






**PETROLEUM
MACHINERY, INC.**
OILFIELD EQUIPMENT MANUFACTURING & REPAIR

PETROLEUM MACHINERY, INC.

Providing contract machine shop services, design and manufacturing of drill-through and wellhead equipment, repair, assembly and testing of BOPs for customers in the Oil & Gas industry.

P200 ANNULAR

SPHERICAL ANNULAR

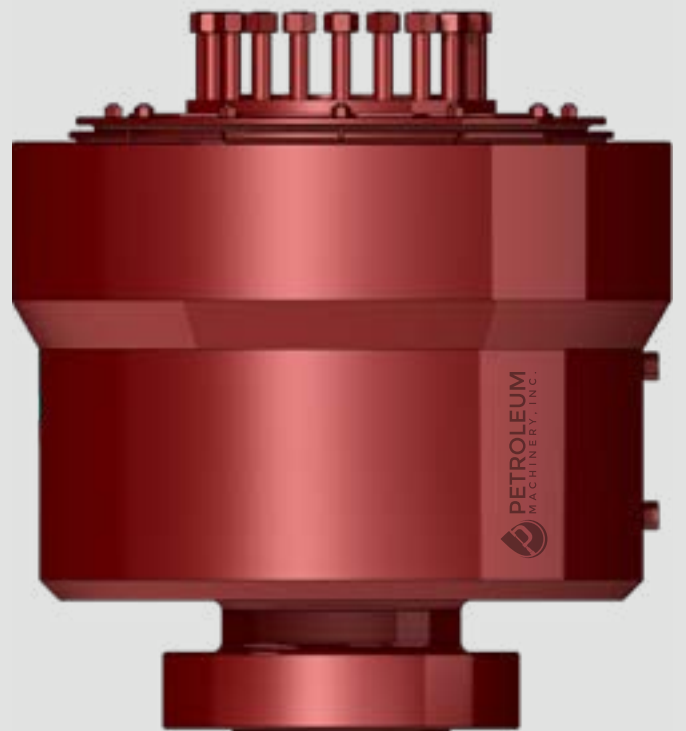
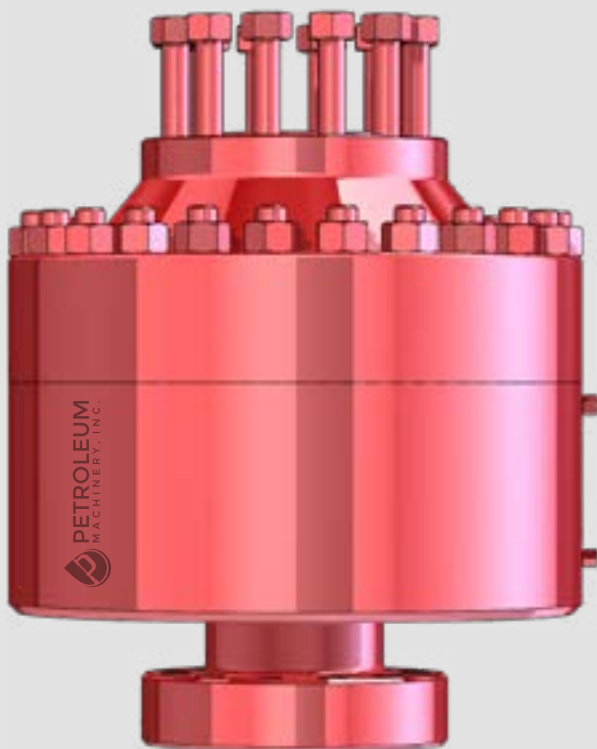
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P200

Spherical Annular

BOLTED

WEDGE



The P200 Spherical Annular is a field proven, compact design available in various sizes and pressures with two configurations – Bolted or Wedge type.

The simplistic design, consisting of 5 main components, makes for ease of operations and element change outs.

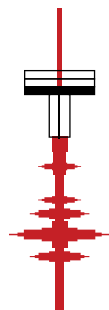
SPECS

- ◆ Designed and Manufactured to API 16A
- ◆ API 16A Monogram available
- ◆ Forged 4130 material
- ◆ **Standard configuration:**
Studded Top with Flanged Bottom connections
- ◆ Suitable for use in H₂S environments
- ◆ **Standard Operating Pressure:** 1,500 PSI
- ◆ **Bore Sizes:** 7 1/16”-30”
- ◆ **Pressures:** 500-10,000 PSI
- ◆ **Ring Groove Inlay:**
4130 (steel)/316 (stainless steel)/625 (Inconel)
- ◆ **Internal coating available:**
Xylan, Everslick, & Phosphate

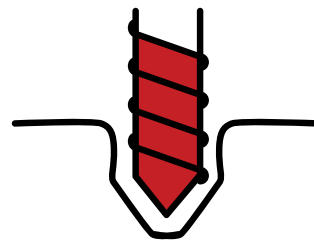
APPLICATIONS



Well Servicing



Snubbing



Drilling

PACKING ELEMENTS

- ◆ Natural
- ◆ Nitrile
- ◆ Suitable for stripping
- ◆ Ability to close on all pipe, casing, wireline, coiled tubing

PRESSURE RATING :: PSI

Size	500	1,000	2,000	3,000	5,000	10,000
7 1/16				◆	◆	◆
11				◆	◆	
13 5/8				◆	◆	◆
16 3/4					◆	
20 3/4				◆		
21 1/4			◆		◆	◆
26 3/4				◆		
29 1/2	◆					
30		◆				

COMMON SIZES, WEIGHTS AND DIMS



Size	PSI	Height (IN)	Width (IN)	Weight (LBS)
7 1/16	3,000	29.66	29.00	2,950
	5,000	30.79	29.00	3,200
	10,000	42.4	43.00	10,675
11	3,000	40.435	44.75	9,086
	5,000	42.06	44.75	9,229
13 5/8	5,000	47.44	50.00	14,147
	10,000	62.53	64.50	34,895

Additional Sizes and Pressures available upon request

HYDRAULIC FLUID REQUIREMENTS

Size	PSI	Standard Continous Rated Operating PSI	Gallons (USA) to OPEN	Gallons (USA) to CLOSE	Hydraulic Ports
7 1/16	3,000	1,500	3.42	4.87	1" NPT
	5,000	1,500	3.29	4.65	1" NPT
	10,000	1,500	13.88	17.17	1 1/4" NPT
11	3,000	1,500	7.02	11.31	1 1/4" NPT
	5,000	1,500	14.64	18.68	1 1/4" NPT
13 5/8	5,000	1,500	17.45	23.61	1 1/2" NPT
	10,000	1,500	32.61	40.13	2" NPT

Additional Sizes and Pressures available upon request