

| Size Range | Long Description (Family) | Short Description | Material | Material Code | End Type | Facin g | Pressure Class | Sche dule | Design Std | Design Pressure Factor | Manufa cturer |
|--------------|--|-----------------------|---------------|---------------|---------------|---------|----------------|-----------|------------|------------------------|---------------|
| 10 - 1200 | BLIND FLANGE | Blind Flange | CS/PP COATING | P235GH | FL | B1 | 10 | | Type 5 | 10 | |
| 3" - 210in | BOLT SET, MACHINE LUG BOLT | BOLT SET | EN 20898-1 | Fil ASME B1.1 | | RF | 16 | | | | |
| 1/2" - 210in | BOLT SET, MACHINE BOLT | BOLT SET | EN 20898-1 | Fil ASME B1.1 | | RF | 25 | | | | |
| 1/2" - 210in | BOLT SET, MACHINE BOLT | BOLT SET | EN 20898-1 | Fil ASME B1.1 | | RF | 16 | | | | |
| 3" - 210in | BOLT SET, MACHINE LUG BOLT | BOLT SET | EN 20898-1 | Fil ASME B1.1 | | RF | 25 | | | | |
| 1/2" - 210in | BOLT SET, MACHINE BOLT | BOLT SET | EN 20898-1 | Fil ASME B1.1 | | RF | 10 | | | | |
| 3" - 210in | BOLT SET, MACHINE LUG BOLT | BOLT SET | EN 20898-1 | Fil ASME B1.1 | | RF | 10 | | | | |
| 15 - 400 | BRANCH SADDLE | BRANCH SADDLE | HDPE | PE100 | Univer sal_ET | | | | SDR17 | 10 | |
| 32 - 300 | BRANCH SADDLE | BRANCH SADDLE | HDPE | PE100 | Univer sal_ET | | | | SDR11 | 16 | |
| 20 - 400 | END CAP, SDR7.4 | CAP | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | |
| 20 - 400 | END CAP | CAP | HDPE | PE100 | SPIG | | | | SDR17 | 10 | |
| 25 - 300 | ELECTROFUSION CAP | CAP | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 20 - 400 | ELECTROFUSION CAP, SDR11 | CAP | HDPE | PE100 | SPIG | | | | SDR11 | 16 | |
| 20 - 400 | END CAP, SDR11 | CAP | HDPE | PE100 | SPIG | | | | SDR11 | 16 | |
| 20 - 400 | END CAP, SDR17 | CAP | HDPE | PE100 | SPIG | | | | SDR17 | 10 | |
| 50 - 150 | CROSS | CROSS | HDPE | PE100 | SPIG | | | | SDR17 | 10 | TME |
| 50 - 150 | CROSS | CROSS | HDPE | PE100 | SPIG | | | | SDR17 | 10 | |
| 50 - 150 | CROSS | CROSS | HDPE | PE100 | SPIG | | | | SDR11 | 16 | |
| 25 - 100 | TRANSITION ELECTROFUSION ELBOW 45° PE/BRASS MALE | ELBOW 45 | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 25 - 300 | ELECTROFUSION ELBOW 45° | ELBOW 45 | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 25 - 300 | ELECTROFUSION ELBOW 45° | ELBOW 45 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | |
| 25 - 300 | ELBOW 45° LONG SPIGOT | ELBOW 45 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | |
| 25 - 300 | ELBOW 45° LONG SPIGOT | ELBOW 45 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | |
| 25 - 300 | ELBOW 45° LONG SPIGOT | ELBOW 45 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | TME |
| 25 - 100 | TRANSITION ELECTROFUSION ELBOW 45° PE/BRASS FEMALE | ELBOW 45 | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 25 - 300 | ELBOW 45° LONG SPIGOT | ELBOW 45 | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | |
| 20 - 300 | ELECTROFUSION ELBOW 90° | ELBOW 90 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | |
| 15 - 100 | TRANSITION ELECTROFUSION ELBOW 90° PE/BRASS FEMALE | ELBOW 90 | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 15 - 100 | TRANSITION ELECTROFUSION ELBOW 90° PE/BRASS MALE | ELBOW 90 | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 20 - 300 | ELBOW 90° LONG SPIGOT | ELBOW 90 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | |
| 20 - 300 | ELBOW 90° LONG SPIGOT | ELBOW 90 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | |
| 20 - 300 | ELBOW 90° LONG SPIGOT | ELBOW 90 | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | |
| 15 - 300 | ELECTROFUSION ELBOW 90° | ELBOW 90 | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 20 - 300 | ELBOW 90° LONG SPIGOT | ELBOW 90 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | |
| 15 - 400 | ELECTROFUSION COUPLER | ELECTROFUSION COUPLER | HDPE | PE100 | PSW | | | | SDR17 | 10 | |
| 15 - 400 | ELECTROFUSION COUPLER | ELECTROFUSION COUPLER | HDPE | PE100 | PSW | | | | SDR17 | 10 | |
| 80 - 300 | ELECTROFUSION COUPLER | ELECTROFUSION COUPLER | HDPE | PE100 | PSW | | | | SDR7.4 | 25 | |
| 15 - 100 | TRANSITION ELECTROFUSION COUPLER PE/BRASS MALE | ELECTROFUSION COUPLER | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 15 - 400 | ELECTROFUSION COUPLER | ELECTROFUSION COUPLER | HDPE | PE100 | PSW | | | | SDR11 | 16 | |
| 15 - 100 | TRANSITION ELECTROFUSION COUPLER PE/BRASS FEMALE | ELECTROFUSION COUPLER | HDPE | PE100 | PSW | | | | SDR11 | 16 | |

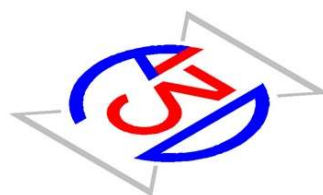


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|-----------|---|-------------------|-----------------|--------|----------------------|----|-----|--|---------------|----|--|--|
| 20 - 400 | STEEL FLANGE, SDR7.4, EN1092-1 | FLANGE | STAINLESS STEEL | | FL | RF | 25 | | SDR7.4 | 25 | | |
| 20 - 400 | STEEL FLANGE, SDR11, EN1092-1 | FLANGE | STAINLESS STEEL | | FL | RF | 16 | | SDR11 | 16 | | |
| 15 - 400 | STEEL FLANGE, 150LB, ASME 16.5 | FLANGE | STAINLESS STEEL | | FL | RF | 16 | | | | | |
| 20 - 400 | STEEL FLANGE, SDR17, EN1092-1 | FLANGE | STAINLESS STEEL | | FL | RF | 10 | | SDR17 | 10 | | |
| 15 - 400 | FLAT FLANGE | FLANGE | CS/HDPE | P245GH | FL | B1 | 10 | | TYPE-0 1 A | 10 | | |
| 15 - 400 | GASKET FLAT | GASKET | NEOPRENE | | Undefi ned_E T | RF | 16 | | | | | |
| 15 - 400 | GASKET FLAT | GASKET | NEOPRENE | | Undefi ned_E T | B1 | 10 | | | | | |
| 15 - 400 | CANVAS GASKET RF | GASKET | RUBBER | | Undefi ned_E T | RF | 150 | | | | | |
| 15 - 400 | GASKET FLAT | GASKET | NEOPRENE | | Undefi ned_E T | RF | 10 | | | | | |
| 15 - 400 | CANVAS GASKET | GASKET | RUBBER | | Undefi ned_E T | RF | 150 | | | | | |
| 15 - 400 | GASKET FLAT | GASKET | NEOPRENE | | Undefi ned_E T | RF | 25 | | | | | |
| 25 - 400 | PIPE PE100 SDR17 | PIPE | HDPE | PE100 | PPL | | | | SDR17 | 10 | | |
| 10 - 400 | PIPE PE100, PE, SDR17 | PIPE | HDPE | PE100 | PPL | | | | SDR17 | 10 | | |
| 15 - 400 | PIPE PE100 SDR7.4 | PIPE | HDPE | PE100 | PPL | | | | SDR7.4 | 25 | | |
| 15 - 400 | PIPE PE100 SDR11 | PIPE | HDPE | PE100 | PPL | | | | SDR11 | 16 | | |
| 250 - 400 | REDUCER SHORT SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 250 - 400 | REDUCER SHORT SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 25 - 300 | REDUCER LONG SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 20 - 200 | ELECTROFUSION REDUCER | REDUCER | HDPE | PE100 | PSW | | | | SDR11 | 16 | | |
| 250 - 400 | REDUCER SHORT SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 25 - 300 | REDUCER LONG SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 25 - 300 | REDUCER LONG SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 25 - 300 | REDUCER LONG SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 250 - 400 | REDUCER SHORT SPIGOT | REDUCER | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 40 - 300 | REDUCER TEE 90° LONG SPIGOT | REDUCER TEE | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 80 - 300 | REDUCER TEE 90° LONG SPIGOT INJECTION MOULDED | REDUCER TEE | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 80 - 300 | REDUCER TEE 90° LONG SPIGOT INJECTION MOULDED | REDUCER TEE | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 40 - 300 | REDUCER TEE 90° LONG SPIGOT | REDUCER TEE | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 40 - 400 | REDUCER TEE 90° LONG SPIGOT | REDUCER TEE | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 40 - 300 | REDUCER TEE 90° LONG SPIGOT | REDUCER TEE | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 150 - 400 | SEGMENTED BEND 30°, SPIG | SEGMENTED BEND 30 | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 150 - 400 | SEGMENTED BEND 30°, SPIG | SEGMENTED BEND 30 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 150 - 400 | SEGMENTED BEND 30°, SPIG | SEGMENTED BEND 30 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 150 - 400 | SEGMENTED BEND 30°, SPIG | SEGMENTED BEND 30 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 150 - 400 | SEGMENTED BEND 45°, SPIG | SEGMENTED BEND 45 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |



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|-----------|--|-------------------|------|-------|------|--|--|--|--------|----|--|--|
| 150 - 400 | SEGMENTED BEND 45°, SPIG | SEGMENTED BEND 45 | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 150 - 400 | SEGMENTED BEND 45°, SPIG | SEGMENTED BEND 45 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 150 - 400 | SEGMENTED BEND 45°, SPIG | SEGMENTED BEND 45 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 150 - 400 | SEGMENTED BEND 60°, SPIG | SEGMENTED BEND 60 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 150 - 400 | SEGMENTED BEND 60°, SPIG | SEGMENTED BEND 60 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 150 - 400 | SEGMENTED BEND 60°, SPIG | SEGMENTED BEND 60 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 150 - 400 | SEGMENTED BEND 60°, SPIG | SEGMENTED BEND 60 | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 150 - 400 | SEGMENTED BEND 90°, SPIG | SEGMENTED BEND 90 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 150 - 400 | SEGMENTED BEND 90°, SPIG | SEGMENTED BEND 90 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 150 - 400 | SEGMENTED BEND 90°, SPIG | SEGMENTED BEND 90 | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 150 - 400 | SEGMENTED BEND 90°, SPIG | SEGMENTED BEND 90 | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 50 - 400 | STUB FLANGE, HDPE PE100, SHORT SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR11 | 16 | | |
| 50 - 400 | STUB FLANGE, HDPE PE100, SHORT SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR7.4 | 25 | | |
| 20 - 400 | STUB FLANGE, HDPE PE100, LONG SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR7.4 | 25 | | |
| 20 - 400 | STUB FLANGE, HDPE PE100, LONG SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR11 | 16 | | |
| 20 - 400 | STUB FLANGE, HDPE PE100, LONG SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR17 | 10 | | |
| 50 - 400 | STUB FLANGE, HDPE PE100, SHORT SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR17 | 10 | | |
| 20 - 400 | STUB FLANGE, HDPE PE100, LONG SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR17 | 10 | | |
| 50 - 400 | STUB FLANGE, HDPE PE100, SHORT SPIGOT | STUB END | HDPE | PE100 | LAP | | | | SDR17 | 10 | | |
| 50 - 400 | STUB FLANGE, HDPE PE100, SHORT SPIGOT-RF | STUB END | HDPE | PE100 | LAP | | | | SDR7.4 | 25 | | |
| 20 - 400 | STUB FLANGE, HDPE PE100, LONG SPIGOT-RF | STUB END | HDPE | PE100 | LAP | | | | SDR7.4 | 25 | | |
| 32 - 32 | TAPPING TEE SADDLE | TAPPING-TEE | HDPE | PE100 | ELF | | | | SDR11 | 16 | | |
| 20 - 400 | TEE 90° LONG SPIGOT | TEE | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 350 - 400 | TEE 90° REINFORCED | TEE | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 10 - 400 | TEE 90° LONG SPIGOT | TEE | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 20 - 400 | ELECTROFUSION TEE 90° | TEE | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 350 - 400 | TEE 90° REINFORCED | TEE | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 20 - 400 | TEE 90° LONG SPIGOT | TEE | HDPE | PE100 | SPIG | | | | SDR7.4 | 25 | | |
| 350 - 400 | TEE 90° REINFORCED | TEE | HDPE | PE100 | SPIG | | | | SDR17 | 10 | | |
| 20 - 400 | TEE 90° LONG SPIGOT | TEE | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 20 - 400 | ELECTROFUSION TEE 90° | TEE | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |
| 15 - 300 | ELECTROFUSION TEE 90° | TEE | HDPE | PE100 | PSW | | | | SDR11 | 16 | | |
| 50 - 150 | TEE 45° LONG SPIGOT | TEE 45 | HDPE | PE100 | SPIG | | | | SDR11 | 16 | | |

HDPE (PE100)



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