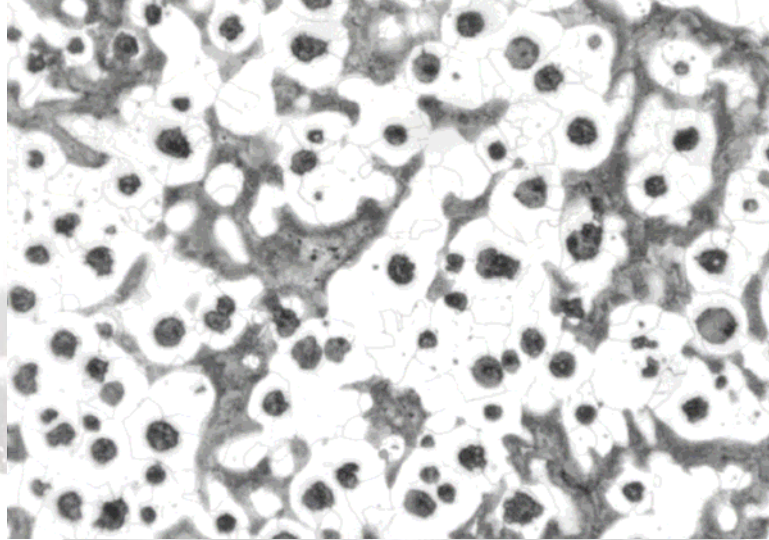
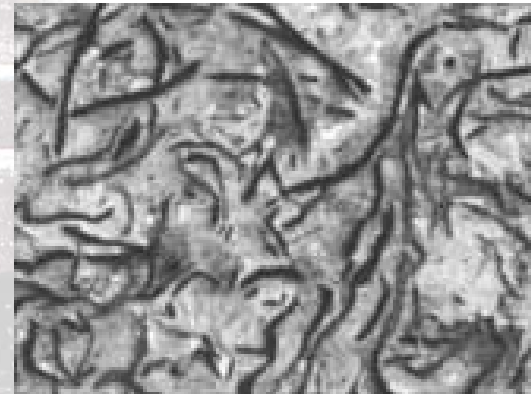


Microscopic Structure of Ductile Iron**Typical Cast Iron**

In ductile, graphite is spread in spherical shape instead of flakes thus giving it the superior strength and elongation properties.

The advantages of ductile iron which have led to its success are numerous, but they can be summarized easily - versatility and higher performance at lower cost. This versatility is especially evident in the area of mechanical properties where ductile iron offers more than 5% elongation, or high strength, with tensile strengths exceeding 420 kN. Due to the superior properties of the ductile iron over cast iron, ductile iron has been used widely in water pipeline fittings nowadays.

OMEGAS

DUCTILE IRON FITTINGS

EN598

for Water Pipeline and Sewage Water Application



Double Socket Bend – 11 ¼ to 90 degrees

Double Socket Reducer

All Socket Tee

80 to 300mm

All Socket Fittings supplied complete with Tyton rings



Maccanvas Hardware Trading & Engineering Pte Ltd

No.17 Defu Lane 7

Singapore 539340

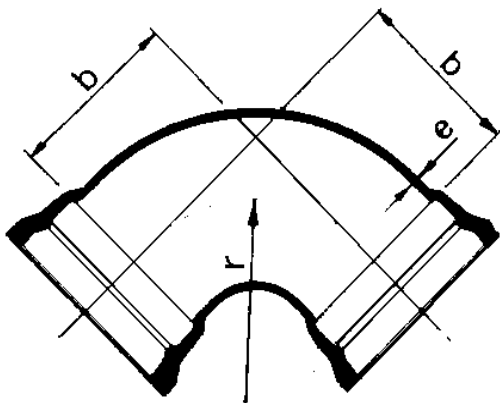
Phone: +65 6281 2011

Fax : +65 6280 9349

Website: www.maccanvas.com

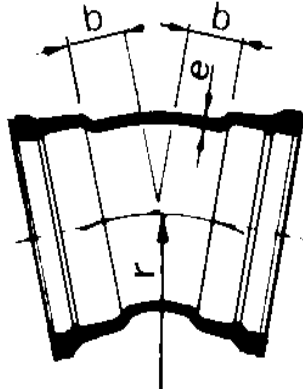
Email: sales@maccanvas.com

Double Socket Bend – 90 degrees



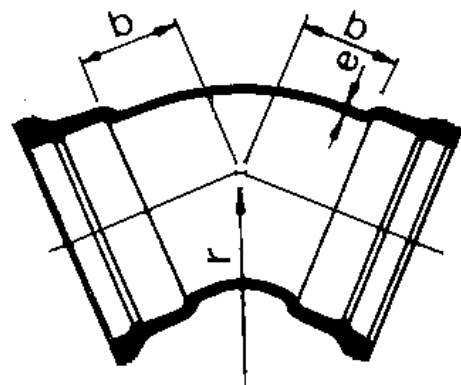
Nominal Size DN	e	b	r approx.	Mass	Extra Mass for cement mortar lining
mm	mm	mm	mm	kg	kg
100	7.2	120	95	14.4	0.4
150	7.8	170	145	24.0	0.9
200	8.4	220	195	37.0	1.6
250	9.0	270	245	53.0	2.5
300	9.6	320	290	75.5	3.4
400	11.4	470	435	168.0	12.0

Double Socket Bend – 22½ degrees



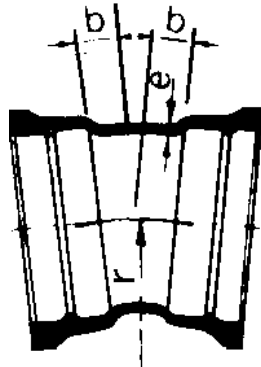
Nominal Size DN	e	b	r approx.	Mass	Extra Mass for cement mortar lining
mm	mm	mm	mm	kg	kg
100	7.2	45	110	12.5	0.2
150	7.8	55	155	19.3	0.4
200	8.4	65	195	27.5	0.6
250	9.0	75	240	37.5	0.8
300	9.6	90	305	53.0	1.2
400	11.4	110	390	87.5	3.2

Double Socket Bend – 45 degrees



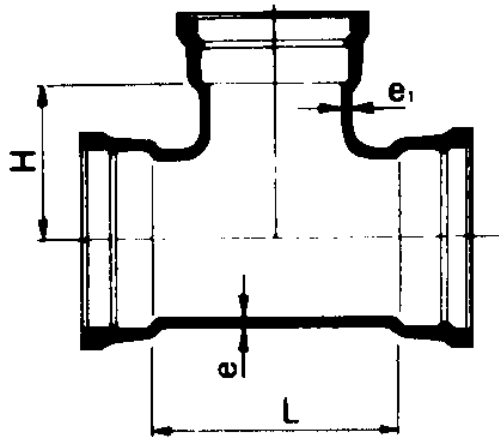
Nominal Size DN	e	b	r approx.	Mass	Extra Mass for cement mortar lining
mm	mm	mm	mm	kg	kg
100	7.2	65	100	13.1	0.3
150	7.8	85	145	21.0	0.5
200	8.4	110	200	30.5	0.7
250	9.0	130	245	43.0	1.1
300	9.6	155	305	61.0	1.7
400	11.4	200	405	104.0	6.0

Double Socket Bend – 11¼ degrees



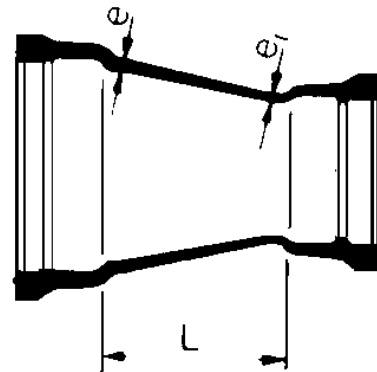
Nominal Size DN	e	b	r approx.	Mass	Extra Mass for cement mortar lining
mm	mm	mm	mm	kg	kg
100	7.2	35	120	12.1	0.2
150	7.8	40	155	18.5	0.3
200	8.4	45	195	26.0	0.4
250	9.0	50	230	35.0	0.6
300	9.6	60	315	49.0	0.8
400	11.4	70	385	79.5	2.1

All Socket Tee



Nominal Size DN		e	e1	L	H	Mass	Extra Mass for cement mortar lining
Body DN	Branch dn	mm	mm	mm	mm	kg	kg
mm	mm	mm	mm	mm	mm	kg	kg
100	100	8.4	8.4	210	125	21.5	0.6
150	100	9.1	8.4	210	150	29.5	0.8
150	150	9.1	9.1	270	155	34.0	1.1
200	100	9.8	8.4	215	180	38.5	1.1
200	150	9.8	9.1	270	180	44.0	1.4
200	200	9.8	9.8	330	180	50.5	1.7
250	100	10.5	8.4	220	205	49.0	1.4
250	150	10.5	9.1	335	210	59.5	2.0
250	200	10.5	9.8	335	210	62.5	2.1
250	250	10.5	10.5	390	210	70.5	2.4
300	100	11.2	8.4	220	235	63.5	1.6
300	150	11.2	9.1	335	235	75.5	2.4
300	200	11.2	9.8	335	235	79.0	2.4
300	250	11.2	10.5	450	240	92.0	3.2
300	300	11.2	11.2	450	240	99.5	3.3
400	100	12.6	8.4	225	290	97.0	3.4
400	150	12.6	9.1	340	290	113.0	5.0
400	200	12.6	9.8	340	290	117.0	5.0
400	250	12.6	10.5	575	295	148.0	9.0
400	300	12.6	11.2	575	295	158.0	9.0
400	400	12.6	12.6	575	295	170.0	9.0

Double Socket Taper



Nominal Size DN		e	e1	L	Mass	Extra Mass for cement mortar lining
Body DN	Branch dn	mm	mm	mm	kg	kg
mm	mm	mm	mm	mm	kg	kg
150	100	7.8	7.2	150	16.8	0.4
200	100	8.4	7.2	250	23.5	0.8
200	150	8.4	7.8	150	24.5	0.6
250	150	9.0	7.8	250	33.0	1.1
250	200	9.0	8.4	150	33.0	0.8
300	150	9.6	7.8	350	45.5	1.8
300	200	9.6	8.4	250	45.0	1.4
300	250	9.6	9.0	150	44.0	0.9
400	200	10.8	8.4	460	76.5	4.4
400	250	10.8	9.0	360	75.5	3.7
400	300	10.8	9.6	260	75.0	2.8