

HYDRAULIC LINE

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5KPS

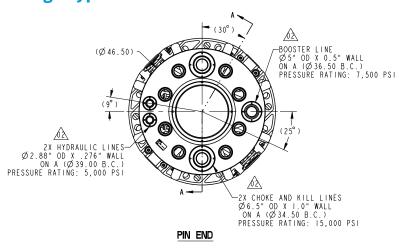
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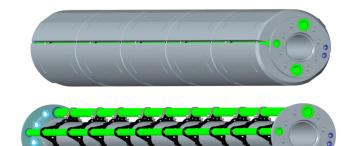
Dog Type 2™

(2.88"OD X 2.33"

Flange Type-E[™]

Flange Type-H™





Flange Type-G

5, 10, 20, 25, 30, 40, 75, 90

13/16", 7/8" and 15/16"

4 Line (Choke, Kill,

Choke/Kill: 15K

/6.5"x4.5"

hole

Booster, 1x Hydraulic)

Booster - 5K / 5"x4"

Hydraulic – 5K / 2.5"

All lines are 90 degrees

apart. NO extra holes

for extra lines in flange

except hydraulic hole.

Sch80 (Duplex SS)

3,000,000 lb.

75ft, 90ft

21"

46.5



for lines.

The marine drilling riser system connects the subsea BOP stack to the drilling vessel. It is a continuation of the well bore from the seabed to the surface.

Riser Joint: A section of riser main tube having ends fitted with a box and pin and including choke, kill and (optional) auxiliary lines and their support brackets.

lines.

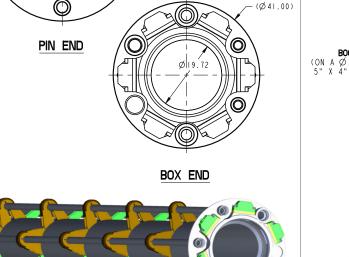
Marine Drilling Riser: A tubular conduit serving as an extension of the well bore from the

for lines.

equipment on the wellhead at the seafloor to a floating drilling rig.

Rig Systems

for lines.

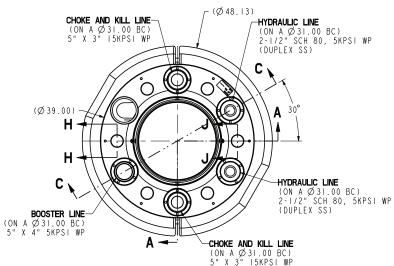


-CHOKE AND KILL LINE (5"OD X 3"ID I5KPSI WP:

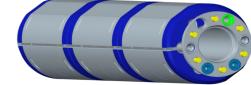
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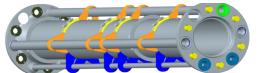
BOOSTER LINE

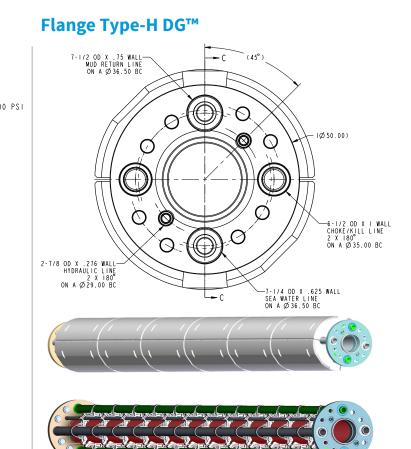
5"OD X 4"ID 5KPSI WP)



TOP VIEW







Flange Type-I

4,000,000 lb.

75ft, 90ft

21"

Hvds

6.5"x4.5"

5, 10, 20, 25, 40, 90 13/16" and 15/16"

47.13 All Flanges have a Glycol pocket between 6 Line (Choke, Kill, Boost-

er, 2x Hydraulic, Glycol) Choke/Kill - 15K/

Booster - 7.5K / 5"x4" Hydraulic – 5K / 2.5" Sch80 (Duplex SS) Glycol - 15K / 3"x2"

All lines are 90 degrees apart. NO extra holes for extra lines in flange.

	FI-HDG (Shown Above)
Tension Load	3,500,000 lb.
Lengths	50ft, 75 ft
OD Pipe	21"
Unique Configurations	5
Foot Lengths	5, 10, 20, 25, 40, 90
Wall Thickness	7/8" and 15/16"
Flange Diameter(s)	50
Line Configurations	6 Line (Choke, Kill, Mud Return, Seawater, 2x Hydraulic)
Line Pressures and Sizes	Choke/Kill - 15K / 6.5"x4.5" Mud Return - 7.5K / 7.5"x6.0" Seawater Line – 7.5K / 7.25"x6.0" Hydraulic – 5K / 2.5" Sch80 (Duplex SS)
Other	All lines are 90 degrees apart with split hydraulic lines. NO extra holes for extra lines in flange

Primary Functions of the marine riser system are to:

1. Provide for fluid communication between the drilling vessel and the BOP Stack and the well:

a. Through the main bore during drilling operations;

- b. Through the choke and kill lines when the BOP Stack is
- being used to control the well
- c. Through the auxiliary lines such as a hydraulic fluid supply and mud boost lines.
- 2. Guide tools into the well
- 3. Serve as a running and retrieving string for the BOP stack.