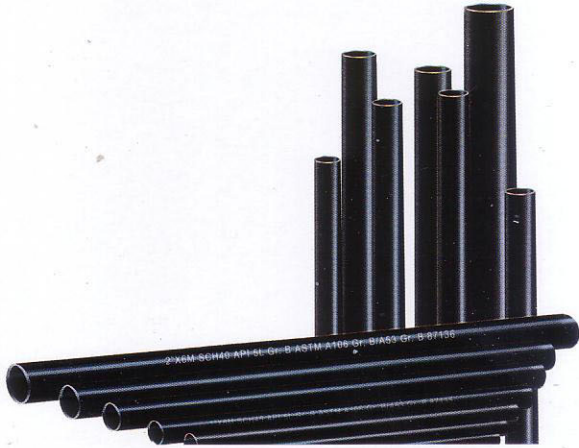


## PIPES

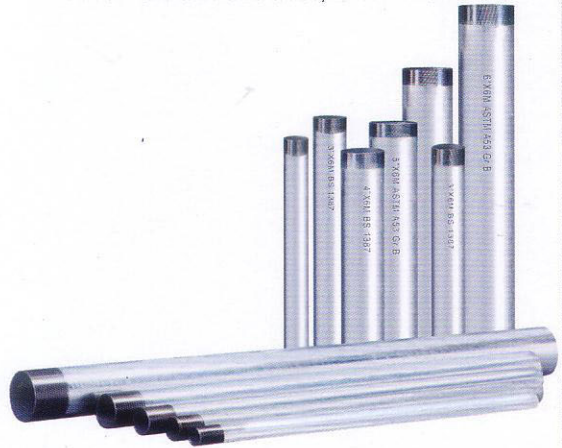
### SEAMLESS STEEL PIPE

SIZE: 1/2" ~ 28"  
DESCRIPTION: 1/2" ~ 2" PLAIN ENDS, 2-1/2" ~ 28" BEVEL ENDS  
THICKNESS: SCH40, STD, SCH80, SCH160, XS, XXS ETC  
MATERIAL: ASTM A106, ASTM A53, API 5L GR.B/X-42/X-52 ETC



### WELDED STEEL PIPE (GALV. & BLACK)

SIZE: 1/2" ~ 24"  
DESCRIPTION: CLASS A-1, A, B & C, SCH20, SCH40 & SCH80  
THREADED ENDS, PLAIN ENDS, BEVEL ENDS  
MATERIAL: BS1387:1985, ASTM A106, ASTM A53,  
API 5L GR.B/X-42/X-52/X-60, EN10219:1997



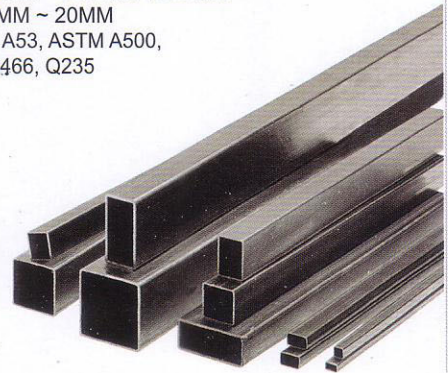
### SPIRAL STEEL PIPE

OUTER DIAMETER: 219MM ~ 3620MM,  
THICKNESS: 6MM ~ 40MM  
MATERIAL: ASTM A53, Q235



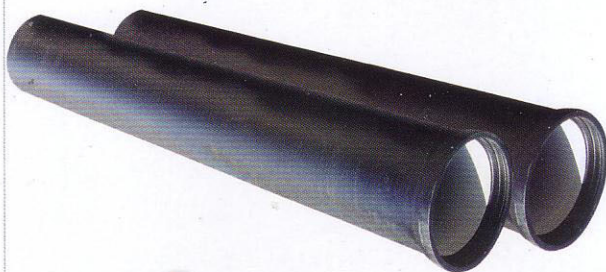
### SQUARE & RECTANGULAR PIPE

SIZE: 12MM X 12MM ~ 600MM X 600MM  
THICKNESS: 0.6MM ~ 20MM  
MATERIAL: ASTM A53, ASTM A500,  
JIS G3466, Q235



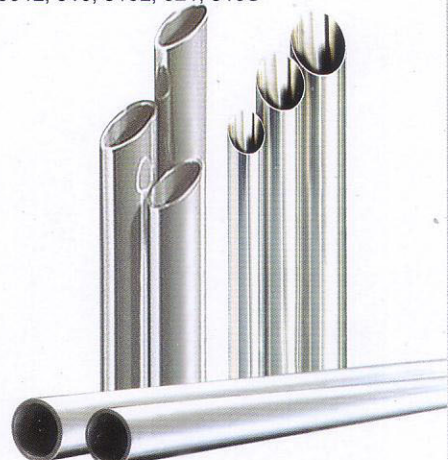
### DUCTILE IRON PIPE FITTING

SIZE: DN80 ~ DN2000  
STANDARD: ISO2531/EN545/BS4772/AWWAC110  
PRESSURE: PN10/16/25  
JOINT TYPE: FLANGED JOINT, SOCKET JOINT: T TYPE & K TYPE  
FINISHING: INTERNAL WITH CEMENT LINING  
EXTERNAL WITH ZINC AND BITUMEN PAINTING  
EPOXY COATING OR PAINTING



### STAINLESS STEEL PIPE

SIZE: 6MM ~ 530MM  
THICKNESS: 0.5MM ~ 20MM  
DESCRIPTION: ASTM A268/A268M-1996, ASTM A269-1996,  
ASTM 789/A759M-1995, ISO, DIN  
MATERIAL: 304, 304L, 316, 316L, 321, 310S





## STEEL PRODUCTS

### MILD STEEL ANGLE

SIZE: 20MM X 20MM ~ 250MM X 250MM  
(EQUAL ANGLE)  
SIZE: 75MM X 50MM ~ 200MM X 100MM  
(UNEQUAL ANGLE)  
MATERIAL: ASTM A36/JIS SS400/Q235

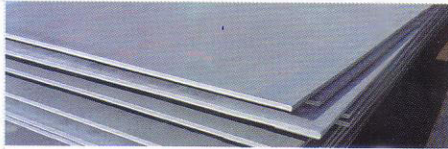


### STEEL WIRE ROD

SIZE: 5.5MM ~ 12MM  
MATERIAL: SAE1006, SAE1008, Q195, Q235

### MILD STEEL FLAT BAR

SIZE: 12MM X 3MM ~ 200MM X 36MM  
MATERIAL: ASTM A36/JIS SS400/Q235

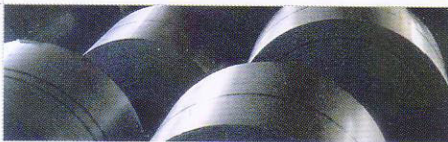
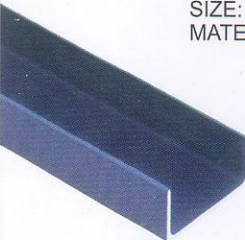


### HOT ROLLED PLATE

WIDTH: 510MM ~ 2000MM. THICKNESS: 5MM ~ 20MM  
WIDTH: 2000MM ~ 3000MM. THICKNESS: 14MM ~ 100MM  
MATERIAL: SS400, Q235B, Q345B

### CHANNELS

SIZE: 50MM X 25MM ~ 300MM X 90MM  
MATERIAL: ASTM A36/JIS SS400/Q235



### HOT ROLLED COIL

WIDTH: 1000MM ~ 2020MM. THICKNESS: 1.5MM ~ 24.5MM  
MATERIAL: Q235B, Q345B, SS400, SPHC, A36

### I BEAMS

SIZE: 100MM X 55MM ~ 270MM X 135MM(IPE)  
SIZE: 78MM X 45MM ~ 196.4MM X 100MM(IPEAA)  
MATERIAL: ASTM A36/JIS SS400/ST37/Q235

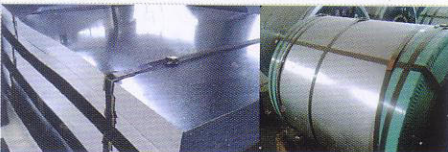
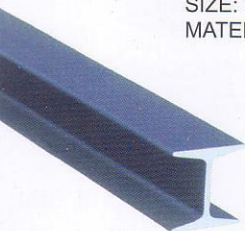


### COLD ROLLED COIL

WIDTH: 920MM ~ 1500MM. THICKNESS: 0.3MM ~ 3.0MM  
MATERIAL: DC01, SPCC, SPCD, SPCE, ST12, ST13, ST14, ST15, ST16, AYHS3

### H BEAMS

SIZE: 100MM X 100MM ~ 900MM X 300MM  
MATERIAL: ASTM A36/JIS SS400/Q235B



### HOT DIPPED GALVANIZED PLATE & COIL

WIDTH: 1000MM/1219MM/1250MM/1500MM  
THICKNESS: 0.3MM ~ 3.0MM  
MATERIAL: DX51D+Z/SGCC/A653 ETC

### DEFORMED STEEL BAR

SIZE: 8MM ~ 32MM  
MATERIAL: ASTM A-615 GR60, HRB335, HRB400



### HOT ROLLED CHEQUERED COILS/SHEETS(TEAR DROP)

WIDTH: 1010MM/1219MM/1250MM/1500MM  
THICKNESS: 2.0MM ~ 9.75MM  
MATERIAL: SS400/A36/Q235B



## FORGED FLANGES



### PLATE

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.5: CLASS150, CLASS300, CLASS600, CLASS900,  
BS4504: BS10, PN10, PN16, PN25, PN40

DIN: PN6, PN10, PN16, PN25, PN40

JIS: 5K, 10K, 16K, 40K

MATERIALS: ASTM A105, C22.8, ST37.2, SS304, 304L, SS316, 316L



### SLIP-ON

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.5: CLASS150, CLASS300, CLASS600, CLASS900,  
BS4504: BS10, PN10, PN16, PN25, PN40

DIN: PN6, PN10, PN16, PN25, PN40

JIS: 5K, 10K, 16K, 40K

MATERIALS: ASTM A105, C22.8, ST37.2, SS304, 304L, SS316, 316L



### WELD-NECK

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.5: CLASS150, CLASS300, CLASS600, CLASS900,  
BS4504: BS10, PN10, PN16, PN25, PN40

DIN: PN6, PN10, PN16, PN25, PN40

JIS: 5K, 10K, 16K, 40K

MATERIALS: ASTM A105, C22.8, ST37.2, SS304, 304L, SS316, 316L



### THREADED

SIZE: 1/2" ~ 12"

DESCRIPTIONS: ANSI B16.5: CLASS150, CLASS300, CLASS600, CLASS900,  
BS4504: BS10, PN10, PN16, PN25, PN40

DIN: PN6, PN10, PN16, PN25, PN40

JIS: 5K, 10K, 16K, 40K

THREADING: BSPT & NPT

MATERIALS: ASTM A105, C22.8, ST37.2, SS304, 304L, SS316, 316L



### BLIND

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.5: CLASS150, CLASS300, CLASS600, CLASS900,  
BS4504: BS10, PN10, PN16, PN25, PN40

DIN: PN6, PN10, PN16, PN25, PN40

JIS: 5K, 10K, 16K, 40K

MATERIALS: ASTM A105, C22.8, ST37.2, SS304, 304L, SS316, 316L



### SOCKET-WELD

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.5, CLASS150, CLASS300, CLASS600, CLASS900

MATERIALS: ASTM A105, C22.8, ST37.2, SS304, 304L, SS316, 316L





## BUTT-WELDED SEAMLESS PIPE FITTINGS



### ELBOW 90°

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI & ASME B16.9 & B16.28 ASTM A234 WPB  
DIN 2605, 2615, 2616, 2617 & JIS B2311 SGP

MATERIALS: ASTM A234, SS304, 304L, SS316, 316L



### ELBOW 45°

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.9 & B16.28 ASTM A234 WPB  
DIN & SGP

MATERIALS: ASTM A234, SS304, 304L, SS316, 316L



### TEE

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.9 & B16.28 ASTM A234 WPB  
DIN & SGP

MATERIALS: ASTM A234, SS304, 304L, SS316, 316L



### CAP

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.9 & B16.28 ASTM A234 WPB  
DIN & SGP

MATERIALS: ASTM A234, SS304, 304L, SS316, 316L



### REDUCING TEE

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.9 & B16.28 ASTM A234 WPB  
DIN & SGP

MATERIALS: ASTM A234, SS304, 304L, SS316, 316L



### CONCENTRIC REDUCER

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.9 & B16.28 ASTM A234 WPB  
DIN & SGP

MATERIALS: ASTM A234, SS304, 304L, SS316, 316L



### ECCENTRIC REDUCER

SIZE: 1/2" ~ 56"

DESCRIPTIONS: ANSI B16.9 & B16.28 ASTM A234 WPB  
DIN & SGP

MATERIALS: ASTM A234, SS304, 304L, SS316, 316L



## CAST STEEL VALVE



### GATE VALVE

SIZE: 2" ~ 48"  
MATERIAL: A216 WCB  
STANDARD: API 600/API 6D ANSI CLASS 150 TO 1500  
BS5150. BS5163. BS3464. BS1218. PN6. PN10. PN16. PN25. PN40  
DIN 3352-F4. DIN3352-F5. DIN3202-F1 PN10. PN16. PN25. PN40  
JIS 5K. JIS 10K. JIS 16K



### GLOBE VALVE

SIZE: 2" ~ 48"  
MATERIAL: A216 WCB  
STANDARD: API 600/API 6D ANSI CLASS 150 TO 1500  
BS5150. BS5163. BS3464. BS1218. PN6. PN10. PN16. PN25. PN40  
DIN 3352-F4. DIN3352-F5. DIN3202-F1 PN10. PN16. PN25. PN40  
JIS 5K. JIS 10K. JIS 16K



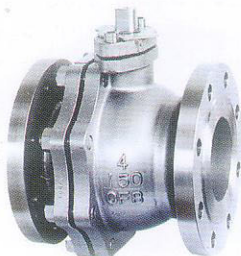
### CHECK VALVE

SIZE: 2" ~ 48"  
MATERIAL: A216 WCB  
STANDARD: API 600/API 6D ANSI CLASS 150 TO 1500  
BS5150. BS5163. BS3464. BS1218. PN6. PN10. PN16. PN25. PN40  
DIN 3352-F4. DIN3352-F5. DIN3202-F1 PN10. PN16. PN25. PN40  
JIS 5K. JIS 10K. JIS 16K



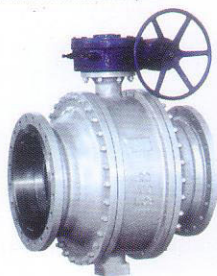
### Y STRAINER

SIZE: 2" ~ 48"  
MATERIAL: A216 WCB  
STANDARD: API 600/API 6D ANSI CLASS 150 TO 1500  
BS5150. BS5163. BS3464. BS1218. PN6. PN10. PN16. PN25. PN40  
DIN 3352-F4. DIN3352-F5. DIN3202-F1 PN10. PN16. PN25. PN40  
JIS 5K. JIS 10K. JIS 16K



### BALL VALVE

SIZE: 2" ~ 48"  
MATERIAL: A216 WCB  
STANDARD: API 600/API 6D ANSI CLASS 150 TO 1500  
BS5150. BS5163. BS3464. BS1218. PN6. PN10. PN16. PN25. PN40  
DIN 3352-F4. DIN3352-F5. DIN3202-F1 PN10. PN16. PN25. PN40  
JIS 5K. JIS 10K. JIS 16K



### TRUNNION MOUNTED BALL VALVE

SIZE: 2" ~ 48"  
MATERIAL: A216 WCB  
STANDARD: API 600/API 6D ANSI CLASS 150 TO 1500  
BS5150. BS5163. BS3464. BS1218. PN6. PN10. PN16. PN25. PN40  
DIN 3352-F4. DIN3352-F5. DIN3202-F1 PN10. PN16. PN25. PN40  
JIS 5K. JIS 10K. JIS 16K





## CAST IRON VALVE



NON RISING STEM GATE VALVE



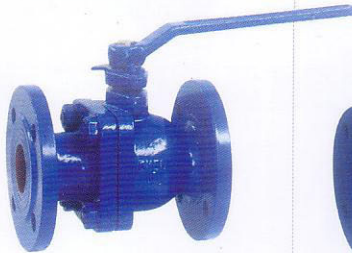
RISING STEM GATE VALVE



GLOBE VALVE



GLOBE VALVE DIN 3202-F1



BALL VALVE



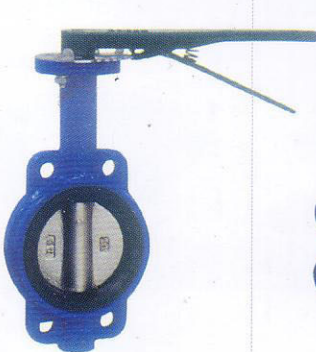
CHECK VALVE



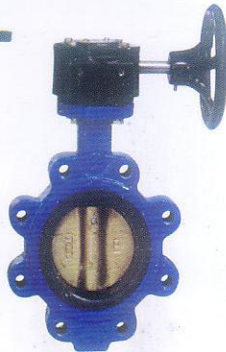
Y STRAINER



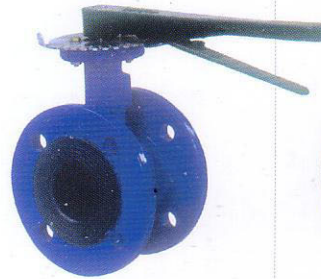
FOOT VALVE



BUTTERFLY VALVE(WAFER TYPE)



BUTTERFLY VALVE(LUG TYPE)



BUTTERFLY VALVE(FLANGE TYPE)



CHECK VALVE(WAFER TYPE)



NON RISING STEM RESILIENT SOFT SEAT



RISING STEM RESILIENT SOFT SEAT



UNIVERSAL FLANGE ADAPTOR




UNIVERSAL COUPLING

SIZE: 2" ~ 48" MATERIAL: GG25 GGG50

STANDARD: API 600/API 6D ANSI CLASS 150, CLASS 300 BS5150, BS5163, BS3464, BS1218, PN6, PN10, PN16, PN25  
DIN3352-F4, DIN3352-F5, DIN3202-F1 PN10, PN16, PN25 JIS 5K, JIS 10K, JIS 16K



## 'HG' BRAND MALLEABLE IRON PIPE FITTINGS

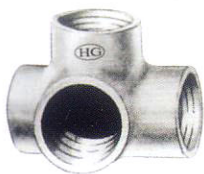
|   |   |  |   |
|---|---|--|---|
|    |    |    |    |
| NO. 1   | NO. 2   | NO. 3  | NO. 40  |
|    |    |    |    |
| NO. 41  | NO. 42  | NO. 1090   | NO. 1090R   |
|   |   |   |   |
| NO. 90  | NO. 90R   | NO. 1092   | NO. 92  |
|  |  |  |  |
| NO. 1120  | NO. 120   | NO. 1130   | NO. 1130R   |
|  |  |  |  |
| NO. 130   | NO. 130R  | NO. 1180   | NO. 1180R   |
|  |  |  |  |
| NO. 180   | NO. 180R  | NO. 1221   | NO. 221   |

AMERICAN STANDARD; BRITISH STANDARD; EN STANDARD  
 THREADS: ANSI/ASME B1 20.1-1983; BS 21:1985; DIN 2999  
 SIZE AVAILABLE: 1/8" ~ 6"





## 'HG' BRAND MALLEABLE IRON PIPE FITTINGS



NO. 1223



NO. 223



NO. 1240



NO. 240



NO. 241



NO. 1270



NO. 270



NO. 280



NO. 290



NO. 291



NO. 301



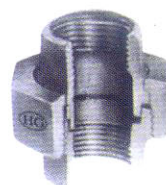
NO. 310



NO. 321



NO. 320



NO. 330



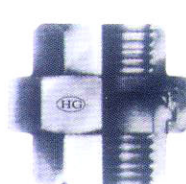
NO. 331



NO. 340



NO. 341



NO. 342



NO. 529



NO. 529a



NO. 85



NO. 245



NO. 121

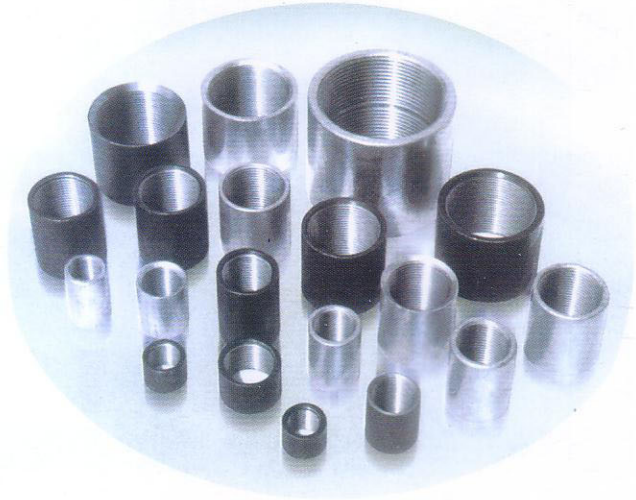
AMERICAN STANDARD; BRITISH STANDARD; EN STANDARD  
THREADS:ANSI/ASME B1 20.1-1983; BS21:1985; DIN2999  
SIZE AVAILABLE:1/8" ~ 6"



## STEEL SOCKET & NIPPLE

### SOCKET / COUPLING

AMERICAN STANDARD: ANSI/ASTM A120  
BRITISH STANDARD: BS EN10241  
DIN STANDARD: DIN2986



### STEEL PIPE NIPPLES

AMERICAN STANDARD: ASTM A733  
PIPE: ASTM A53, A120, A312, TP304  
THREAD: ANSI B1.20.1  
BRITISH STANDARD: BS EN10241  
PIPE: BS1387  
THREAD: ISO 7/1, BS21  
DIN STANDARD: DIN2982  
PIPE: DIN2440  
THREAD: DIN2999









### PIPE NIPPLES

KING NIPPLES, PIPE HOSE, BENDS





## HIGH PRESSURE FORGED FITTINGS

|   |   |   |  |   |   |
|---|---|---|--|---|---|
|    |    |    |    |    |    |
| 90° ELBOW<br>(SOCKET WELDING)   | 45° ELBOW<br>(SOCKET WELDING)   | TEE<br>(SOCKET WELDING)   | CROSS<br>(SOCKET WELDING)  | UNION<br>(SOCKET WELDING)   | COUPLING<br>(SOCKET WELDING)  |
|    |    |    |    |    |    |
| HALF-COUPLING<br>(SOCKET WELDING)   | OUTLET<br>(SOCKET WELDING)  | 90° ELBOW<br>(THREADED)   | 45° ELBOW<br>(THREADED)  | TEE<br>(THREADED)   | CROSS<br>(THREADED)   |
|    |    |    |    |   |   |
| STREET ELBOW<br>(THREADED)  | UNION<br>(THREADED)   | COUPLING<br>(THREADED)  | HALF-COUPLING<br>(THREADED)  | HEXAGONAL HEAD<br>BUSHING(THREADED)   | HEXAGONAL HEAD<br>PLUG(THREADED)  |
|  |  |  |  |  |  |
| SQUARE HEAD PLUG<br>(THREADED)  | ROUND HEAD BUSHING<br>(THREADED)  | HEXAGONAL NIPPLE<br>(THREADED)  | OUTLET<br>(THREADED)   | CONCENTRIC SWAGED<br>NIPPLE(THREADED)   | OUTLET  |

ANSI/ASME B16.11/MSSSP79/83/95/97/BS3799/JIS2316ETC  
1/8" ~ 4" (DN6-DN100) 2000LB 3000LB 6000LB 9000LB (SCH40 SCH80/XS SCH160/XXS)  
CARBON STEEL: ASTM A105 STAINLESS STEEL: ASTM A182 F304/F304L/F316/F316L/F321  
ALLOY STEEL: ASTM A182 F5/F9/F11/F2A350LF2

## RUBBER JOINT



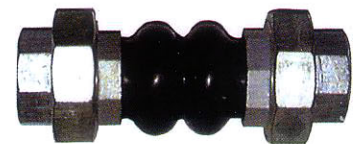
**RUBBER JOINT SINGLE**  
SIZE: 1-1/2" ~ 12"  
STANDARD: ANSI DIN BS  
MATERIAL: CARBON STEEL  
PRESSURE: PN6 ~ PN40  
150LB ~ 300LB



**RUBBER JOINT DOUBLE**  
SIZE: 1-1/2" ~ 12"  
STANDARD: ANSI DIN BS  
MATERIAL: CARBON STEEL  
PRESSURE: PN6 ~ PN40  
150LB ~ 300LB



**COMPENSATOR**  
SIZE: 1-1/2" ~ 12"  
STANDARD: ANSI DIN BS  
MATERIAL: CARBON STEEL  
PRESSURE: PN6 ~ PN40



**RUBBER JOINT UNION**  
SIZE: 1" ~ 6"  
STANDARD: ANSI DIN BS  
MATERIAL: MALLEABLE STEEL  
PRESSURE: PN6 ~ PN40



## STAINLESS STEEL PIPE FITTINGS (THREAD)

|   |   |   |   |   |
|---|---|---|---|---|
|    |    |    |     |    |
| ELBOW 90°   | REDUCING ELBOW  | ELBOW 45°   | STREET ELBOW M & F  | HOSE NIPPLE   |
|    |    |    |     |    |
| TEE   | REDUCING TEE  | CROSSES   | SOCKET BANDED   | COUPLINGS O.D   |
|   |   |   |    |   |
| HEXAGON NIPPLES   | REDUCING SOCKET   | ADAPTERS  | HEXAGON CAP   | ROUND CAP   |
|  |  |  |   |  |
| HEXAGON BUSHING   | SQUARE PLUG   | REDUCING NIPPLE   | HEXAGON PLUG  | HEXAGON NUT   |
|  |  |  |   |  |
| CONICAL UNION F/F 1   | CONICAL UNION F/F 2   | UNIONS CONICAL M/F  | UNIONS FLAT M/F   | UNIONS FLAT F/F   |
|  |  |  |  |  |
| UNIONS CONICAL B/W  | UNIONS CONICAL F/BW   | (KING) HOSE NIPPLE  | HOSE NIPPLE   | PIPE NIPPLE   |

AMERICAN STANDARD; BRITISH STANDARD; DIN STANDARD; EN STANDARD  
 THREADS:ANSI/ASME B1 20.1-1983; BS21:1985; DIN2999  
 SIZE AVAILABLE:1/4" ~ 6" MATERIAL:ASTMA182 304/304L/316/316L



## STAINLESS STEEL BUTE WELDED FITTINGS & VALVES





























MATERIAL: SS304 & SS316

|   |   |  |  |   |
|---|---|--|--|---|
|    |    |     |    |    |
| ELBOW 90° L/R   | TEE   | REDUCER  | CAP  | ELBOW 180°  |
|    |    |     |    |    |
| ELBOW (POLISH)  | TEE (POLISH)  | REDUCER (POLISH)   | CROSS (POLISH)   | STUBE   |
|  |   |    |  |  |
| WELDING UNION   | WELD BUTTERFLY VALVE  | SANITATION GRADE EXTERNAL SCREW BUTTERFLY VALVE                                      | SANITATION GRADE QUICK-INSTALLMENT SWING ADAPTER                                     | SANITATION CHECK VALVE  |
|  |  |  |  |  |
| 1-PC BALL VALVE   | 2-PC BALL VALVE   | 3-PC BALL VALVE  | REVOLVE-OPEN TYPE CHECK VALVE  | GATE VALVE  |
|  |  |   |  |  |
| 2-PC CARBON STEEL BALL VALVE  | 3-PC CARBON STEEL BALL VALVE  | FLANGED BALL VALVE   | Y-STRAINER   | PNEUMATIC FLANGED BALL VALVE  |



## GROOVED COUPLINGS AND FITTINGS



|   |   |  |   |
|---|---|--|---|
|    |    |    |    |
| LIGHT DUTY RIGID COUPLING<br>(300PSI/2.1MPa)  | LIGHT DUTY FLEXIBLE COUPLING<br>(300PSI/2.1MPa)                                     | RIGID COUPLING<br>(500PSI/3.45MPa)   | FLEXIBLE COUPLING<br>(500PSI/3.45MPa)   |
|    |    |    |    |
| HEAVY DUTY RIGID COUPLING<br>(750PSI/5.2MPa)  | HEAVY DUTY FLEXIBLE COUPLING<br>(750PSI/5.2MPa)                                     | REDUCING COUPLING<br>(300PSI/2.1MPa)   | MECHANICAL TEE<br>(GROOVED)(300PSI/2.1MPa)  |
|    |    |    |    |
| MECHANICAL TEE<br>(THREADED)(300PSI/2.1MPa)   | U-BOLTED MECHANICAL TEE<br>(THREADED)(300PSI/2.1MPa)                                | 90° ELBOW (L/R & S/R)  | 45° ELBOW (L/R & S/R)   |
|   |   |   |   |
| 22.5° ELBOW (L/R & S/R)   | 11.25° ELBOW (L/R & S/R)  | EQUAL TEE  | REDUCING TEE(GROOVED)   |
|  |  |  |  |
| REDUCING TEE(THREADED)  | EQUAL CROSS   | REDUCING CROS(THREADED)  | REDUCING CROSS(GROOVED)   |
|  |  |  |  |
| REDUCER(GROOVED)  | REDUCER(THREADED)   | CAP  | ECCENTRIC THREADED CAP  |
|  |  |  |  |
| FLANGE 150LB(GROOVED)   | FLANGE 150LB(THREADED)  | FLANGE ADAPTOR 150LB   | FLANGE ADAPTOR ANSI 150LB   |

HOUSING SEGMENTS: ASTM A 536 GRADE 65-45-12  
BOLTS: ASTM A183, ASTM A446      NUTS: ASTM A194  
GASKET RING: EPDM/SILICON RUBBER/NITRILE RUBBER



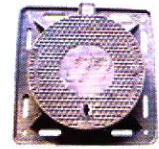
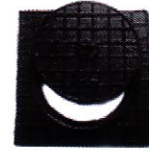
## CASTING PRODUCTS



MANHOLE COVER



MANHOLE COVER



MANHOLE COVER



BENCH



CHAIR & TABLE



BENCH



WATER BASIN



FLOWER POT



POST BOX



FIRE PLACE



STOVE



ACCESSORIES OF CAST IRON STOVE



LIGHT POLE



ROAD STAKE



ROAD STAKE

