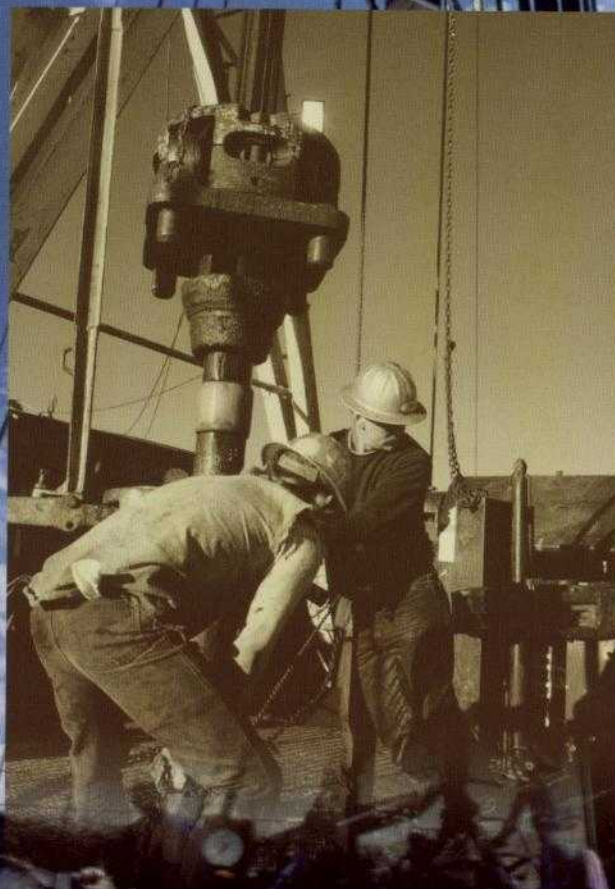
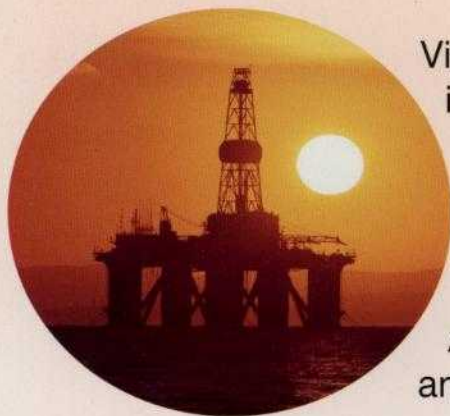




**API 6A & 6D EQUIPMENT**



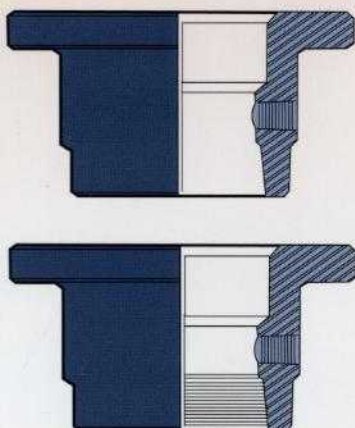
**API 6A PRODUCT  
CATALOG**



Virgo is an integrated manufacturer of Oilfield Equipment including API 6A and API 6D certified Gate Valves, Ball Valves, Check Valves, Needle Valves, Chokes, Wellheads, Wellhead Components and other speciality products. These are sold under the brand name 'Vi/Mtrol'.

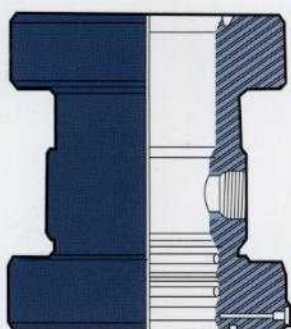
All equipment is inspected, tested and certified as per API and ISO Quality Programs.

## CASING HEADS



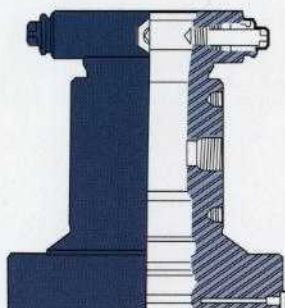
| ITEM | PART #   | C-22 CASING HEADS                                             |
|------|----------|---------------------------------------------------------------|
| 1    | 20-11301 | HD,CSG,C-22,11" 3M X 8 5/8" FEM LCSG 2 LPO LU-DD-PSL1-PR1-6A  |
| 2    | 20-11302 | HD,CSG,C-22,11" 3M X 8 5/8" SOW 2 LPO LU-DD-PSL1-PR1-6A       |
| 3    | 20-11303 | HD,CSG,C-22,11" 3M X 9 5/8" SOW 2 LPO LU-DD-PSL1-PR1-6A       |
| 4    | 20-11304 | HD,CSG,C-22,11" 3M X 9 5/8" FEM LCSG 2 LPO LU-DD-PSL1-PR1-6A  |
| 5    | 20-11300 | HD,CSG,C-22,11" 3M X BLK BTM, 2 LPO LU-DD-PSL1-PR1-6A         |
| 6    | 20-11501 | HD,CSG,C-22,11" 5M X 8 5/8" SOW, 2 LPO LU-DD-PSL1-PR1-6A      |
| 7    | 20-11502 | HD,CSG,C-22,11" 5M X 8 5/8" FEM LCSG 2 LPO LU-DD-PSL1-PR1-6A  |
| 8    | 20-11500 | HD,CSG,C-22,11" 5M X BLK BTM, 2 LPO LU-DD-PSL1-PR1-6A         |
| 9    | 20-11503 | HD,CSG,C-22,11" 5M X 9 5/8" FEM LCSG 2 LPO LU-DD-PSL1-PR1-6A  |
| 10   | 20-11504 | HD,CSG,C-22,11" 5M X 9 5/8" SOW, 2 LPO LU-DD-PSL1-PR1-6A      |
| 11   | 20-13301 | HD,CSG,C-22,13 5/8" 3M X 13 3/8" SOW, 2 LPO LU-DD-PSL1-PR1-6A |
| 12   | 20-13501 | HD,CSG,C-22,13 5/8" 5M X 13 3/8" SOW, 2 LPO LU-DD-PSL1-PR1-6A |

## CASING SPOOLS



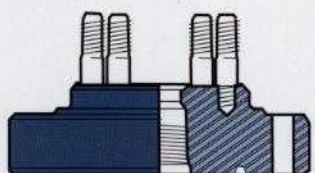
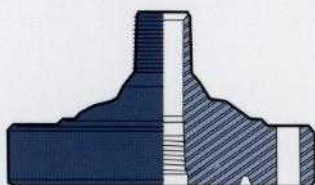
| ITEM | PART #   | CASING SPOOLS                                               |
|------|----------|-------------------------------------------------------------|
| 1    | 21-11301 | SPOOL, C-22-BG, CSG 11" 3M X 11"3M, LU-DD-PSL1-PR1-6A       |
| 2    | 21-11302 | SPOOL, C-22-BG, CSG 11" 3M X 11"5M, LU-DD-PSL1-PR1-6A       |
| 3    | 21-11303 | SPOOL, C-22-BG, CSG 11" 5M X 11"5M, LU-DD-PSL1-PR1-6A       |
| 4    | 21-11101 | SPOOL, C-22-BG, CSG 11" 5M X 11"10M, LU-DD-PSL1-PR1-6A      |
| 5    | 21-13501 | SPOOL, C-22-BG, CSG 13 5/8" 5M X 11" 10M, LU-DD-PSL1-PR1-6A |
| 6    | 21-13301 | SPOOL, C-22-BG, CSG 13 5/8" 3M X 11" 3M, LU-DD-PSL1-PR1-6A  |
| 7    | 21-13302 | SPOOL, C-22-BG, CSG 13 5/8" 3M X 11" 5M, LU-DD-PSL1-PR1-6A  |

## TUBING SPOOLS



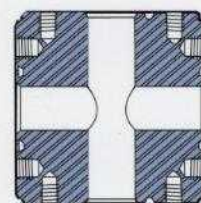
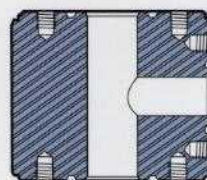
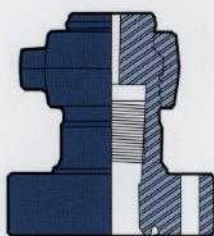
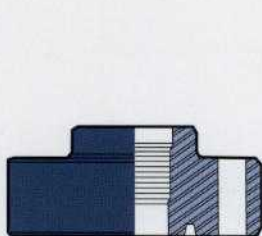
| ITEM | PART #   | TUBING SPOOLS                                           |
|------|----------|---------------------------------------------------------|
| 1    | 22-11701 | HEAD, TCM, TBG 11" 3M X 7 1/16" 3M, LU-DD-PSL1-PR1-6A   |
| 2    | 22-11702 | HEAD, TCM, TBG 11" 3M X 7 1/16" 5M, LU-DD-PSL1-PR1-6A   |
| 3    | 22-11703 | HEAD, TCM, TBG 11" 5M X 7 1/16" 5M, LU-DD-PSL1-PR1-6A   |
| 4    | 22-11704 | HEAD, TCM, TBG 11" 5M X 7 1/16" 10M, LU-DD-PSL1-PR1-6A  |
| 5    | 22-11705 | HEAD, TCM, TBG 11" 10M X 7 1/16" 10M, LU-DD-PSL1-PR1-6A |

## TUBING HEAD ADAPTERS



| ITEM | PART #   | TUBING HEAD ADAPTERS                                                 |
|------|----------|----------------------------------------------------------------------|
| 1    | 24-73101 | ADAPT, B-1, 7 1/16" 3M X 2 7/8" UPTBG M X F LU-DD-PSL1-PR1-6A        |
| 2    | 24-73201 | ADAPT, B-1, 7 1/16" 3M X 2 3/8" UPTBG M X F LU-DD-PSL1-PR1-6A        |
| 3    | 24-75101 | ADAPT, B-1, 7 1/16" 5M X 2 7/8" UPTBG M X F LU-DD-PSL1-PR1-6A        |
| 4    | 24-73301 | ADAPT, B-2P, 7 1/16" 3M X 2 9/16" 5M, 2 7/8" UPTBG LU-DD-PSL1-PR1-6A |
| 5    | 24-75301 | ADAPT, B-2P, 7 1/16" 5M X 2 1/16" 5M, 2 3/8" UPTBG LU-DD-PSL1-PR1-6A |
| 6    | 24-73311 | ADAPT, B-2P, 7 1/16" 3M X 2 1/16" 5M, 2 3/8" UPTBG LU-DD-PSL1-PR1-6A |
| 7    | 24-75311 | ADAPT, B-2P, 7 1/16" 5M X 2 9/16" 5M, 2 7/8" UPTBG LU-DD-PSL1-PR1-6A |
| 8    | 24-75411 | ADAPT, B-02, 7 1/16" 5M X 2 1/16" 5M, LU-DD-PSL1-PR1-6A              |
| 9    | 24-75491 | ADAPT, B-02, 7 1/16" 5M X 2 9/16" 5M, LU-DD-PSL1-PR1-6A              |
| 10   | 24-71421 | ADAPT, B-02, 7 1/16" 10M X 2 1/16" 10M, LU-DD-PSL1-PR1-6A            |
| 11   | 24-71491 | ADAPT, B-02, 7 1/16" 10M X 2 9/16" 10M, LU-DD-PSL1-PR1-6A            |

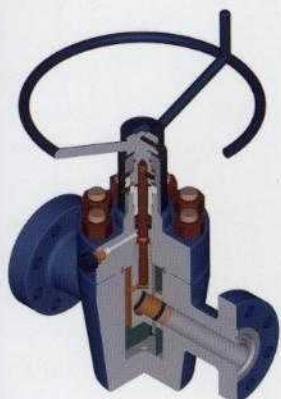
## TREE COMPONENTS



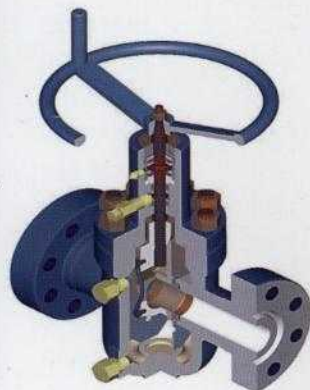
| ITEM | PART #    | TEE'S AND CROSSES                                                |
|------|-----------|------------------------------------------------------------------|
| 1    | 26-215201 | TEE, STD, 2 1/16" 5M RUN X 2 1/16" 5M OUT, LU-DD-PSL-1-PR1-6A    |
| 2    | 26-295201 | TEE, STD, 2 9/16" 5M RUN X 2 1/16" 5M OUT, LU-DD-PSL-1-PR1-6A    |
| 3    | 26-211101 | TEE, STD, 2 1/16" 10M RUN X 1 13/16" 10M OUT, LU-DD-PSL-1-PR1-6A |
| 4    | 26-291101 | TEE, STD, 2 9/16" 10M RUN X 1 13/16" 10M OUT, LU-DD-PSL-1-PR1-6A |
| 5    | 27-215201 | CROSS, STD, 2 1/16" 5M RUN X 2 1/16" 5M OUT, LU-DD-PSL-1-PR1-6A  |
| 6    | 27-295201 | CROSS, STD, 2 9/16" 5M RUN X 2 1/16" 5M OUT, LU-DD-PSL-1-PR1-6A  |
| 7    | 27-303301 | CROSS, STD, 3 1/8" 3M RUN X 3 1/8" 3M OUT, LU-DD-PSL-1-PR1-6A    |
| 8    | 27-403401 | CROSS, STD, 4 1/16" 3M RUN X 4 1/16" 3M OUT, LU-DD-PSL-1-PR1-6A  |
| 9    | 27-405401 | CROSS, STD, 4 1/16" 5M RUN X 4 1/16" 5M OUT, LU-DD-PSL-1-PR1-6A  |

| ITEM | PART #    | FLANGES AND BHTA'S (cont)                                |
|------|-----------|----------------------------------------------------------|
| 1    | 28-215101 | ADAPT, BHTA, 2 1/16" 5M X 2 3/8" UPTBG U-DD-PSL1-PR1-6A  |
| 2    | 28-295201 | ADAPT, BHTA, 2 9/16" 5M X 2 7/8" UPTBG U-DD-PSL1-PR1-6A  |
| 3    | 28-211101 | ADAPT, BHTA, 2 1/16" 10M X 2 3/8" UPTBG U-DD-PSL1-PR1-6A |
| 4    | 28-291201 | ADAPT, BHTA, 2 9/16" 10M X 2 7/8" UPTBG U-DD-PSL1-PR1-6A |
| 5    | 28-303301 | ADAPT, BHTA, 3 1/8" 3M X 3 1/2" UPTBG U-DD-PSL1-PR1-6A   |
| 6    | 28-305301 | ADAPT, BHTA, 3 1/8" 5M X 3 1/2" UPTBG U-DD-PSL1-PR1-6A   |
| 7    | 28-311301 | ADAPT, BHTA, 3 1/16" 10M X 3 1/2" UPTBG U-DD-PSL1-PR1-6A |
| 8    | 28-405401 | ADAPT, BHTA, 4 1/16" 5M X 4 1/2" UPTBG U-DD-PSL1-PR1-6A  |
| 9    | 28-411101 | ADAPT, BHTA, 4 1/16" 10M X 4 1/2" UPTBG U-DD-PSL1-PR1-6A |
| 10   | 29-215101 | FLG, COMP, 2 1/16" 5M X 2" LP, LU-DD-PSL-1PR-1-6A        |
| 11   | 29-295101 | FLG, COMP, 1 13/16" 10M X 2" LP, LU-DD-PSL-1PR-1-6A      |

## SLAB GATE VALVE



## EXPANDING GATE VALVE



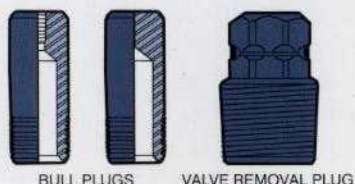
| ITEM | PART #    | 6A GATE VALVES                                                   |
|------|-----------|------------------------------------------------------------------|
| 1    | 25-212101 | GATE VLV, 2 1/16" 2M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 2    | 25-215101 | GATE VLV, 2 1/16" 5M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 3    | 25-295101 | GATE VLV, 2 9/16" 5M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 4    | 25-302101 | GATE VLV, 3 1/8" 2M, FE, T36, LU-DD-PSL1-PR1-6A                  |
| 5    | 25-303101 | GATE VLV, 3 1/8" 3M, FE, T36, LU-DD-PSL1-PR1-6A                  |
| 6    | 25-305101 | GATE VLV, 3 1/8" 5M, FE, T36, LU-DD-PSL1-PR1-6A                  |
| 7    | 25-402101 | GATE VLV, 4 1/16" 2M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 8    | 25-403101 | GATE VLV, 4 1/16" 3M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 9    | 25-405101 | GATE VLV, 4 1/16" 5M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 10   | 25-505101 | GATE VLV, 5 1/8" 5M, FE, T36, LU-DD-PSL1-PR1-6A                  |
| 11   | 25-702101 | GATE VLV, 7 1/16" 2M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 12   | 25-703101 | GATE VLV, 7 1/16" 3M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 13   | 25-705101 | GATE VLV, 7 1/16" 5M, FE, T36, LU-DD-PSL1-PR1-6A                 |
| 14   | 25-215201 | GATE VLV, 2 1/16" 3/5M, SE, 2" LP, T36, LU-DD-PSL1-PR1-6A        |
| 15   | 25-295201 | GATE VLV, 2 9/16" 3/5M, SE, 2 1/2" LP, T36, LU-DD-PSL1-PR1-6A    |
| 16   | 25-303201 | GATE VLV, 3 1/8" 3/5M, SE, 3" LP, T36, LU-DD-PSL1-PR1-6A         |
| 17   | 25-215301 | GATE VLV, 2 1/16" 3/5M, SE, 2 3/8" UPTBG, T36, LU-DD-PSL1-PR1-6A |
| 18   | 25-295301 | GATE VLV, 2 9/16" 3/5M, SE, 2 7/8" UPTBG, T36, LU-DD-PSL1-PR1-6A |
| 19   | 25-405301 | GATE VLV, 4 1/16" 3/5M, SE, 4 1/2" UPTBG, T36, LU-DD-PSL1-PR1-6A |
| 20   | 25-110101 | GATE VLV, SLB FC, 1 13/16" 10M, FE, T36, LU-DD-PSL2-PR1-6A       |
| 21   | 25-110102 | GATE VLV, SLB FC, 1 13/16" 10M, FE, T26, LU-FF-PSL2-PR1-6A       |
| 22   | 25-211101 | GATE VLV, SLB FC, 2 1/16" 10M, FE, T36, LU-DD-PSL2-PR1-6A        |
| 23   | 25-211102 | GATE VLV, SLB FC, 2 1/16" 10M, FE, T26, LU-FF-PSL2-PR1-6A        |
| 24   | 25-291101 | GATE VLV, SLB FC, 2 9/16" 10M, FE, T36, LU-DD-PSL2-PR1-6A        |
| 25   | 25-291102 | GATE VLV, SLB FC, 2 9/16" 10M, FE, T26, LU-FF-PSL2-PR1-6A        |
| 26   | 25-311101 | GATE VLV, SLB FC, 3 1/16" 10M, FE, T36, LU-DD-PSL2-PR1-6A        |
| 27   | 25-311102 | GATE VLV, SLB FC, 3 1/16" 10M, FE, T26, LU-FF-PSL2-PR1-6A        |
| 28   | 25-411101 | GATE VLV, SLB FC, 4 1/16" 10M, FE, T36, LU-DD-PSL2-PR1-6A        |
| 29   | 25-115101 | GATE VLV, 1 13/16" 15M, FE, T24, LU-EE-PSL2-PR1-6A               |
| 30   | 25-215101 | GATE VLV, 2 1/16" 15M, FE, T24, LU-EE-PSL2-PR1-6A                |
| 31   | 25-215102 | GATE VLV, 2 1/16" 15M, FE, T26, LU-FF-PSL2-PR1-6A                |
| 32   | 25-291501 | GATE VLV, 2 9/16" 15M, FE, T24, LU-EE-PSL2-PR1-6A                |
| 33   | 25-291502 | GATE VLV, 2 9/16" 15M, FE, T26, LU-FF-PSL2-PR1-6A                |
| 34   | 25-291503 | GATE VLV, 2 9/16" 15M, FE, PFA, T26, LU-FF-PSL2-PR1-6A           |
| 35   | 25-415101 | GATE VLV, 4 1/16" 15M, FE, T24, LU-EE-PSL2-PR1-6A                |
| 36   | 25-415102 | GATE VLV, 4 1/16" 15M, FE, T26, LU-FF-PSL2-PR1-6A                |

## CHOKES



| ITEM | PART #    | CHOKES                                                      |
|------|-----------|-------------------------------------------------------------|
| 1    | 30-215001 | CHOKE, POSITIVE, 2 1/16" 5M FE X 2" LP, LU-DD-PSL1-PR1-6A   |
| 2    | 30-215101 | CHOKE, ADJUSTABLE, 2 1/16" 5M FE X 2" LP, LU-DD-PSL1-PR1-6A |
| 3    | 30-215201 | CHOKE, POSITIVE, 2 1/16" 5M FE X FE, LU-DD-PSL1-PR1-6A      |
| 4    | 30-215301 | CHOKE, ADJUSTABLE, 2 1/16" 5M FE X FE, LU-DD-PSL1-PR1-6A    |
| 5    | 30-110101 | CHOKE, POSITIVE, 1 13/16" 10M FE X FE, LU-DD-PSL1-PR1-6A    |
| 6    | 30-110201 | CHOKE, ADJUSTABLE, 1 13/16" 10M FE X FE, LU-DD-PSL1-PR1-6A  |
| 7    | 30-210101 | CHOKE, POSITIVE, 2 1/16" 10M FE X FE, LU-DD-PSL1-PR1-6A     |
| 8    | 30-210201 | CHOKE, ADJUSTABLE, 2 1/16" 10M FE X FE, LU-DD-PSL1-PR1-6A   |
| 9    | 30-310101 | CHOKE, POSITIVE, 3 1/16" 10M FE X FE, LU-DD-PSL1-PR1-6A     |
| 10   | 30-310201 | CHOKE, ADJUSTABLE, 3 1/16" 10M FE X FE, LU-DD-PSL1-PR1-6A   |

## ACCESSORIES



| ITEM | PART NUMBER   | DESCRIPTION                                   | MATERIAL  |
|------|---------------|-----------------------------------------------|-----------|
| 1    | 12-BP21ST     | BULL PLUG, 2" LP, XXH, SOLID                  | STANDARD  |
| 2    | 12-BP22ST     | BULL PLUG, 2" LP, XXH, TPD 1/2" NPT           | STANDARD  |
| 3    | 12-BP23ST     | BULL PLUG, 2 3/8" 8RD, XXH, TPD 1/2" NPT      | STANDARD  |
| 4    | 12-BP27ST     | BULL PLUG, 2 7/8" 8RD, XXH, TPD 1/2" NPT      | STANDARD  |
| 5    | 12-N2LST      | PIPE NIPPLE, 2" LP, XXH                       | STANDARD  |
| 6    | 12-NV1210S-ST | NEEDLE VALVE, 0-10M 1/2" NPT, STRAIGHT        | STANDARD  |
| 7    | 12-NV1210A-ST | NEEDLE VALVE, 0-10M 1/2" NPT, ANGLE           | STANDARD  |
| 8    | 12-NV1210S-SS | NEEDLE VALVE, 0-10M 1/2" NPT, STRAIGHT        | STAINLESS |
| 9    | 12-NV1210A-SS | NEEDLE VALVE, 0-10M 1/2" NPT, ANGLE           | STAINLESS |
| 10   | 12-PG1203-LS  | PRESS. GAUGE, 0-3M, 1/2" NPT, LIQUID FILLED   | STAINLESS |
| 11   | 12-PG1206-LS  | PRESS. GAUGE, 0-6M, 1/2" NPT, LIQUID FILLED   | STAINLESS |
| 12   | 12-PG1210-LS  | PRESS. GAUGE, 0-10M, 1/2" NPT, LIQUID FILLED  | STAINLESS |
| 13   | 12-252LEFO-CS | EFO, 2 1/6" 5M X 2" LP, C/W 1 1/2" VR THREADS | STANDARD  |
| 14   | 12-VRP14-CS   | VR PLUG, 1 1/4", SOLID                        | STANDARD  |
| 15   | 12-VRP12-CS   | VR PLUG, 1 1/2", SOLID                        | STANDARD  |

## RING GASKETS

### METAL RING GASKETS

We carry a large inventory of API 6A MONOGRAMMED R-OVAL, BX, RX and Combination ring joint gaskets. To meet our customers' needs, all ring gaskets are available in low carbon steel and 316 stainless steel for differing service requirements. Petromec Flex-Tip test rings and other types of materials, available upon request.

#### API 6A MONOGRAMMED RING TYPE MATERIAL



OVAL

Low Carbon Steel  
Stainless Steel 316  
Rubber Coated



RX

Low Carbon Steel  
Stainless Steel 316



BX

Low Carbon Steel  
Stainless Steel 316  
Rubber Coated



COMBINATION

Low Carbon Steel  
Stainless Steel 316

| ITEM | PART NUMBER | GASKET SIZE & TYPE | MATERIAL  |
|------|-------------|--------------------|-----------|
| 1    | 10-RGO24CS  | R-24               | STANDARD  |
| 2    | 10-RGO24SS  | R-24               | STAINLESS |
| 3    | 10-RGO27CS  | R-27               | STANDARD  |
| 4    | 10-RGO27SS  | R-27               | STAINLESS |
| 5    | 10-RGO45CS  | R-45               | STANDARD  |
| 6    | 10-RGO45SS  | R-45               | STAINLESS |
| 7    | 10-RGO46CS  | R-46               | STANDARD  |
| 8    | 10-RGO46SS  | R-46               | STAINLESS |
| 9    | 10-RGO53CS  | R-53               | STANDARD  |
| 10   | 10-RGO54CS  | R-54               | STANDARD  |
| 11   | 10-RGO57CS  | R-57               | STANDARD  |
| 12   | 10-RGX24CS  | RX-24              | STANDARD  |
| 13   | 10-RGX27CS  | RX-27              | STANDARD  |
| 14   | 10-RGX45CS  | RX-45              | STANDARD  |
| 15   | 10-RGX46CS  | RX-46              | STANDARD  |
| 16   | 10-RGX54CS  | RX-54              | STANDARD  |
| 17   | 10-RG151CS  | BX-151             | STANDARD  |
| 18   | 10-RG151SS  | BX-151             | STAINLESS |
| 19   | 10-RG152CS  | BX-152             | STANDARD  |
| 20   | 10-RG152SS  | BX-152             | STAINLESS |
| 21   | 10-RG153CS  | BX-153             | STANDARD  |
| 22   | 10-RG153SS  | BX-153             | STAINLESS |
| 23   | 10-RG154CS  | BX-154             | STANDARD  |
| 24   | 10-RG155CS  | BX-155             | STANDARD  |
| 25   | 10-RG155SS  | BX-155             | STAINLESS |
| 26   | 10-RG156CS  | BX-156             | STANDARD  |
| 27   | 10-RG156SS  | BX-156             | STAINLESS |
| 28   | 10-RG157CS  | BX-157             | STANDARD  |
| 29   | 10-RG158CS  | BX-158             | STANDARD  |
| 30   | 10-RG159CS  | BX-159             | STANDARD  |
| 31   | 10-RG160CS  | BX-160             | STANDARD  |

# 6A PRODUCTS



---

## **Virgo Engineers Limited**

277, Hinjewadi Phase II, Maan (Mulshi),

Pune-411057, India

Phone : +91 20 66744000

Fax : +91 20 66744021

E-mail : [virgo@virgoengineers.com](mailto:virgo@virgoengineers.com)

[www.vintrol.com](http://www.vintrol.com)