Blade design – slitted and segmented	 For crowned head pulleys Central load Mechanical joints

Features

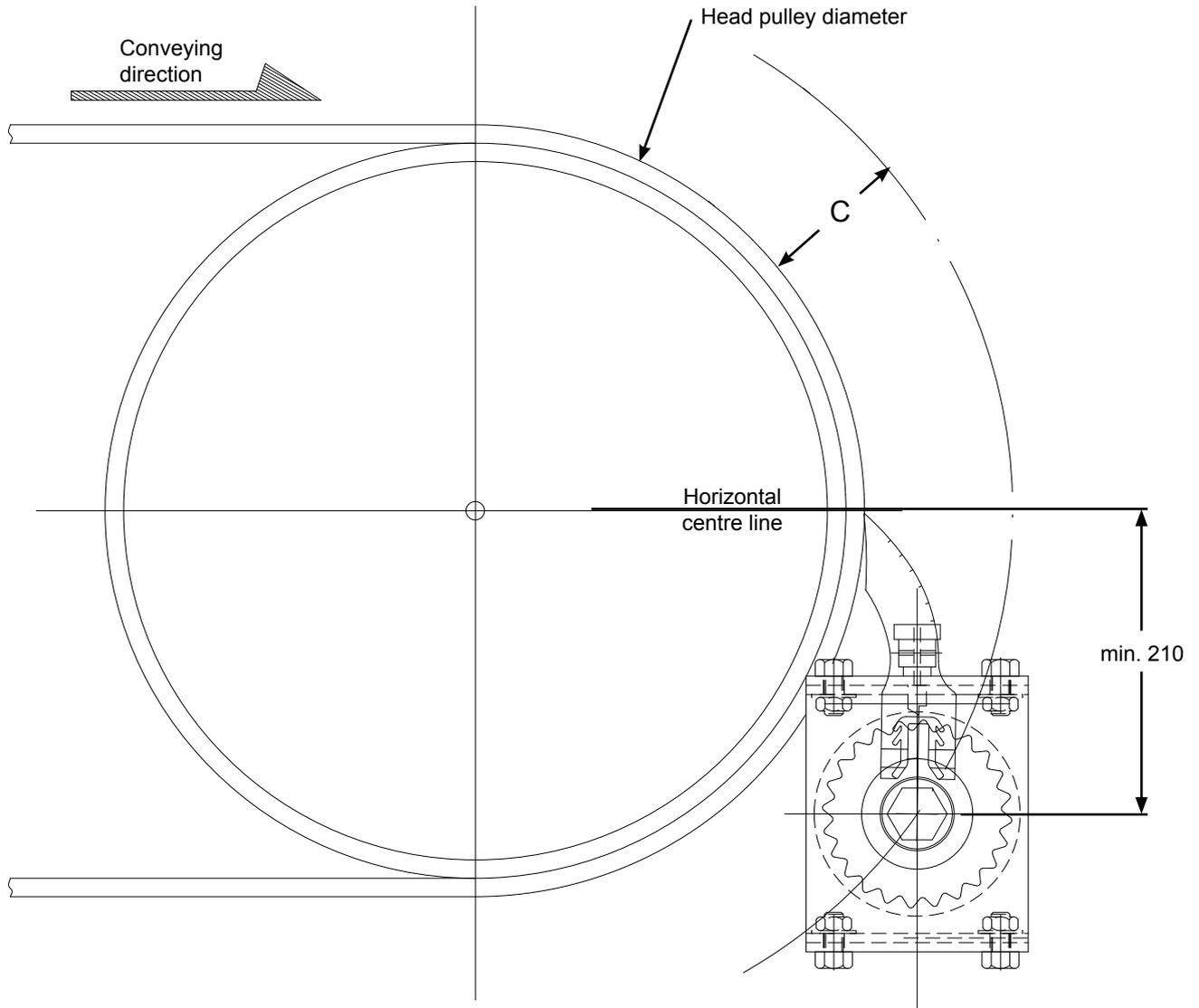
- **Reduced maintenance effort**
Fast replacement of the blade – no tools required, simply remove and reinstall a single lock pin.
- **Even cleaning results**
The blade with patented CARP design and the tensioners used provide efficient cleaning during the entire wear life of the blade, particularly with high belt speeds and/or mechanical joints.
- **Robust and flexible design**
The robust mainframe is reinforced with welded on sheet material. The aluminium seating of the blade ensures safe fixing to the mainframe.

* For head pulley diameters over 600 mm please contact Martin Engineering.

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

*** Further specifications see data sheet L3375.

Martin® QC™ #1 Heavy-Duty Pre-Cleaner - Installation Position

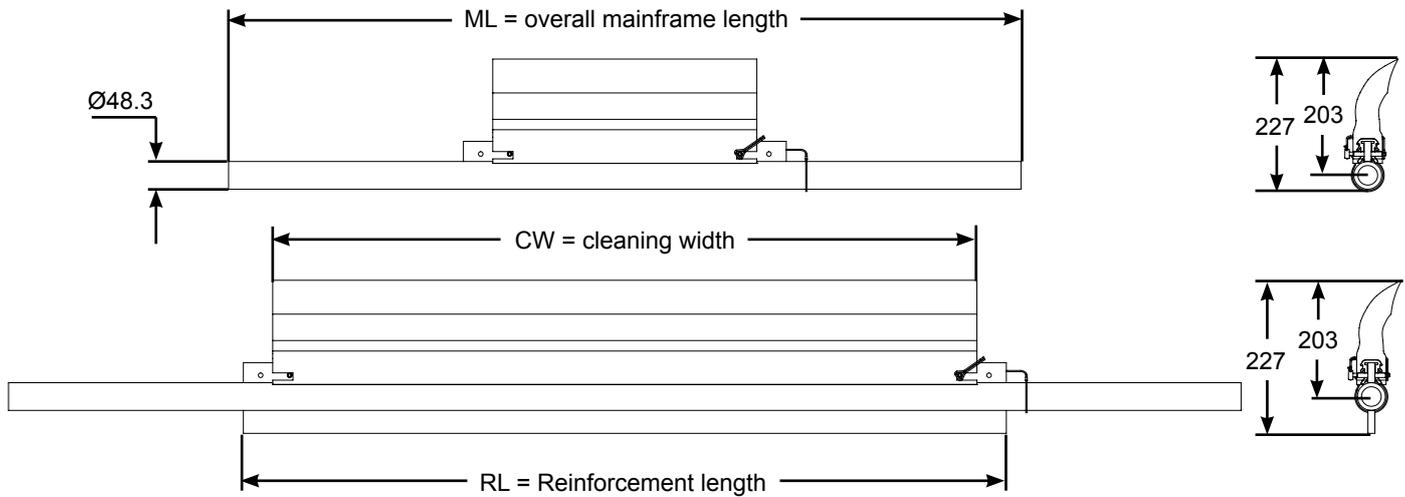


Installation position

Head pulley diameter*	C = distance
[mm]	[mm]
300-375	114
376-475	102
476 >	89

* includes rubber coating and conveyor belt

Martin® QC™ #1 HD Pre-Cleaner - Dimensions



Dimensions - mm

Belt width		CW narrow		CW wide		ML	RL	Cleaner weight without tensioner	Tensioner design	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[mm]	[mm]	[kg]	single	dual
18	500	12	305	16	406	1219	-	15 / 16	X	-
24	650	18	457	22	559	1372	-	19 / 20	X	-
30	800	24	610	28	711	1524	-	21 / 22	X	-
36	1000	30	762	34	864	1676	-	24 / 26	X	-
42	1200	36	914	40	1016	1829	-	27 / 28	X	-
48	1400	42	1067	46	1168	1981	-	29 / 30	X	-
54	1600	48	1219	52	1321	2134	1321	38 / 39	-	X
60	1800	54	1372	58	1473	2286	1473	39 / 42	-	X
66	1900	60	1524	64	1626	2438	1626	46 / 48	-	X
72	2000	66	1676	70	1778	2591	1778	52 / 53	-	X
78	2100	72	1829	76	1930	2743	1930	53 / 54	-	X
84	2200	78	1981	82	2083	2896	2083	58 / 60	-	X
96	2400	90	2286	94	2388	3200	2388	62 / 66	-	X

Note on narrow and wide cleaning width

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 Marting Engineering in case of questions or problems.

Martin® QC™#1 HD Pre-Cleaner – Key for Part Numbers

Martin® QC™#1 HD Pre-Cleaner – Part Number

35382-aabbccdde-ff+E	
a	Belt width in inches
b	Blade design
	11: solid
	01: slitted
	10: segmented
	00: slitted and segmented
c	Cleaning width in inches
d	Urethane options* see blade part number
e	Mainframe options
	ØØ: painted (RAL 2004)
	A4: stainless steel (1.4571)
f	Extended mainframe in dm

Martin® QC™#1 HD blade – Part number

35381-aabbccdd	
a	Belt width in inches
b	Blade design
	11: solid
	01: slitted
	10: segmented
	00: slitted and segmented
c	Cleaning width in inches
d	Urethane options*
	OR: orange (90 shore A)**
	BR: brown (resistant to chemicals)
	GR: green (resistant to temperature)
	NB: navy blue (sticky bulk material)
	CL: clear (dry bulk material)
	CY: yellow (highly abrasive conditions)
	MA: orange (83 shore A)

* Further specifications see data sheet L3375.

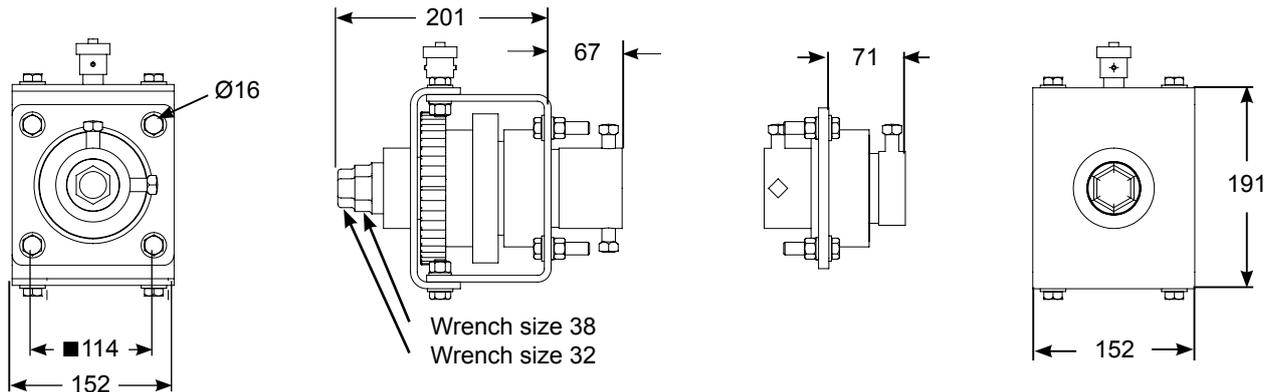
** Urethane option “OR” is only available with blade design 11 and 10.

Martin® QC™ #1 HD Pre-cleaner - Accessories

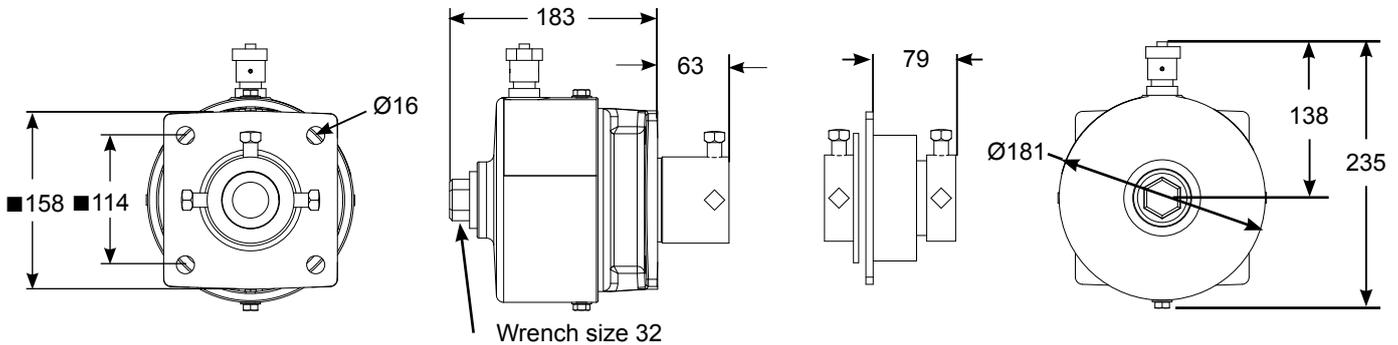
Tensioners	Part no.	Weight
		[kg]
Martin® Twist tensioner	31443-I+E	17
Martin® Twist tensioner (dual)	31443-2RI+E	26
Martin® Twist tensioner - round	38850	9
Martin® Twist tensioner (Dual) - round	38850-2	14
Martin® spring tensioner	38180	10
Martin® spring tensioner (dual)	38180-2	15

Accessories	Part no.
Martin® Inspection Door (steel)	CYA-XXXXXXXX+E
Martin® Inspection Door (rubber)	CYAR-XXXXXXXX+E
Martin® Hanger Mount	27382+E

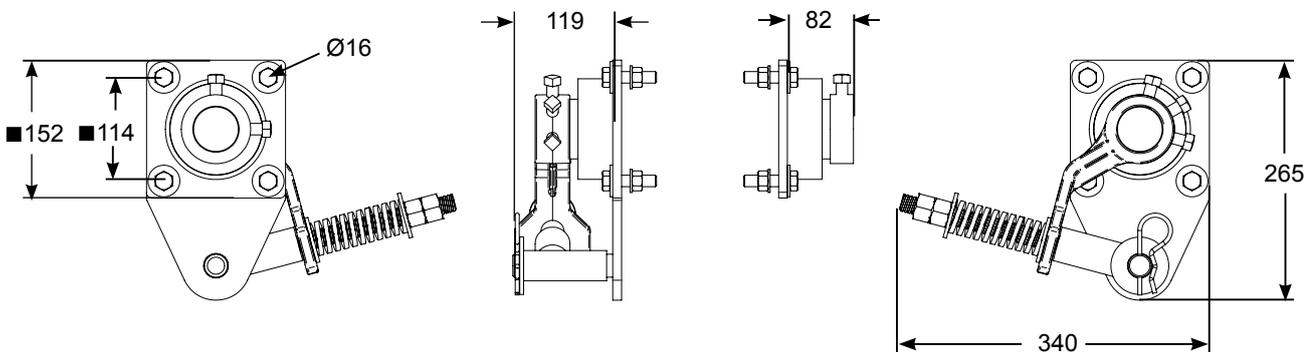
Martin® Twist tensioner (Part no. 31443-I+E)



Martin® Twist tensioner – round (Part no. 38850)



Martin® spring tensioner (Part-No. 38180)



Martin Engineering GmbH
 In der Rehbach 14
 65396 Walluf, Germany
 Tel. +49 6123 97820
 Fax +49 6123 75533
 info@martin-eng.de | www.martin-eng.de

Martin Engineering Ltd.
 8, Experian Way, NG2 Business Park,
 Nottingham NG2 1EP, Nottinghamshire,
 Great Britain
 Phone +44 115 946 4746 | Fax +44 115 946 5550
 info@martin-eng.co.uk | www.martin-eng.co.uk
 Subject to technical modifications. Quality management system certified by DNV - ISO 9001



Problem Solved™ GUARANTEED!

Publication no. L3370-07UK-06/17
 © Martin Engineering Company 1999, 2012