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FLANGE CHART

150# NAVY

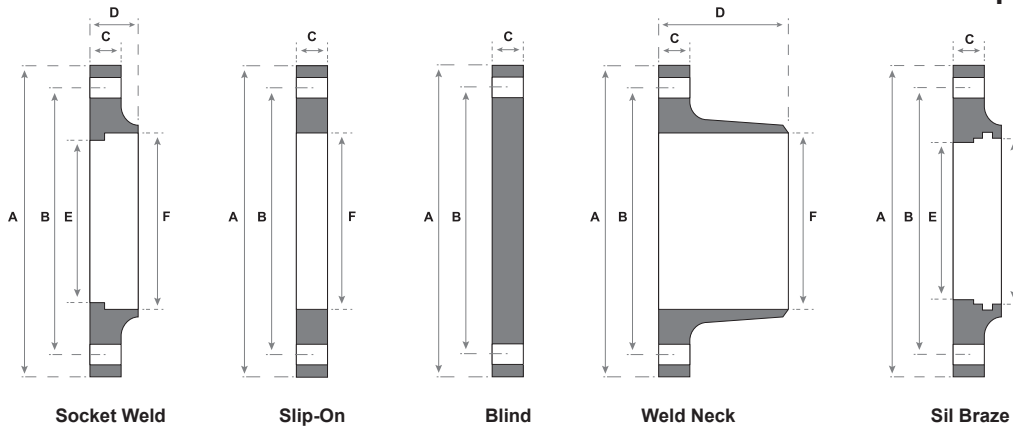
Specification: NAVSEA DWG 810-4715319

Fig 2A

NAVSEA DWG 803-6983512

Fig 16-D (SW) / 14-D (SO) / 13-D (BL) / 11-D (WN)

Flange Drilling: MIL-F-20042



| SERVICE RATING TABLE | | |
|----------------------|-----------------------------|-------------------|
| FIGURE | Blind, Slip On, Socket Weld | Welding Neck |
| SIZE | 1/4 to 12 | 2 to 12 |
| WOG | 150 PSI at 150° F | 150 PSI at 150° F |
| STEAM | 100 PSI at 425° F | 100 PSI at 425° F |

| 150# MIL-F-20042 FLANGES | | | | | | | | | | | |
|--------------------------|---------------|---------|-------|-----------------|---------|---------|-------------|----------------------------|--------|------------|------------|
| SIZE | RBS P/N | A | C | B (Bolt Circle) | D (SW) | D (WN) | E (SW / SB) | F MIN / MAX (SW / SB / SO) | F (WN) | № of Holes | Drill Size |
| 1/4" | FLNXY150-040 | 3 1/4 | 3/8 | 2 1/8 | 5/8 | | 0.348 | 0.545 / 0.575 | | 3 | 9/16 |
| 3/8" | FLNXY150-060 | 3 3/8 | 3/8 | 2 1/4 | 5/8 | | 0.545 | 0.680 / 0.710 | | 3 | 9/16 |
| 1/2" | FLNXY150-100 | 3 9/16 | 3/8 | 2 7/16 | 3/4 | | 0.648 | 0.845 / 0.875 | | 3 | 9/16 |
| 3/4" | FLNXY150-150 | 3 13/16 | 7/16 | 2 11/16 | 3/4 | | 0.920 | 1.055 / 1.085 | | 4 | 9/16 |
| 1" | FLNXY150-200 | 4 1/4 | 7/16 | 3 1/8 | 3/4 | | 1.185 | 1.320 / 1.350 | | 4 | 9/16 |
| 1 1/4" | FLNXY150-250 | 4 1/2 | 7/16 | 3 3/8 | 3/4 | | 1.516 | 1.665 / 1.695 | | 4 | 9/16 |
| 1 1/2" | FLNXY150-300 | 5 1/16 | 7/16 | 3 15/16 | 13/16 | | 1.720 | 1.905 / 1.935 | | 6 | 9/16 |
| 2" | FLNXY150-400 | 5 9/16 | 7/16 | 4 7/16 | 15/16 | 2 3/16 | 2.240 | 2.380 / 2.426 | 2.115 | 6 | 9/16 |
| 2 1/2" | FLNXY150-450 | 6 1/8 | 1/2 | 5 | 15/16 | 2 3/8 | 2.710 | 2.880 / 2.931 | 2.615 | 6 | 9/16 |
| 3" | FLNXY150-500 | 6 5/8 | 1/2 | 5 1/2 | 15/16 | 2 7/16 | 3.310 | 3.505 / 3.560 | 3.220 | 8 | 9/16 |
| 3 1/2" | FLNXY150-550 | 7 3/16 | 1/2 | 6 1/16 | 15/16 | 2 3/8 | 3.810 | 4.005 / 4.060 | 3.720 | 8 | 9/16 |
| 4" | FLNXY150-600 | 7 11/16 | 1/2 | 6 9/16 | 1 1/8 | 2 9/16 | 4.280 | 4.505 / 4.565 | 4.220 | 8 | 9/16 |
| 5" | FLNXY150-700 | 9 1/16 | 9/16 | 7 13/16 | 1 5/16 | 3 1/8 | 5.320 | 5.568 / 5.628 | 5.283 | 10 | 11/16 |
| 6" | FLNXY150-800 | 10 1/8 | 9/16 | 8 7/8 | 1 7/16 | 3 1/4 | 6.360 | 6.630 / 6.690 | 6.251 | 12 | 11/16 |
| 8" | FLNXY150-900 | 12 3/8 | 5/8 | 11 1/16 | 1 5/8 | 3 11/16 | 8.330 | 8.630 / 8.690 | 8.251 | 14 | 11/16 |
| 10" | FLNXY150-1000 | 15 | 11/16 | 13 7/16 | 1 13/16 | 3 7/8 | 10.380 | 10.755 / 10.815 | 10.376 | 15 | 13/16 |
| 12" | FLNXY150-1100 | 17 5/8 | 3/4 | 16 1/16 | 2 | 4 3/8 | 12.250 | 12.755 / 12.815 | 12.250 | 18 | 13/16 |

Replace **X** with the following codes for Material:

Stainless Steel 304 - **304** Carbon Steel - **CS**
Stainless Steel 316 - **316** Aluminum - **A**
Stainless Steel 321 - **321** Cuni 70/30 - **7**
Stainless Steel 347 - **347** Cuni 90/10 - **9**

Replace **Y** with the following codes for Type:

Socket Weld - **SW** Weld Neck - **WN**
Slip On - **SO** Silver Brazed - **SB**
Blind - **BL** Butterfly - **B**

