

# Merchant Steel Couplings and Fittings Drop Pipe Couplings

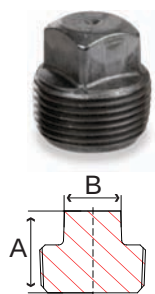
## Merchant Couplings and Fittings Specifications

- Merchant coupling dimensions and materials conform to ASTM A865
- Canadian Registration Numbers available at [www.smithcooper.com](http://www.smithcooper.com)
- Merchant coupling threads conform to ASME B1.20.1
- Merchant couplings from 1/8" to 2" are NPSC (straight threads),  
2-1/2" and larger are NPT (tapered)
- Recessed couplings are API 5L style for extra heavy pipe, all sizes have NPT threads
- Merchant steel bushings and plugs conform to ASME B16.14
- Hot-dipped galvanized fittings conform to ASTM A153

## Drop Pipe Couplings Specifications

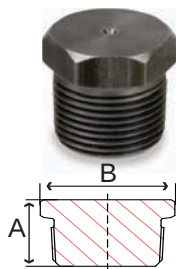
-  branded
- Drop pipe couplings are NPT (tapered threadeds)

**Fig. 23SP & 24SP – Square Head Plug**



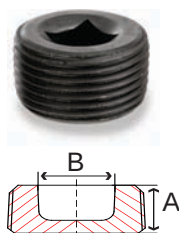
| Size<br>IN | Part Number |            | A<br>IN | B<br>IN | Packing |        | Weight<br>LB |
|------------|-------------|------------|---------|---------|---------|--------|--------------|
|            | Black       | Galvanized |         |         | Inner   | Master |              |
| 1/8        | 23SP4001    | 24SP4001   | 0.57    | 0.27    | -       | 2500   | 0.02         |
| 1/4        | 23SP4002    | 24SP4002   | 0.72    | 0.37    | -       | 1000   | 0.04         |
| 3/8        | 23SP4003    | 24SP4003   | 0.80    | 0.42    | -       | 600    | 0.06         |
| 1/2        | 23SP4004    | 24SP4004   | 0.97    | 0.55    | -       | 300    | 0.1          |
| 3/4        | 23SP4006    | 24SP4006   | 1.07    | 0.62    | -       | 200    | 0.2          |
| 1          | 23SP4010    | 24SP4010   | 1.25    | 0.81    | -       | 100    | 0.3          |

**Fig. 23HP & 24HP – Hex Head Plug**



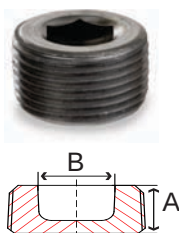
| Size<br>IN | Part Number |            | A<br>IN | B<br>IN | Packing |        | Weight<br>LB |
|------------|-------------|------------|---------|---------|---------|--------|--------------|
|            | Black       | Galvanized |         |         | Inner   | Master |              |
| 1/8        | 23HP4001    | 24HP4001   | 0.55    | 0.43    | -       | 2000   | 0.02         |
| 1/4        | 23HP4002    | 24HP4002   | 0.74    | 0.56    | -       | 900    | 0.05         |
| 3/8        | 23HP4003    | 24HP4003   | 0.80    | 0.68    | -       | 600    | 0.07         |
| 1/2        | 23HP4004    | 24HP4004   | 0.97    | 0.87    | -       | 300    | 0.1          |
| 3/4        | 23HP4006    | 24HP4006   | 1.06    | 1.06    | -       | 150    | 0.3          |
| 1          | 23HP4010    | 24HP4010   | 1.10    | 1.31    | -       | 100    | 0.5          |

**Fig. 23CS & 24CS – Countersunk Square Plug**



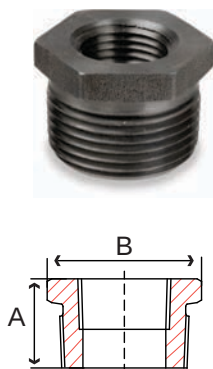
| Size<br>IN | Part Number |            | A<br>IN | B<br>IN | Packing |        | Weight<br>LB |
|------------|-------------|------------|---------|---------|---------|--------|--------------|
|            | Black       | Galvanized |         |         | Inner   | Master |              |
| 1/8        | 23CS4001    | 24CS4001   | 0.29    | 0.19    | -       | 5000   | 0.01         |
| 1/4        | 23CS4002    | 24CS4002   | 0.44    | 0.25    | -       | 1800   | 0.02         |
| 3/8        | 23CS4003    | 24CS4003   | 0.44    | 0.31    | -       | 1100   | 0.03         |
| 1/2        | 23CS4004    | 24CS4004   | 0.59    | 0.38    | -       | 500    | 0.07         |
| 3/4        | 23CS4006    | 24CS4006   | 0.60    | 0.50    | -       | 300    | 0.1          |
| 1          | 23CS4010    | 24CS4010   | 0.75    | 0.50    | -       | 150    | 0.2          |

**Fig. 23CH & 24CH – Countersunk Hex Plug**



| Size<br>IN | Part Number |            | A<br>IN | B<br>IN | Packing |        | Weight<br>LB |
|------------|-------------|------------|---------|---------|---------|--------|--------------|
|            | Black       | Galvanized |         |         | Inner   | Master |              |
| 1/8        | 23CH4001    | 24CH4001   | 0.29    | 0.18    | -       | 5000   | 0.01         |
| 1/4        | 23CH4002    | 24CH4002   | 0.44    | 0.25    | -       | 1800   | 0.02         |
| 3/8        | 23CH4003    | 24CH4003   | 0.44    | 0.31    | -       | 1100   | 0.03         |
| 1/2        | 23CH4004    | 24CH4004   | 0.59    | 0.37    | -       | 500    | 0.07         |
| 3/4        | 23CH4006    | 24CH4006   | 0.60    | 0.56    | -       | 300    | 0.1          |
| 1          | 23CH4010    | 24CH4010   | 0.75    | 0.62    | -       | 150    | 0.2          |

**Fig. 23HB & 24HB – Hex Bushing**



| Size<br>IN | Part Number |             | A<br>IN | B<br>IN | Packing |        | Weight<br>LB |
|------------|-------------|-------------|---------|---------|---------|--------|--------------|
|            | Black       | Galvanized  |         |         | Inner   | Master |              |
| 1/4 x 1/8  | 23HB4002001 | 24HB4002001 | 0.63    | 0.62    | 100     | 500    | 0.03         |
| 3/8 x 1/8  | 23HB4003001 | 24HB4003001 | 0.66    | 0.68    | 100     | 500    | 0.05         |
| 3/8 x 1/4  | 23HB4003002 | 24HB4003002 | 0.66    | 0.68    | 100     | 500    | 0.05         |
| 1/2 x 1/8  | 23HB4004001 | 24HB4004001 | 0.80    | 0.87    | 50      | 500    | 0.1          |
| 1/2 x 1/4  | 23HB4004002 | 24HB4004002 | 0.80    | 0.87    | 50      | 500    | 0.1          |
| 1/2 x 3/8  | 23HB4004003 | 24HB4004003 | 0.80    | 0.87    | 50      | 500    | 0.1          |
| 3/4 x 1/8  | 23HB4006001 | 24HB4006001 | 0.94    | 1.06    | 50      | 500    | 0.2          |
| 3/4 x 1/4  | 23HB4006002 | 24HB4006002 | 0.94    | 1.06    | 50      | 500    | 0.2          |
| 3/4 x 3/8  | 23HB4006003 | 24HB4006003 | 0.94    | 1.06    | 50      | 500    | 0.2          |
| 3/4 x 1/2  | 23HB4006004 | 24HB4006004 | 0.94    | 1.06    | 50      | 500    | 0.2          |
| 1 x 1/8    | 23HB4010001 | 24HB4010001 | 1.00    | 1.31    | 50      | 500    | 0.3          |
| 1 x 1/4    | 23HB4010002 | 24HB4010002 | 1.00    | 1.31    | 50      | 500    | 0.4          |
| 1 x 3/8    | 23HB4010003 | 24HB4010003 | 1.00    | 1.31    | 50      | 500    | 0.4          |
| 1 x 1/2    | 23HB4010004 | 24HB4010004 | 1.00    | 1.31    | 50      | 500    | 0.4          |
| 1 x 3/4    | 23HB4010006 | 24HB4010006 | 1.00    | 1.31    | 50      | 500    | 0.4          |