



# Black Steel Nipples

## TECHNICAL SPECIFICATIONS SUBMITTAL FORM

|               |                     |             |
|---------------|---------------------|-------------|
| Job Name:     | Submittal Date:     | Wholesaler: |
| Job Location: | Engineer/Architect: | Contractor: |

### Product Use:

Black Steel Nipples for use in HVAC, Refrigeration, and Plumbing Applications.

### Design and Features:

- Black Steel Nipples are typically used as a component in plumbing and pipe systems. They are essentially short lengths of black steel pipe with thread at both ends, allowing them to be screwed into other fittings or pipes to create a secure connection.
- Often used in gas, oil, and water applications, as they are durable and resistant to corrosion.
- Commonly used in residential and commercial plumbing, heating systems, and in the oil and gas industry.
- Can also be used for structural applications, such as construction of supports, frames, and railing systems.

### Certifications and Approvals:

- ASTM A53 – Material
- ASTM A733 – Dimensions
- ANSI B1.20.1 – Pipe Threads, General Purpose, Inch





# Close Black Nipples

## Close Black Nipples Dimensions and Selection

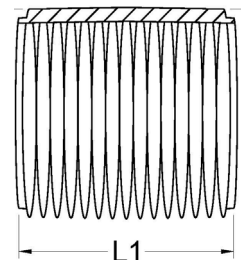
|  | PART #     | OD - DESCRIPTION            | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|------------|-----------------------------|---------|---------|---------|--------|
|  | BPF113BS-A | 1/8" x Close Black Nipple   | 25      | 3/4"    | 0.012   | 5.2    |
|  | BPF113BS-B | 1/4" x Close Black Nipple   | 25      | 7/8"    | 0.021   | 9.5    |
|  | BPF113BS-C | 3/8" x Close Black Nipple   | 25      | 1"      | 0.033   | 15.0   |
|  | BPF113BS-D | 1/2" x Close Black Nipple   | 25      | 1-1/8"  | 0.049   | 22.4   |
|  | BPF113BS-E | 3/4" x Close Black Nipple   | 25      | 1-3/8"  | 0.092   | 41.6   |
|  | BPF113BS-F | 1" x Close Black Nipple     | 25      | 1-1/2"  | 0.143   | 64.9   |
|  | BPF113BS-G | 1-1/4" x Close Black Nipple | 25      | 1-5/8"  | 0.214   | 97.0   |
|  | BPF113BS-H | 1-1/2" x Close Black Nipple | 25      | 1-3/4"  | 0.279   | 126.7  |
|  | BPF113BS-I | 2" x Close Black Nipple     | 25      | 2"      | 0.458   | 207.9  |

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# 1/8" Black Steel Nipples

## 1/8" Black Steel Nipples Dimensions and Selection

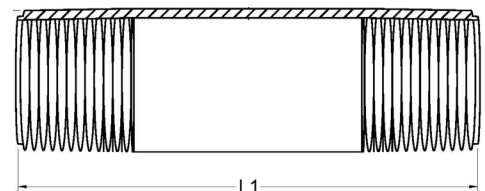
|  | PART #       | OD - DESCRIPTION           | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|----------------------------|---------|---------|---------|--------|
|  | BPF113BS-A15 | 1/8" x 1-1/2" Black Nipple | 25      | 1-1/2"  | 0.027   | 12.2   |
|  | BPF113BS-A2  | 1/8" x 2" Black Nipple     | 25      | 2"      | 0.038   | 17.2   |
|  | BPF113BS-A25 | 1/8" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.048   | 21.8   |
|  | BPF113BS-A3  | 1/8" x 3" Black Nipple     | 25      | 3"      | 0.058   | 26.3   |
|  | BPF113BS-A35 | 1/8" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.069   | 31.3   |
|  | BPF113BS-A4  | 1/8" x 4" Black Nipple     | 25      | 4"      | 0.079   | 35.8   |
|  | BPF113BS-A45 | 1/8" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.089   | 40.4   |
|  | BPF113BS-A5  | 1/8" x 5" Black Nipple     | 25      | 5"      | 0.1     | 45.4   |
|  | BPF113BS-A55 | 1/8" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 0.11    | 49.9   |
|  | BPF113BS-A6  | 1/8" x 6" Black Nipple     | 25      | 6"      | 0.12    | 54.4   |
|  | BPF113BS-A7  | 1/8" x 7" Black Nipple     | 25      | 7"      | 0.141   | 64     |
|  | BPF113BS-A8  | 1/8" x 8" Black Nipple     | 25      | 8"      | 0.162   | 73.5   |
|  | BPF113BS-A10 | 1/8" x 10" Black Nipple    | 25      | 10"     | 0.203   | 92.1   |
|  | BPF113BS-A11 | 1/8" x 11" Black Nipple    | 25      | 11"     | 0.224   | 101.6  |
|  | BPF113BS-A12 | 1/8" x 12" Black Nipple    | 25      | 12"     | 0.245   | 111.1  |

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# 1/4" Black Steel Nipples

## 1/4" Black Steel Nipples Dimensions and Selection

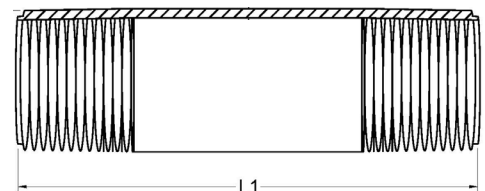
|  | PART #       | OD - DESCRIPTION           | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|----------------------------|---------|---------|---------|--------|
|  | BPF113BS-B15 | 1/4" x 1-1/2" Black Nipple | 25      | 1-1/2"  | 0.041   | 18.6   |
|  | BPF113BS-B2  | 1/4" x 2" Black Nipple     | 25      | 2"      | 0.059   | 26.8   |
|  | BPF113BS-B25 | 1/4" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.077   | 34.9   |
|  | BPF113BS-B3  | 1/4" x 3" Black Nipple     | 25      | 3"      | 0.094   | 42.6   |
|  | BPF113BS-B35 | 1/4" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.112   | 50.8   |
|  | BPF113BS-B4  | 1/4" x 4" Black Nipple     | 25      | 4"      | 0.13    | 59     |
|  | BPF113BS-B45 | 1/4" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.146   | 66.2   |
|  | BPF113BS-B5  | 1/4" x 5" Black Nipple     | 25      | 5"      | 0.165   | 74.8   |
|  | BPF113BS-B55 | 1/4" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 0.183   | 83     |
|  | BPF113BS-B6  | 1/4" x 6" Black Nipple     | 25      | 6"      | 0.199   | 90.3   |
|  | BPF113BS-B7  | 1/4" x 7" Black Nipple     | 25      | 7"      | 0.236   | 107    |
|  | BPF113BS-B8  | 1/4" x 8" Black Nipple     | 25      | 8"      | 0.27    | 122.5  |
|  | BPF113BS-B9  | 1/4" x 9" Black Nipple     | 25      | 9"      | 0.306   | 138.8  |
|  | BPF113BS-B10 | 1/4" x 10" Black Nipple    | 25      | 10"     | 0.341   | 154.7  |
|  | BPF113BS-B11 | 1/4" x 11" Black Nipple    | 25      | 11"     | 0.377   | 171    |
|  | BPF113BS-B12 | 1/4" x 12" Black Nipple    | 25      | 12"     | 0.412   | 186.9  |

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# 3/8" Black Steel Nipples

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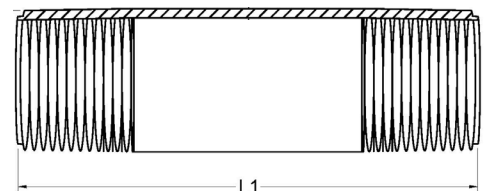
|  | PART #       | OD - DESCRIPTION           | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|----------------------------|---------|---------|---------|--------|
|  | BPF113BS-C15 | 3/8" x 1-1/2" Black Nipple | 25      | 1-1/2"  | 0.056   | 25.4   |
|  | BPF113BS-C2  | 3/8" x 2" Black Nipple     | 25      | 2"      | 0.08    | 36.3   |
|  | BPF113BS-C25 | 3/8" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.104   | 47.2   |
|  | BPF113BS-C3  | 3/8" x 3" Black Nipple     | 25      | 3"      | 0.126   | 57.2   |
|  | BPF113BS-C35 | 3/8" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.15    | 68     |
|  | BPF113BS-C4  | 3/8" x 4" Black Nipple     | 25      | 4"      | 0.174   | 78.9   |
|  | BPF113BS-C45 | 3/8" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.196   | 88.9   |
|  | BPF113BS-C5  | 3/8" x 5" Black Nipple     | 25      | 5"      | 0.221   | 100.2  |
|  | BPF113BS-C55 | 3/8" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 0.245   | 111.1  |
|  | BPF113BS-C6  | 3/8" x 6" Black Nipple     | 25      | 6"      | 0.267   | 121.1  |
|  | BPF113BS-C7  | 3/8" x 7" Black Nipple     | 25      | 7"      | 0.315   | 142.9  |
|  | BPF113BS-C8  | 3/8" x 8" Black Nipple     | 25      | 8"      | 0.361   | 163.7  |
|  | BPF113BS-C9  | 3/8" x 9" Black Nipple     | 25      | 9"      | 0.409   | 185.5  |
|  | BPF113BS-C10 | 3/8" x 10" Black Nipple    | 25      | 10"     | 0.456   | 206.8  |
|  | BPF113BS-C11 | 3/8" x 11" Black Nipple    | 25      | 11"     | 0.502   | 227.7  |
|  | BPF113BS-C12 | 3/8" x 12" Black Nipple    | 25      | 12"     | 0.55    | 249.5  |

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# 1/2" Black Steel Nipples

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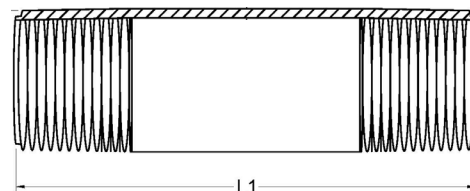
|  | PART #       | OD - DESCRIPTION           | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|----------------------------|---------|---------|---------|--------|
|  | BPF113BS-D15 | 1/2" x 1-1/2" Black Nipple | 25      | 1-1/2"  | 0.082   | 37.2   |
|  | BPF113BS-D2  | 1/2" x 2" Black Nipple     | 25      | 2"      | 0.111   | 50.3   |
|  | BPF113BS-D25 | 1/2" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.148   | 67.1   |
|  | BPF113BS-D3  | 1/2" x 3" Black Nipple     | 25      | 3"      | 0.181   | 82.1   |
|  | BPF113BS-D35 | 1/2" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.218   | 98.9   |
|  | BPF113BS-D4  | 1/2" x 4" Black Nipple     | 25      | 4"      | 0.254   | 115.2  |
|  | BPF113BS-D45 | 1/2" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.288   | 130.6  |
|  | BPF113BS-D5  | 1/2" x 5" Black Nipple     | 25      | 5"      | 0.324   | 147    |
|  | BPF113BS-D55 | 1/2" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 0.361   | 163.7  |
|  | BPF113BS-D6  | 1/2" x 6" Black Nipple     | 25      | 6"      | 0.394   | 178.7  |
|  | BPF113BS-D7  | 1/2" x 7" Black Nipple     | 25      | 7"      | 0.467   | 211.8  |
|  | BPF113BS-D8  | 1/2" x 8" Black Nipple     | 25      | 8"      | 0.537   | 243.6  |
|  | BPF113BS-D9  | 1/2" x 9" Black Nipple     | 25      | 9"      | 0.61    | 276.7  |
|  | BPF113BS-D10 | 1/2" x 10" Black Nipple    | 25      | 10"     | 0.68    | 308.4  |
|  | BPF113BS-D11 | 1/2" x 11" Black Nipple    | 25      | 11"     | 0.753   | 341.6  |
|  | BPF113BS-D12 | 1/2" x 12" Black Nipple    | 25      | 12"     | 0.823   | 373.3  |

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# 3/4" Black Steel Nipples

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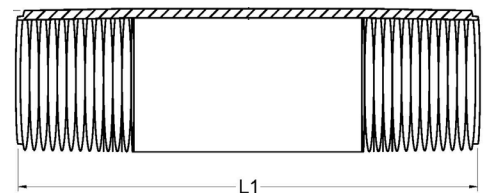
|  | PART #       | OD - DESCRIPTION           | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|----------------------------|---------|---------|---------|--------|
|  | BPF113BS-E15 | 3/4" x 1-1/2" Black Nipple | 25      | 1-1/2"  | 0.109   | 49.4   |
|  | BPF113BS-E2  | 3/4" x 2" Black Nipple     | 25      | 2"      | 0.148   | 67.1   |
|  | BPF113BS-E25 | 3/4" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.196   | 88.9   |
|  | BPF113BS-E3  | 3/4" x 3" Black Nipple     | 25      | 3"      | 0.241   | 109.3  |
|  | BPF113BS-E35 | 3/4" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.289   | 131.1  |
|  | BPF113BS-E4  | 3/4" x 4" Black Nipple     | 25      | 4"      | 0.338   | 153.3  |
|  | BPF113BS-E45 | 3/4" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.382   | 173.3  |
|  | BPF113BS-E5  | 3/4" x 5" Black Nipple     | 25      | 5"      | 0.431   | 195.5  |
|  | BPF113BS-E55 | 3/4" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 0.479   | 217.3  |
|  | BPF113BS-E6  | 3/4" x 6" Black Nipple     | 25      | 6"      | 0.524   | 237.7  |
|  | BPF113BS-E7  | 3/4" x 7" Black Nipple     | 25      | 7"      | 0.621   | 281.7  |
|  | BPF113BS-E8  | 3/4" x 8" Black Nipple     | 25      | 8"      | 0.714   | 323.9  |
|  | BPF113BS-E9  | 3/4" x 9" Black Nipple     | 25      | 9"      | 0.811   | 367.9  |
|  | BPF113BS-E10 | 3/4" x 10" Black Nipple    | 25      | 10"     | 0.904   | 410    |
|  | BPF113BS-E12 | 3/4" x 12" Black Nipple    | 25      | 12"     | 1.094   | 496.2  |

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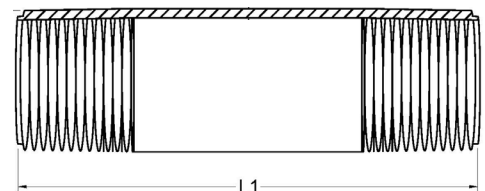
|  | PART #       | OD - DESCRIPTION         | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|--------------------------|---------|---------|---------|--------|
|  | BPF113BS-F2  | 1" x 2" Black Nipple     | 25      | 2"      | 0.218   | 98.9   |
|  | BPF113BS-F25 | 1" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.271   | 122.9  |
|  | BPF113BS-F3  | 1" x 3" Black Nipple     | 25      | 3"      | 0.341   | 154.7  |
|  | BPF113BS-F35 | 1" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.411   | 186.4  |
|  | BPF113BS-F4  | 1" x 4" Black Nipple     | 25      | 4"      | 0.481   | 218.2  |
|  | BPF113BS-F45 | 1" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.551   | 249.9  |
|  | BPF113BS-F5  | 1" x 5" Black Nipple     | 25      | 5"      | 0.621   | 281.7  |
|  | BPF113BS-F55 | 1" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 0.691   | 313.4  |
|  | BPF113BS-F6  | 1" x 6" Black Nipple     | 25      | 6"      | 0.761   | 345.2  |
|  | BPF113BS-F7  | 1" x 7" Black Nipple     | 25      | 7"      | 0.901   | 408.7  |
|  | BPF113BS-F8  | 1" x 8" Black Nipple     | 25      | 8"      | 1.041   | 472.2  |
|  | BPF113BS-F9  | 1" x 9" Black Nipple     | 25      | 9"      | 1.181   | 535.7  |
|  | BPF113BS-F10 | 1" x 10" Black Nipple    | 20      | 10"     | 1.321   | 599.2  |
|  | BPF113BS-F11 | 1" x 11" Black Nipple    | 20      | 11"     | 1.461   | 662.7  |
|  | BPF113BS-F12 | 1" x 12" Black Nipple    | 20      | 12"     | 1.601   | 726.2  |

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# 1-1/4" Black Steel Nipples

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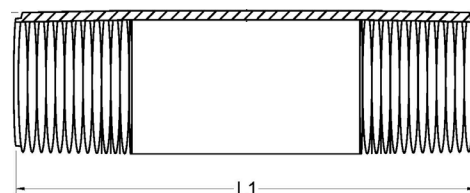
|  | PART #       | OD - DESCRIPTION             | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|------------------------------|---------|---------|---------|--------|
|  | BPF113BS-G2  | 1-1/4" x 2" Black Nipple     | 25      | 2"      | 0.296   | 134.3  |
|  | BPF113BS-G25 | 1-1/4" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.369   | 167.4  |
|  | BPF113BS-G3  | 1-1/4" x 3" Black Nipple     | 25      | 3"      | 0.463   | 210    |
|  | BPF113BS-G35 | 1-1/4" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.558   | 253.1  |
|  | BPF113BS-G4  | 1-1/4" x 4" Black Nipple     | 25      | 4"      | 0.653   | 296.2  |
|  | BPF113BS-G45 | 1-1/4" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.748   | 339.3  |
|  | BPF113BS-G5  | 1-1/4" x 5" Black Nipple     | 25      | 5"      | 0.843   | 382.4  |
|  | BPF113BS-G55 | 1-1/4" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 0.938   | 425.5  |
|  | BPF113BS-G6  | 1-1/4" x 6" Black Nipple     | 25      | 6"      | 1.033   | 468.6  |
|  | BPF113BS-G7  | 1-1/4" x 7" Black Nipple     | 15      | 7"      | 1.223   | 554.7  |
|  | BPF113BS-G8  | 1-1/4" x 8" Black Nipple     | 15      | 8"      | 1.413   | 640.9  |
|  | BPF113BS-G9  | 1-1/4" x 9" Black Nipple     | 15      | 9"      | 1.602   | 726.7  |
|  | BPF113BS-G10 | 1-1/4" x 10" Black Nipple    | 30      | 10"     | 1.792   | 812.8  |
|  | BPF113BS-G12 | 1-1/4" x 12" Black Nipple    | 30      | 12"     | 2.172   | 985.2  |

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# 1-1/2" Black Steel Nipples

## 1-1/2" Black Steel Nipples Dimensions and Selection

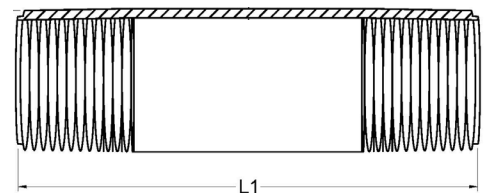
|  | PART #       | OD - DESCRIPTION             | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|------------------------------|---------|---------|---------|--------|
|  | BPF113BS-H2  | 1-1/2" x 2" Black Nipple     | 25      | 2"      | 0.356   | 161.5  |
|  | BPF113BS-H25 | 1-1/2" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.446   | 202.3  |
|  | BPF113BS-H3  | 1-1/2" x 3" Black Nipple     | 25      | 3"      | 0.554   | 251.3  |
|  | BPF113BS-H35 | 1-1/2" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.67    | 303.9  |
|  | BPF113BS-H4  | 1-1/2" x 4" Black Nipple     | 25      | 4"      | 0.786   | 356.5  |
|  | BPF113BS-H45 | 1-1/2" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 0.893   | 405.1  |
|  | BPF113BS-H5  | 1-1/2" x 5" Black Nipple     | 20      | 5"      | 1.009   | 457.7  |
|  | BPF113BS-H55 | 1-1/2" x 5-1/2" Black Nipple | 20      | 5-1/2"  | 1.125   | 510.3  |
|  | BPF113BS-H6  | 1-1/2" x 6" Black Nipple     | 20      | 6"      | 1.232   | 558.8  |
|  | BPF113BS-H8  | 1-1/2" x 8" Black Nipple     | 25      | 8"      | 1.688   | 765.7  |
|  | BPF113BS-H10 | 1-1/2" x 10" Black Nipple    | 15      | 10"     | 2.143   | 972    |
|  | BPF113BS-H12 | 1-1/2" x 12" Black Nipple    | 15      | 12"     | 2.598   | 1178.4 |

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# 2" Black Steel Nipples

## 2" Black Steel Nipples Dimensions and Selection

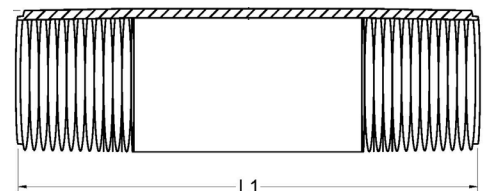
|  | PART #       | OD - DESCRIPTION         | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|--------------------------|---------|---------|---------|--------|
|  | BPF113BS-I25 | 2" x 2-1/2" Black Nipple | 25      | 2-1/2"  | 0.609   | 276.2  |
|  | BPF113BS-I3  | 2" x 3" Black Nipple     | 50      | 3"      | 0.753   | 341.6  |
|  | BPF113BS-I35 | 2" x 3-1/2" Black Nipple | 25      | 3-1/2"  | 0.909   | 412.3  |
|  | BPF113BS-I4  | 2" x 4" Black Nipple     | 25      | 4"      | 1.065   | 483.1  |
|  | BPF113BS-I45 | 2" x 4-1/2" Black Nipple | 25      | 4-1/2"  | 1.209   | 548.4  |
|  | BPF113BS-I5  | 2" x 5" Black Nipple     | 25      | 5"      | 1.209   | 548.4  |
|  | BPF113BS-I55 | 2" x 5-1/2" Black Nipple | 25      | 5-1/2"  | 1.365   | 619.2  |
|  | BPF113BS-I6  | 2" x 6" Black Nipple     | 25      | 6"      | 1.665   | 755.2  |
|  | BPF113BS-I8  | 2" x 8" Black Nipple     | 18      | 8"      | 2.276   | 1032.4 |
|  | BPF113BS-I9  | 2" x 9" Black Nipple     | 18      | 9"      | 2.276   | 1032.4 |
|  | BPF113BS-I10 | 2" x 10" Black Nipple    | 14      | 10"     | 2.888   | 1310   |
|  | BPF113BS-I12 | 2" x 12" Black Nipple    | 14      | 12"     | 3.5     | 1587.6 |

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# 2-1/2" Black Steel Nipples

## 2-1/2" Black Steel Nipples Dimensions and Selection

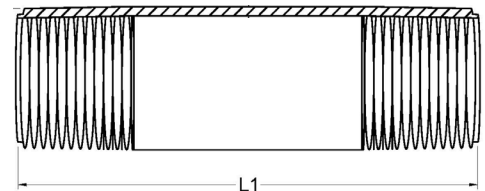
|  | PART #       | OD - DESCRIPTION             | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|------------------------------|---------|---------|---------|--------|
|  | BPF113BS-J3  | 2-1/2" x 3" Black Nipple     | 36      | 3"      | 1.107   | 502.1  |
|  | BPF113BS-J35 | 2-1/2" x 3-1/2" Black Nipple | 27      | 3-1/2"  | 1.278   | 579.7  |

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# 3" Black Steel Nipples

## 3" Black Steel Nipples Dimensions and Selection

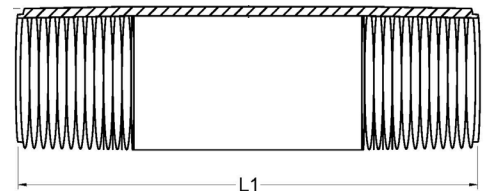
|  | PART #       | OD - DESCRIPTION      | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--|--------------|-----------------------|---------|---------|---------|--------|
|  | BPF113BS-K3  | 3" x 3" Black Nipple  | 24      | 3"      | 1.444   | 655    |
|  | BPF113BS-K4  | 3" x 4" Black Nipple  | 18      | 4"      | 1.996   | 905.4  |
|  | BPF113BS-K5  | 3" x 5" Black Nipple  | 12      | 5"      | 2.618   | 1187.5 |
|  | BPF113BS-K10 | 3" x 10" Black Nipple | 6       | 10"     | 5.779   | 2621.3 |

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# Over 12" Black Steel Nipples

## Over 12" Black Steel Nipples Dimensions and Selection

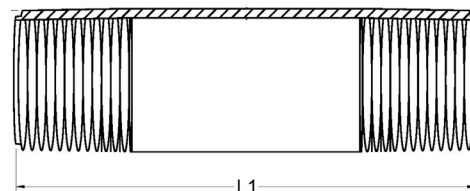
| PART #       | OD - DESCRIPTION          | BOX QTY | L1 (IN) | WT (LB) | WT (G) |
|--------------|---------------------------|---------|---------|---------|--------|
| BPF113BS-D18 | 1/2" x 18" Black Nipple   | 5       | 18"     | 1.248   | 566.1  |
| BPF113BS-E18 | 3/4" x 18" Black Nipple   | 5       | 18"     | 1.66    | 753    |
| BPF113BS-D24 | 1/2" x 24" Black Nipple   | 5       | 24"     | 1.677   | 760.7  |
| BPF113BS-D30 | 1/2" x 30" Black Nipple   | 5       | 30"     | 2.102   | 953.5  |
| BPF113BS-E24 | 3/4" x 24" Black Nipple   | 5       | 24"     | 2.23    | 1011.5 |
| BPF113BS-F18 | 1" x 18" Black Nipple     | 3       | 18"     | 2.441   | 1107.2 |
| BPF113BS-D36 | 1/2" x 36" Black Nipple   | 5       | 36"     | 2.528   | 1146.7 |
| BPF113BS-E30 | 3/4" x 30" Black Nipple   | 5       | 30"     | 2.797   | 1268.7 |
| BPF113BS-G18 | 1-1/4" x 18" Black Nipple | 3       | 18"     | 3.311   | 1501.8 |
| BPF113BS-E36 | 3/4" x 36" Black Nipple   | 5       | 36"     | 3.363   | 1525.4 |
| BPF113BS-H18 | 1-1/2" x 18" Black Nipple | 3       | 18"     | 3.956   | 1794.4 |
| BPF113BS-F30 | 1" x 30" Black Nipple     | 3       | 30"     | 4.121   | 1869.3 |
| BPF113BS-E48 | 3/4" x 48" Black Nipple   | 5       | 48"     | 4.499   | 2040.7 |
| BPF113BS-F36 | 1" x 36" Black Nipple     | 3       | 36"     | 4.961   | 2250.3 |
| BPF113BS-D72 | 1/2" x 72" Black Nipple   | 5       | 72"     | 5.09    | 2308.8 |
| BPF113BS-H24 | 1-1/2" x 24" Black Nipple | 3       | 24"     | 5.322   | 2414   |
| BPF113BS-I18 | 2" x 18" Black Nipple     | 3       | 18"     | 5.323   | 2414.5 |
| BPF113BS-E60 | 3/4" x 60" Black Nipple   | 5       | 60"     | 5.636   | 2556.4 |
| BPF113BS-F48 | 1" x 48" Black Nipple     | 3       | 48"     | 6.641   | 3012.3 |
| BPF113BS-I24 | 2" x 24" Black Nipple     | 3       | 24"     | 7.158   | 3246.8 |
| BPF113BS-F60 | 1" x 60" Black Nipple     | 3       | 60"     | 8.321   | 3774.3 |

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