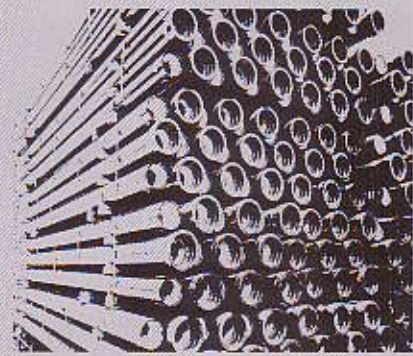


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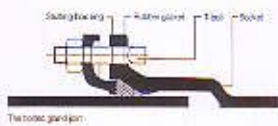


Ductile Iron Pipe Fitting
To BS EN545/598, ISO 2531



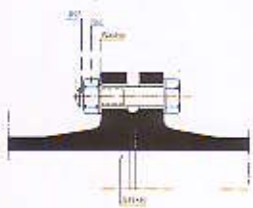
Ductile Iron Joints

The Bolted Gland Joint



The Bolted gland joint is principally used for pipeline conveying gas and liquids. The loose stuffing box ring squeezes the wedge-shaped gasket between the inside of the socket and the outside of the spigot. Gasket compression is effected by tightening the stuffing box ring with the aid of T-bolts. Installed, this kind of joint allows deflection of up to 3deg . Longitudinal displacement is between 80mm & 100mm

The Flange Joint



The Flange Joint is one of the oldest methods of connection Ductile cast iron pipes and is sealed with the aid of flat gaskets made from less mouldable materials used on socket gaskets. This is a RIGID JOINT and unlike the tyton joint, it will not absorb longitudinal or lateral movement.

The Tyton Socket Joint (Push-On Joint)

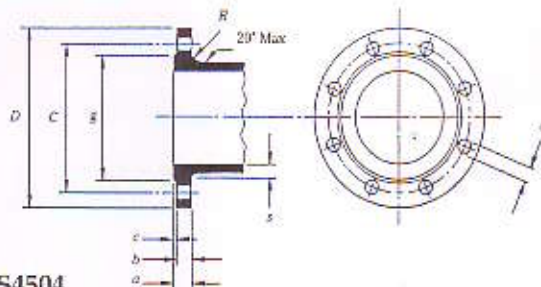
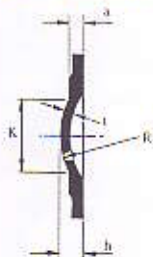


The Tyton Socket is one of the most frequently used rubber sealed push-in socket. They allow longitudinally or lateral movement. This flexibility is advantageous for counteracting soil-related stresses caused by:

- Soil settlement combined with inadequate compaction;
- Transition Building works on filled terrain;
- Vibration resulting from traffic/vehicular movement.
- Settlement induced by mining or excavation.
- Pipes laid in unstable environment likes bogs and mud

A unique profiled rubber gasket incorporating & 2 hardness of a soft sealing element and a harder retaining element, Provide a good seal between the socket and the spigot.

Ductile Iron Pipe Fittings



Blank Flange

Nominal size DN	a mm	a mm	K & R mm	h mm	Mass kg
40	19.0	18.0	-	-	2.0
50	19.0	18.0	-	-	2.4
65	19.0	18.0	-	-	3.1
80	19.0	18.0	-	-	3.9
100	19.0	18.0	-	-	4.8
150	20.0	18.0	-	-	8.1
200	22.0	18.0	-	-	11.4
250	24.5	19.0	-	-	16.6
300	26.5	20.5	-	-	23.5
350	26.5	22.5	325	71	34.5
400	28.0	24.0	375	80	46.0
450	30.0	26.0	425	88	60.0
500	31.5	27.5	475	97	79.5
600	36.0	31.0	575	114	125
700	39.5	34.5	675	131	163
800	43.0	38.0	775	148	228
900	46.5	41.5	875	165	299
1000	50.0	45.0	975	182	405
1100	53.5	48.5	1075	199	509
1200	57.0	52.0	1175	244	653

Flange to PN16 BS4504

Nominal size DN	D mm	Pitch Circle diameter C	g mm	a mm	b mm	c mm	Bolts holes number	d	s	R	Mass kg	Bolt size
40	150	110	84	19.0	16.0	3	4	19	15.0	6	1.7	M16
50	165	125	99	19.0	16.0	3	4	19	15.0	6	2.1	M16
65	185	145	118	19.0	16.0	3	4	19	15.0	6	2.5	M16
80	200	160	132	19.0	16.0	3	8	19	15.0	6	2.9	M16
100	220	180	156	19.0	16.0	3	8	19	15.0	6	3.3	M16
150	285	240	211	19.0	16.0	3	8	23	15.0	8	4.9	M20
200	340	295	266	20.0	17.0	3	12	23	16.0	8	6.6	M20
250	400	355	319	22.0	19.0	3	12	28	17.5	10	9.2	M24
300	455	410	370	24.5	20.5	4	12	28	19.5	10	12.4	M24
350	520	470	429	26.5	22.5	4	16	28	21.0	10	17.2	M24
400	580	525	480	28.0	24.0	4	16	31	22.5	10	21.9	M27
450	640	585	548	30.0	26.0	4	20	31	24.0	12	26.7	M27
500	715	650	609	31.5	27.5	4	20	34	25.0	12	37.0	M33
600	840	770	720	36.0	31.0	5	20	37	29.0	12	57.3	M33
700	910	840	794	39.5	34.5	5	24	37	27.5	12	57.0	M33
800	1025	950	901	43.0	38.0	5	24	40	30.0	12	72.0	M36
900	1125	1050	1001	46.5	41.5	5	28	40	32.5	12	90.0	M36
1000	1255	1170	1112	50.0	45.0	5	28	43	35.0	12	122.0	M39
1100	1355	1270	1218	53.5	48.5	5	32	43	37.5	12	141.0	M39
1200	1485	1390	1328	60.0	52.0	5	32	49	40.0	12	189.0	M45