

Martin® Urethane Spray Deflectors



To improve screen efficiency and material-washing performance, install [Martin® Urethane Spray Deflectors](#) on screen spray bars. Martin® Urethane Spray Deflectors are developed for long service life in high-wear applications.

BENEFITS

- **Efficient Washing**
Martin® Urethane Spray Deflectors spread water over a larger area, improving wash efficiency while minimizing water use and plumbing requirements.
- **Extended Screen Life**
Martin® Urethane Spray Deflectors spread stream impact across the screen, prolonging the life of costly screen media.
- **Reduced Plugging**
Martin® Urethane Spray Deflectors allow the use of larger diameter spray orifices that are less likely to plug when using recycled plant water.
- **Long Lasting**
Urethane wear parts from Martin Engineering are specially formulated for high abrasion applications.
- **Cost Effective**
Martin® Urethane Spray Deflectors outlast brass or plastic nozzles.
- **Simple Installation**
U-bolt provides easy attachment on spray bars.
- **Standard Sizes**
Deflectors are available to fit 1-1/2- and 2-inch spray bars.
- **Comes Complete**
Deflectors are supplied with installation hardware.
- **Saves You Money**
Martin® Urethane Spray Deflectors deliver superior performance at economical pricing.
- **Guaranteed**
Martin® Urethane Spray Deflectors are covered by Martin Engineering's *Absolutely, Positively, No Excuses* Satisfaction Guarantee.

NOTES

1. The width of spray is approximately equal to the distance from the orifice to the screen deck surface; six to nine inches (150 to 230 mm) is a typical distance.
2. Holes in pipe should be staggered slightly to prevent adjacent spray streams from interfering with each other when deflectors are closely spaced.
3. Under average conditions, five to ten gallons of water per minute per cubic yard (25 to 50 liters of water per cubic meter) of material per hour should be available for washing.
4. Doubling the diameter of a pipe or hose will increase its capacity by a factor of four.
5. To minimize wear of screen deck, do not apply water to screen surface at a 90° angle.
6. To determine the static head pressure in psi of a column of water, multiply the height of the column in feet by .434.

TECHNICAL DATA SHEET

SPRAY PIPE CAPACITIES—(Using drilled holes in pipe)

Applied Water in Gallons Per Minute (Liters per minute)

Psi (kPa)	Diameter of Orifices in Inches (mm)									
	5/32 (4)	3/16 (5)	1/4 (6)	5/16 (8)	3/8 (10)	7/16 (11)	1/2 (12)			
20 (138)	2.1 (8)	3.0 (11)	5.2 (20)	8.1 (31)	11.7 (44)	15.8 (60)	20.1 (77)			
30 (207)	2.5 (10)	3.6 (14)	6.4 (24)	10.0 (40)	14.4 (55)	19.5 (74)	25.4 (96)			
40 (276)*	2.9 (11)	4.1 (16)	7.4 (28)	11.5 (44)	16.5 (63)	22.4 (85)	29.4 (111)			
50 (345)	3.2 (12)	4.6 (17)	8.2 (31)	12.8 (48)	18.5 (70)	25.0 (95)	32.9 (125)			
60 (414)	3.5 (13)	5.1 (19)	9.0 (34)	14.0 (53)	20.2 (77)	27.5 (104)	36.0 (136)			
70 (483)	3.8 (14)	5.6 (21)	9.7 (37)	15.1 (57)	21.8 (83)	29.6 (112)	38.8 (147)			
80 (552)	4.1 (15)	5.9 (22)	10.3 (39)	16.2 (61)	23.3 (88)	31.6 (120)	41.4 (157)			
90 (621)	4.3 (16)	6.2 (24)	11.0 (42)	17.2 (65)	24.8 (94)	33.6 (127)	44.0 (167)			
100 (689)	4.6 (17)	6.6 (25)	11.6 (44)	18.1 (69)	26.1 (99)	35.4 (134)	46.4 (176)			

* Recommended pressure for most washing installations.
 Figures represent pressure at the orifices.

ORDER INFORMATION

	Single Unit P/N	Case of 12 P/N
Spray Deflector for 1-1/2" and 2" pipes	NH-36201-2	NH-36201-2-12

Significant Savings on "Case Prices"



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**COMPANY WITH
 QUALITY SYSTEM
 CERTIFIED BY DNV
 = ISO 9001:2008 =**

Problem Solved™ GUARANTEED!

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