



# **SIGMA** **Piping Products**

## **SPECIFICATIONS**

### **MALLEABLE THREADED FITTINGS**

**ALL MALLEABLE THREADED FITTINGS MANUFACTURED FOR AND BY SIGMA PIPING PRODUCTS CONFORM TO, COMPLY WITH, AND ARE MANUFACTURED TO THE FOLLOWING STANDARDS:**

- ASTM A 197- Standard Spec for Cupola Malleable Iron
- ASTM A 153- Standard Spec for Zinc Coating (Hot Dip) on Iron and Steel
- ANSI B 16.3- Malleable Iron Threaded Fittings Classes 150
- ANSI/ASME B1.20.1- Pipe Threads, General Purpose (inch) NPT

### **DUCTILE IRON THREADED FITTINGS**

**ALL DUCTILE IRONS MANUFACTURED FOR AND BY SIGMA PIPING PRODUCTS CONFORM TO, COMPLY WITH, AND ARE MANUFACTURED TO THE FOLLOWING STANDARDS:**

- ASTM A 536- Grade 65-45-12
- ANSI B 16.3- Malleable Iron Threaded Fittings Classes 150
- ANSI/ASME B1.20.1- Pipe Threads, General Purpose (inch) NPT

### **CAST IRON THREADED FITTINGS**

**ALL CAST IRONS MANUFACTURED FOR AND BY SIGMA PIPING PRODUCTS CONFORM TO, COMPLY WITH, AND ARE MANUFACTURED TO THE FOLLOWING STANDARDS:**

- ASTM A126- Class B Standard Spec for Cupola Cast Iron
- ANSI B 16.4- Cast Iron Threaded Fittings Classes 125
- ANSI/ASME B1.20.1- Pipe Threads, General Purpose (inch) NPT

### **STEEL PIPE NIPPLES**

**ALL STEEL PIPE NIPPLES MANUFACTURED FOR AND BY SIGMA PIPING PRODUCTS CONFORM TO, COMPLY WITH, AND ARE MANUFACTURED TO THE FOLLOWING STANDARDS:**

- ASTM A 53- Standard Spec for Pipe, Steel, Black and Hot-Dipped, Zinc Coated, Welded and Seamless
- ANSI/ASME B1.20.1- Pipe Threads, General Purpose (inch) NPT

# PIPE NIPPLES BLACK

Carbon Steel Schedule 40 Welded Pipe Nipples Threaded to Spec. ANSI/ASME B1.20.1

## DESCRIPTION BLACK STEEL



LENGTH	NOMINAL SIZE							
	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
<b>CLOSE</b>	1NB0101	1NB0201	1NB0301	1NB0401	1NB0501	1NB0601	1NB0701	1NB0801
1/4"	1NB0102	1NB0202	NA	NA	NA	NA	NA	NA
3/8"	1NB0103	1NB0203	1NB0303	NA	NA	NA	NA	NA
1/2"	1NB0104	1NB0204	1NB0304	1NB0404	NA	NA	NA	NA
3/4"	1NB0105	1NB0205	1NB0305	1NB0405	1NB0505	NA	NA	NA
1"	1NB0106	1NB0206	1NB0306	1NB0406	1NB0506	1NB0606	NA	NA
1 1/4"	1NB0107	1NB0207	1NB0307	1NB0407	1NB0507	1NB0607	1NB0707	NA
1 1/2"	1NB0108	1NB0208	1NB0308	1NB0408	1NB0508	1NB0608	1NB0708	1NB0808
2"	1NB0109	1NB0209	1NB0309	1NB0409	1NB0509	1NB0609	1NB0709	1NB0809
2 1/2"	1NB0110	1NB0210	1NB0310	1NB0410	1NB0510	1NB0610	1NB0710	1NB0810
3"	1NB0111	1NB0211	1NB0311	1NB0411	1NB0511	1NB0611	1NB0711	1NB0811
3 1/2"	1NB0111.5	1NB0211.5	1NB0311.5	1NB0411.5	1NB0511.5	1NB0611.5	1NB0711.5	1NB0811.5
4"	1NB0112	1NB0212	1NB0312	1NB0412	1NB0512	1NB0612	1NB0712	1NB0812
4 1/2"	1NB0112.5	1NB0212.5	1NB0312.5	1NB0412.5	1NB0512.5	1NB0612.5	1NB0712.5	1NB0812.5
5"	1NB0113	1NB0213	1NB0313	1NB0413	1NB0513	1NB0613	1NB0713	1NB0813
5 1/2"	1NB0113.5	1NB0213.5	1NB0313.5	1NB0413.5	1NB0513.5	1NB0613.5	1NB0713.5	1NB0813.5
6"	1NB0114	1NB0214	1NB0314	1NB0414	1NB0514	1NB0614	1NB0714	1NB0814
8"	1NB0115	1NB0215	1NB0315	1NB0415	1NB0515	1NB0615	1NB0715	1NB0815
9"	1NB0116	1NB0216	1NB0316	1NB0416	1NB0516	1NB0616	1NB0716	1NB0816
10	1NB0117	1NB0217	1NB0317	1NB0417	1NB0517	1NB0617	1NB0717	1NB0817
11	1NB0118	1NB0218	1NB0318	1NB0418	1NB0518	1NB0618	1NB0718	1NB0818
12	1NB0119	1NB0219	1NB0319	1NB0419	1NB0519	1NB0619	1NB0719	1NB0819

LENGTH	NOMINAL SIZE							
	2"	2 1/2"	3"	4"	6"	8"	10"	12"
<b>CLOSE</b>	1NB0901	1NB1001	1NB1101	1NB1201	1NB1401	1NB1501	1NB1701	1NB1901
1/4"	NA	NA	NA	NA	NA	NA	NA	NA
3/8"	NA	NA	NA	NA	NA	NA	NA	NA
1/2"	NA	NA	NA	NA	NA	NA	NA	NA
3/4"	NA	NA	NA	NA	NA	NA	NA	NA
1"	NA	NA	NA	NA	NA	NA	NA	NA
1 1/4"	NA	NA	NA	NA	NA	NA	NA	NA
1 1/2"	NA	NA	NA	NA	NA	NA	NA	NA
2"	1NB0909	NA	NA	NA	NA	NA	NA	NA
2 1/2"	1NB0910	1NB1010	NA	NA	NA	NA	NA	NA
3"	1NB0911	1NB1011	1NB1111	NA	NA	NA	NA	NA
3 1/2"	1NB0911.5	1NB1011.5	1NB1111.5	NA	NA	NA	NA	NA
4"	1NB0912	1NB1012	1NB1112	1NB1212	NA	NA	NA	NA
4 1/2"	1NB0912.5	1NB1012.5	1NB1112.5	1NB1212.5	NA	NA	NA	NA
5"	1NB0913	1NB1013	1NB1113	1NB1213	NA	NA	NA	NA
5 1/2"	1NB0913.5	1NB1013.5	1NB1113.5	1NB1213.5	NA	NA	NA	NA
6"	1NB0914	1NB1014	1NB1114	1NB1214	1NB1414	1NB1514	1NB1714	1NB1914
8"	1NB0915	1NB1015	1NB1115	1NB1215	1NB1415	1NB1515	1NB1715	1NB1915
9"	1NB0916	1NB1016	1NB1116	1NB1216	1NB1416	1NB1516	1NB1716	1NB1916
10	1NB0917	1NB1017	1NB1117	1NB1217	1NB1417	1NB1517	1NB1717	1NB1917
11	1NB0918	1NB1018	1NB1118	1NB1218	1NB1418	1NB1518	1NB1718	1NB1918
12	1NB0919	1NB1019	1NB1119	1NB1219	1NB1419	1NB1519	1NB1719	1NB1919

Carbon Steel Schedule 40 Welded Pipe Nipples Threaded to Spec. ANSI/ASME B1.20.1  
Galvanized to Spec. ASTM A 153- for Zic Coating

## PIPE NIPPLES GALVANIZED

### DESCRIPTION GALVANIZED STEEL



LENGTH	NOMINAL SIZE							
	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
<b>CLOSE</b>	1NG0101	1NG0201	1NG0301	1NG0401	1NG0501	1NG0601	1NG0701	1NG0801
1/4"	1NG0102	1NG0202	NA	NA	NA	NA	NA	NA
3/8"	1NG0103	1NG0203	1NG0303	NA	NA	NA	NA	NA
1/2"	1NG0104	1NG0204	1NG0304	1NG0404	NA	NA	NA	NA
3/4"	1NG0105	1NG0205	1NG0305	1NG0405	1NG0505	NA	NA	NA
1"	1NG0106	1NG0206	1NG0306	1NG0406	1NG0506	1NG0606	NA	NA
1 1/4"	1NG0107	1NG0207	1NG0307	1NG0407	1NG0507	1NG0607	1NG0707	NA
1 1/2"	1NG0108	1NG0208	1NG0308	1NG0408	1NG0508	1NG0608	1NG0708	1NG0808
2"	1NG0109	1NG0209	1NG0309	1NG0409	1NG0509	1NG0609	1NG0709	1NG0809
2 1/2"	1NG0110	1NG02010	1NG0310	1NG0410	1NG0510	1NG0610	1NG0710	1NG0810
3"	1NG0111	1NG0211	1NG0311	1NG0411	1NG0511	1NG0611	1NG0711	1NG0811
3 1/2"	1NG0111.5	1NG0211.5	1NG0311.5	1NG0411.5	1NG0511.5	1NG0611.5	1NG0711.5	1NG0811.5
4"	1NG0112	1NG0212	1NG0312	1NG0412	1NG0512	1NG0612	1NG0712	1NG0812
4 1/2"	1NG0112.5	1NG0212.5	1NG0312.5	1NG0412.5	1NG0512.5	1NG0612.5	1NG0712.5	1NG0812.5
5"	1NG0113	1NG0213	1NG0313	1NG0413	1NG0513	1NG0613	1NG0713	1NG0813
5 1/2"	1NG0113.5	1NG0213.5	1NG0313.5	1NG0413.5	1NG0513.5	1NG0613.5	1NG0713.5	1NG0813.5
6"	1NG0114	1NG0214	1NG0314	1NG0414	1NG0514	1NG0614	1NG0714	1NG0814
8"	1NG0115	1NG0215	1NG0315	1NG0415	1NG0515	1NG0615	1NG0715	1NG0815
9"	1NG0116	1NG0216	1NG0316	1NG0416	1NG0516	1NG0616	1NG0716	1NG0816
10	1NG0117	1NG0217	1NG0317	1NG0417	1NG0517	1NG0617	1NG0717	1NG0817
11	1NG0118	1NG0218	1NG0318	1NG0418	1NG0518	1NG0618	1NG0718	1NG0818
12	1NG0119	1NG0219	1NG0319	1NG0419	1NG0519	1NG0619	1NG0719	1NG0819

LENGTH	NOMINAL SIZE							
	2"	2 1/2"	3"	4"	6"	8"	10"	12"
<b>CLOSE</b>	1NG0901	1NG1001	1NG1101	1NG1201	1NG1401	1NG1501	1NG1701	1NG1901
1/4"	NA	NA	NA	NA	NA	NA	NA	NA
3/8"	NA	NA	NA	NA	NA	NA	NA	NA
1/2"	NA	NA	NA	NA	NA	NA	NA	NA
3/4"	NA	NA	NA	NA	NA	NA	NA	NA
1"	NA	NA	NA	NA	NA	NA	NA	NA
1 1/4"	NA	NA	NA	NA	NA	NA	NA	NA
1 1/2"	NA	NA	NA	NA	NA	NA	NA	NA
2"	1NG0909	NA	NA	NA	NA	NA	NA	NA
2 1/2"	1NG0910	1NG1010	NA	NA	NA	NA	NA	NA
3"	1NG0911	1NG1011	1NG1111	NA	NA	NA	NA	NA
3 1/2"	1NG0911.5	1NG1011.5	1NG1111.5	NA	NA	NA	NA	NA
4"	1NG0912	1NG1012	1NG1112	1NG1212	NA	NA	NA	NA
4 1/2"	1NG0912.5	1NG1012.5	1NG1112.5	1NG1212.5	NA	NA	NA	NA
5"	1NG0913	1NG1013	1NG1113	1NG1213	NA	NA	NA	NA
5 1/2"	1NG0913.5	1NG1013.5	1NG1113.5	1NG1213.5	NA	NA	NA	NA
6"	1NG0914	1NG1014	1NG1114	1NG1214	1NG1414	1NG1514	1NG1714	1NG1914
8"	1NG0915	1NG1015	1NG1115	1NG1215	1NG1415	1NG1515	1NG1715	1NG1915
9"	1NG0916	1NG1016	1NG1116	1NG1216	1NG1416	1NG1516	1NG1716	1NG1916
10	1NG0917	1NG1017	1NG1117	1NG1217	1NG1417	1NG1517	1NG1717	1NG1917
11	1NG0918	1NG1018	1NG1118	1NG1218	1NG1418	1NG1518	1NG1718	1NG1918
12	1NG0919	1NG1019	1NG1119	1NG1219	1NG1419	1NG1519	1NG1719	1NG1919