



The jet nozzle from the Martin® SMART™ series is an innovative solution for the familiar problem of replacing highly stressed nozzles which have relatively short wear lives due to high temperature stresses or contact with abrasive materials and thus require short maintenance intervals.

The innovative nozzle concept makes it possible to simply slide them from the outside into the system opening provided and screw them onto the existing assembly fittings, requiring only that the air cannon first be dismantled.

Technical data:

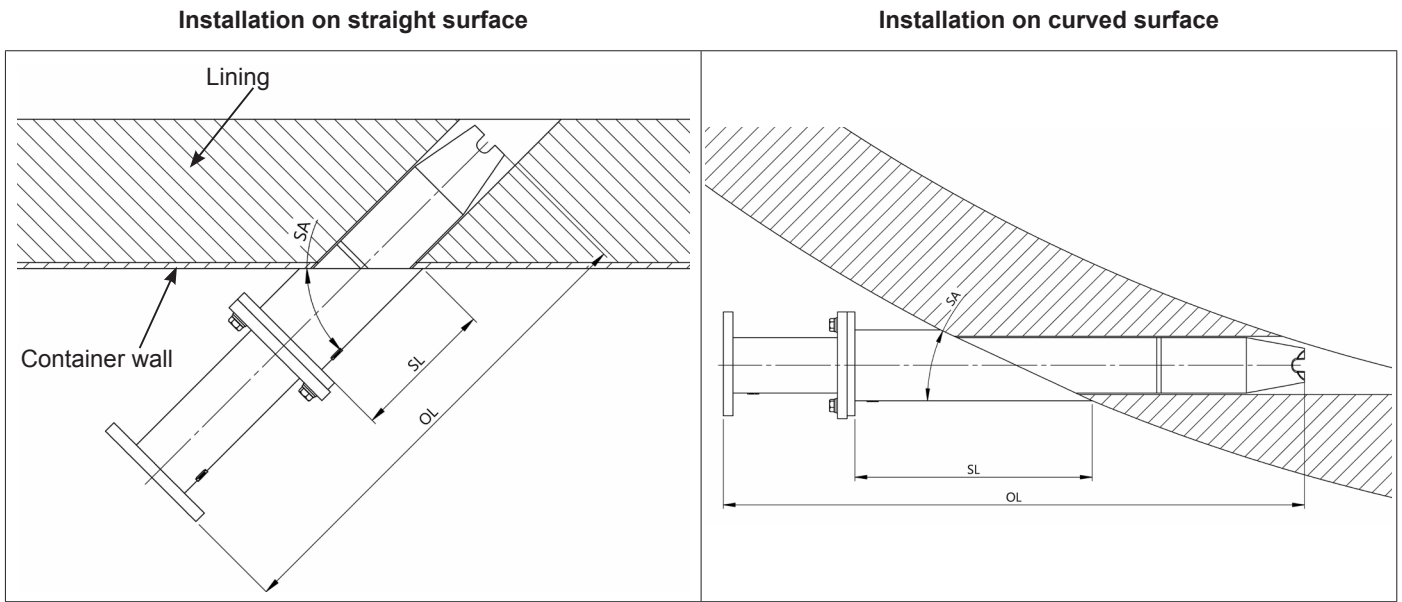
Design of the nozzle mouthpiece	stainless steel (1.4823)	high temperature resistant
	stainless steel (1.4848)	high temperature resistant chemically resistant wear resistant
Max. operating temperature	-50 °C to +150 °C	
Max. process temperature	1300 °C	

Features

- **Compact high-temperature spreader nozzle**
With low space requirement
- **High-heat resistant nozzle mouthpiece**
For chemically aggressive and abrasive conditions
- **Easy initial installation**
Due to round pipe design with small diameter
- **Easy alignment of the nozzle from the outside**
No access required to the pre-heater or cooler
- **Easy spare parts management**
By labelling of the basic and nozzle pipes
- **Same cleaning effect as with conventional spreader nozzles**
The jet nozzle uses a sophisticated inner geometry to achieve the same cleaning surface as conventional wider fan nozzles.

Wide fan nozzle	Jet nozzle
Wide cast part for spreading the air blast	Small cast part with sophisticated inner geometry for spreading the air blast

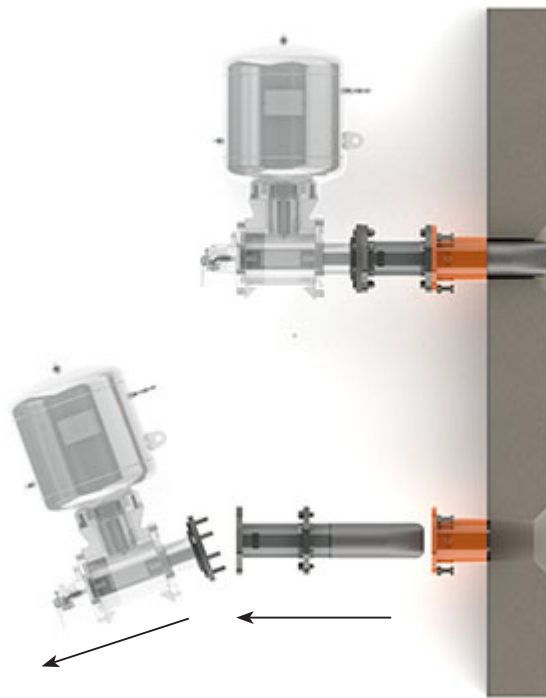
- **Sloping installation on straight and curved surfaces**



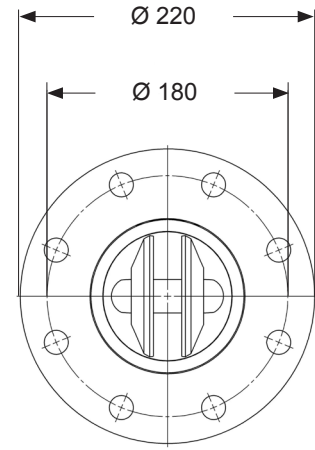
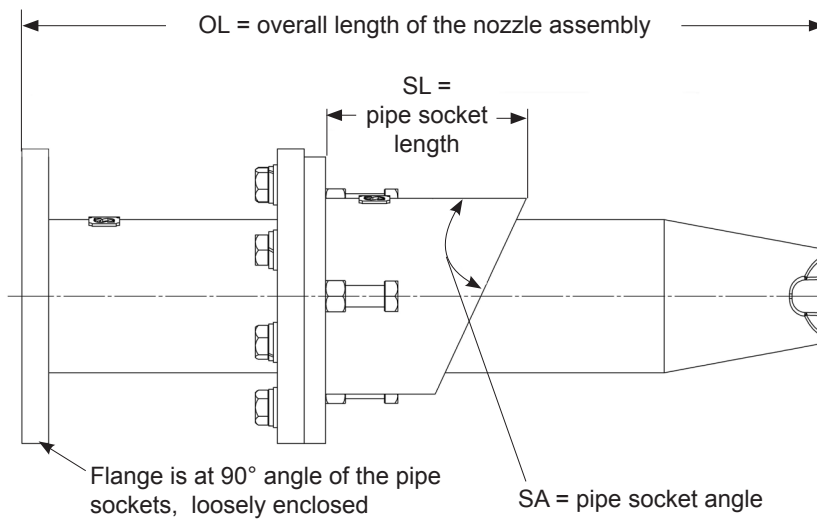
SA = Angle of the pipe socket; SL = Length of the pipe socket; OL = Overall length of the nozzle assembly

- **Quick inspection or replacement from outside without damage to the lining**
- **Air cannon disassembly is not required with the optional Y-pipe version**

Replacement of the standard nozzle (example):

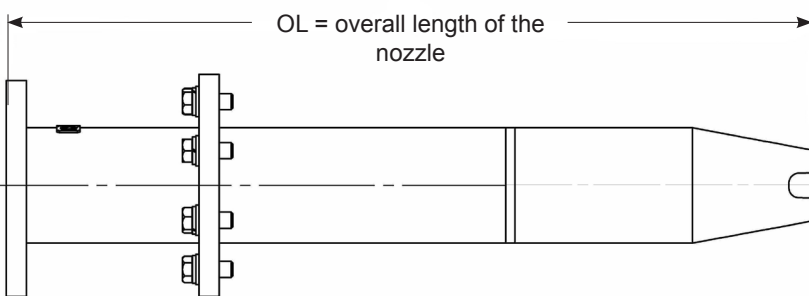


Jet Nozzle - Martin® SMART™ series - dimensions



Jet nozzle with pipe socket - part number 41341-AXXXXXXXXXXXXX

Part number	DIM			Weight
	OL	SL	SA	
	[mm]	[mm]	[°]	[kg]
41341-AXXXXXXX06XX75	600	130	75	30
41341-AXXXXXXX06XX70	600	140	70	30
41341-AXXXXXXX06XX65	600	150	65	30
41341-AXXXXXXX07XX60	700	160	60	32
41341-AXXXXXXX07XX55	700	180	55	33
41341-AXXXXXXX07XX50	700	210	50	33
41341-AXXXXXXX08XX45	800	240	45	35
41341-AXXXXXXX08XX40	800	280	40	36
41341-AXXXXXXX09XX35	900	330	35	39
41341-AXXXXXXX10XX30	1000	400	30	42
41341-AXXXXXXX12XX25	1200	490	25	48
41341-AXXXXXXX06XX90	600	220	90	31
41341-AXXXXXXX12XX90	1200	500	90	52



Jet nozzle without pipe socket - part number 41341-CXXXXXXXXXX

Spare part	Part no.	OL	Weight
		[mm]	[kg]
Jet nozzle	41341-CXXXXXXXXX06	600	24
Jet nozzle	41341-CXXXXXXXXX07	700	26
Jet nozzle	41341-CXXXXXXXXX08	800	29
Jet nozzle	41341-CXXXXXXXXX09	900	31
Jet nozzle	41341-CXXXXXXXXX10	1000	33
Jet nozzle	41341-CXXXXXXXXX12	1200	38

Part number explanation

41341- abbccdddeeffgg

a	Design*
	A: With pipe socket
	C: Nozzle body as spare part
b	Nozzle mouth piece design
3S:	QC nozzle - straight
c	Nozzle mouthpiece - material
H23:	stainless steel (1.4823)
H48:	stainless steel (1.4848)
d	4" pipe - material
MS:	Mild steel (1.0037)
A2:	stainless steel (1.4301)
A4:	stainless steel (1.4571)
e	Total length in dm
05:	500 mm In 100 mm increments up to
12:	1200 mm
f	Nozzle socket - material
MS:	Mild steel (1.0037)
A2:	stainless steel (1.4301)
A4:	stainless steel (1.4571)
g	Pipe socket angle
25:	25° in 5° increments up to
75:	75°
90:	90°

* Options f and g are not available if design "C" is selected



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Subject to technical modifications. Quality management system certified to DNV - ISO 9001