

SPECIFICATIONS

FIGURE NBSG5
PIPING PRODUCT



CARBON STEEL FLANGE NUT & BOLT SET - GRADE 5

FEATURES

- For ANSI 150# Flanges
- Lengths for joining two flanges*
- Material: Carbon steel
- Finish: Zinc-plated
- Sizes: 1/2" to 12"

PRODUCT SPECIFICATIONS

Standards

Cap Screws:

- Material: SAE J429 Grade 5
- Dimensions: ASME B18.2.1
- Thread: Class 2A

Nuts:

- Material: SAE J995 Grade 5
- Dimensions: ASME B18.2.2
- Thread: Class 2B

Cap Screw Properties

- Minimum proof strength: 85 KSI
- Minimum yield strength: 92 KSI
- Tensile: 120 KSI Minimum
- Hardness: C25–C34

* Based on 1/16" raised face and 1/8" gasket



FIGURE NUMBER MATRIX

FNW NBSG5 Z 1 SIZE			
Finish	Flange	Size Code	
Z = Zinc	1 = 150#	1/2 = D	3 = M
		3/4 = F	4 = P
		1 = G	5 = S
		1-1/4 = H	6 = U
		1-1/2 = J	8 = X
		2 = K	10 = 10
		2-1/2 = L	12 = 12

150# PACK QUANTITIES & BOLT SIZES (INCHES)

Size	Bolt Qty	Nut Qty	Diameter	Bolt Length
1/2	4	4	1/2 – 13	2
3/4	4	4	1/2 – 13	2
1	4	4	1/2 – 13	2-1/4
1-1/4	4	4	1/2 – 13	2-1/4
1-1/2	4	4	1/2 – 13	2-1/2
2	4	4	5/8 – 11	2-3/4
2-1/2	4	4	5/8 – 11	3
3	4	4	5/8 – 11	3
4	8	8	5/8 – 11	3
5	8	8	3/4 – 10	3-1/4
6	8	8	3/4 – 10	3-1/4
8	8	8	3/4 – 10	3-1/2
10	12	12	7/8 – 9	4
12	12	12	7/8 – 9	4