

Product Data Sheet

2. Tyton fittings

2.03 Flange on double socket tee

Flange on double socket tee (MMA) PN10/16

Material EN 1563 EN-GJS-500-7

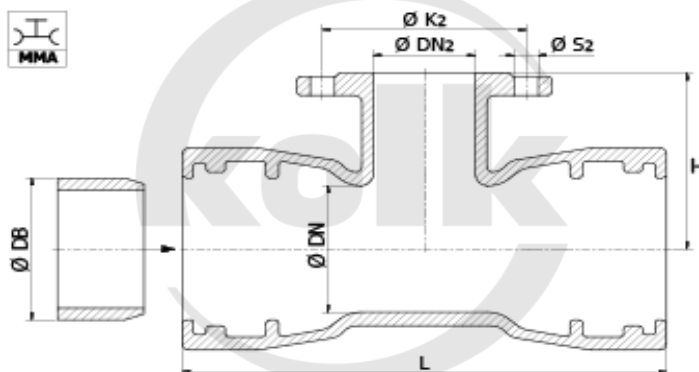
Design Std. EN 545

Coating Epoxy GSK RAL-GZ 662

Approval Kiwa BRL-K772



Kolk Tyton fittings are made of ductile iron EN 1563:2011 EN-GJS-500-7. Design acc. to EN 545, flange drilling acc. to EN 1092-2 (ISO 7005-2). Epoxy coated (Resicoat®) acc. to EN 14901 (DIN 30677-2) and GSK certified (RAL-GZ 662).



Flange on double socket tee (MMA) PN10/16

Article	Article Nr.	PN	Ø DN [mm]	Ø DN2 [mm]	Ø DB [mm]	L [mm]	H [mm]	Holes # [DN]	Ø K [mm]	Ø S [mm]	G [kg]			
MMA 80/50	2.03MMA1.000010	PN10/16	80	50	98	170	160	4	125	19	11			
MMA 80/65	2.03MMA1.000020	PN10/16	80	65	98	170	160	4	145	19	13			
MMA 80/80-4	2.03MMA1.000030	PN10	80	80	98	170	165	4	160	19	13			
MMA 80/80	2.03MMA1.000031	PN10/16	80	80	98	170	165	8	160	19	13			
MMA 100/50	2.03MMA1.010010	PN10/16	100	65	118	170	170	4	125	19	12			
MMA 100/65	2.03MMA1.010020	PN10/16	100	80	118	170	175	4	145	19	16			
MMA 100/80-4	2.03MMA1.010030	PN10	100	80	118	170	175	4	160	19	15			
MMA 100/80	2.03MMA1.010031	PN10/16	100	80	118	170	175	8	160	19	15			
MMA 100/100	2.03MMA1.010040	PN10/16	100	50	118	190	180	8	180	19	16			
MMA 125/50	2.03MMA1.010050	PN10/16	125	65	144	170	185	4	125	19	16			
MMA 125/65	2.03MMA1.010060	PN10/16	125	80	144	170	190	4	145	19	16			
MMA 125/80-4	2.03MMA1.010070	PN10	125	80	144	170	190	4	160	19	18			
MMA 125/80	2.03MMA1.010071	PN10/16	125	80	144	170	190	8	160	19	18			
MMA 125/100	2.03MMA1.010080	PN10/16	125	100	144	195	195	8	180	19	19			
MMA 125/125	2.03MMA1.010090	PN10/16	125	125	144	255	200	8	210	19	22			
MMA 150/50	2.03MMA1.010100	PN10/16	150	50	170	170	200	4	125	19	20			
MMA 150/65	2.03MMA1.010110	PN10/16	150	65	170	170	205	4	145	19	20			
MMA 150/80-4	2.03MMA1.010120	PN10	150	80	170	170	205	4	160	19	21			
MMA 150/80	2.03MMA1.010121	PN10/16	150	80	170	170	205	8	160	19	21			
MMA 150/100	2.03MMA1.010130	PN10/16	150	100	170	195	210	8	180	19	23			
MMA 150/125	2.03MMA1.010140	PN10/16	150	125	170	255	220	8	210	19	24			
MMA 150/150	2.03MMA1.010150	PN10/16	150	150	170	255	220	8	240	23	27			
MMA 200/50	2.03MMA2.020010	PN10	200	50	222	175	230	4	125	19	28			
MMA 200/65	2.03MMA2.020020	PN10	200	65	222	175	235	4	145	19	28			
MMA 200/80-4	2.03MMA2.020030	PN10	200	80	222	175	235	4	160	19	28			

Flange on double socket tee (MMA) PN10/16

Article	Article Nr.	PN	ø DN [mm]	ø DN2 [mm]	ø DB [mm]	L [mm]	H [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]			
MMA 200/80	2.03MMA2.020040	PN10	200	80	222	175	235	8	160	19	28			
MMA 200/100	2.03MMA2.020050	PN10	200	100	222	200	240	8	180	19	30			
MMA 200/150	2.03MMA2.020060	PN10	200	150	222	255	250	8	240	23	36			
MMA 200/200	2.03MMA2.020070	PN10	200	200	222	315	260	8	295	23	42			
MMA 250/80	2.03MMA2.020080	PN10	250	80	274	180	265	8	160	19	37			
MMA 250/100	2.03MMA2.020090	PN10	250	100	274	200	270	8	180	19	39			
MMA 250/150	2.03MMA2.020100	PN10	250	150	274	260	280	8	240	23	46			
MMA 250/200	2.03MMA2.020110	PN10	250	200	274	315	290	8	295	23	52			
MMA 250/250	2.03MMA2.020120	PN10	250	250	274	375	300	12	350	23	60			
MMA 300/80	2.03MMA2.030010	PN10	300	80	326	180	295	8	160	19	47			
MMA 300/100	2.03MMA2.030020	PN10	300	100	326	205	300	8	180	19	50			
MMA 300/150	2.03MMA2.030030	PN10	300	150	326	260	310	8	240	23	57			
MMA 300/200	2.03MMA2.030040	PN10	300	200	326	320	320	8	295	23	65			
MMA 300/250	2.03MMA2.030050	PN10	300	250	326	435	330	12	350	23	83			
MMA 300/300	2.03MMA2.030060	PN10	300	300	326	435	340	12	410	28	83			
MMA 350/80	2.03MMA2.030070	PN10	350	80	378	205	330	8	160	19	55			
MMA 350/100	2.03MMA2.030080	PN10	350	100	378	205	330	8	180	19	59			
MMA 350/150	2.03MMA2.030090	PN10	350	150	378	265	340	8	240	23	65			
MMA 350/200	2.03MMA2.030100	PN10	350	200	378	325	350	8	295	23	77			
MMA 350/250	2.03MMA2.030110	PN10	350	250	378	375	360	12	350	23	85			
MMA 350/300	2.03MMA2.030120	PN10	350	300	378	425	370	12	410	28	95			
MMA 350/350	2.03MMA2.030130	PN10	350	350	378	495	380	16	470	28	106			
MMA 400/80	2.03MMA2.040010	PN10	400	80	429	185	355	8	160	19	67			
MMA 400/100	2.03MMA2.040020	PN10	400	100	429	210	360	8	180	19	71			
MMA 400/150	2.03MMA2.040030	PN10	400	150	429	270	370	8	240	23	81			
MMA 400/200	2.03MMA2.040040	PN10	400	200	429	325	380	8	295	23	91			
MMA 400/250	2.03MMA2.040050	PN10	400	250	429	375	390	12	350	23	106			
MMA 400/300	2.03MMA2.040060	PN10	400	300	429	440	400	12	410	28	112			
MMA 400/400	2.03MMA2.040070	PN10	400	400	429	560	420	16	515	28	135			
MMA 450/80	2.03MMA2.040080	PN10	450	80	477	215	390	8	160	19	89			
MMA 450/100	2.03MMA2.040090	PN10	450	100	477	215	390	8	180	19	90			
MMA 450/150	2.03MMA2.040100	PN10	450	150	477	270	400	8	240	23	110			
MMA 450/200	2.03MMA2.040110	PN10	450	200	477	320	410	8	295	23	135			
MMA 450/250	2.03MMA2.040120	PN10	450	250	477	390	420	12	350	23	155			
MMA 450/300	2.03MMA2.040130	PN10	450	300	477	390	430	12	410	28	170			
MMA 450/400	2.03MMA2.040140	PN10	450	400	477	560	450	16	515	28	190			
MMA 450/450	2.03MMA2.040150	PN10	450	450	477	620	460	20	565	28	198			
MMA 500/80	2.03MMA2.050010	PN10	500	80	532	215	415	8	160	19	102			
MMA 500/100	2.03MMA2.050020	PN10	500	100	532	215	420	8	180	19	104			
MMA 500/150	2.03MMA2.050030	PN10	500	150	532	330	430	8	240	23	126			
MMA 500/200	2.03MMA2.050040	PN10	500	200	532	330	440	8	295	23	127			
MMA 500/250	2.03MMA2.050050	PN10	500	250	532	450	450	12	350	23	156			
MMA 500/300	2.03MMA2.050060	PN10	500	300	532	450	460	12	410	28	156			
MMA 500/400	2.03MMA2.050070	PN10	500	400	532	565	480	16	515	28	182			
MMA 500/500	2.03MMA2.050080	PN10	500	500	532	680	500	20	620	28	212			
MMA 600/80	2.03MMA2.060010	PN10	600	80	635	340	475	8	160	19	162			
MMA 600/100	2.03MMA2.060020	PN10	600	100	635	340	480	8	180	19	164			

Flange on double socket tee (MMA) PN10/16

Article	Article Nr.	PN	ø DN [mm]	ø DN2 [mm]	ø DB [mm]	L [mm]	H [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]			
MMA 600/150	2.03MMA2.060030	PN10	600	150	635	340	490	8	240	23	166			
MMA 600/200	2.03MMA2.060040	PN10	600	200	635	340	500	8	295	23	168			
MMA 600/250	2.03MMA2.060050	PN10	600	250	635	570	510	12	350	23	224			
MMA 600/300	2.03MMA2.060060	PN10	600	300	635	570	520	12	410	28	230			
MMA 600/400	2.03MMA2.060070	PN10	600	400	635	570	540	16	515	28	230			
MMA 600/500	2.03MMA2.060080	PN10	600	500	635	800	560	20	620	28	302			
MMA 600/600	2.03MMA2.060090	PN10	600	600	635	800	580	20	725	31	308			
MMA 700/80	2.03MMA2.070010	PN10	700	80	738	345	505	8	160	19	250			
MMA 700/100	2.03MMA2.070020	PN10	700	100	738	345	510	8	180	19	250			
MMA 700/150	2.03MMA2.070030	PN10	700	150	738	345	520	8	240	23	260			
MMA 700/200	2.03MMA2.070040	PN10	700	200	738	345	525	8	295	23	255			
MMA 700/250	2.03MMA2.070050	PN10	700	250	738	575	540	12	350	23	280			
MMA 700/300	2.03MMA2.070060	PN10	700	300	738	575	540	12	410	28	325			
MMA 700/400	2.03MMA2.070070	PN10	700	400	738	575	555	16	515	28	380			
MMA 700/500	2.03MMA2.070080	PN10	700	500	738	925	570	20	620	28	432			
MMA 700/600	2.03MMA2.070090	PN10	700	600	738	925	585	20	725	31	456			
MMA 700/700	2.03MMA2.070100	PN10	700	700	738	925	600	24	840	31	480			
MMA 800/80	2.03MMA2.080010	PN10	800	80	842	350	570	8	160	19	315			
MMA 800/100	2.03MMA2.080020	PN10	800	100	842	350	570	8	180	19	325			
MMA 800/150	2.03MMA2.080030	PN10	800	150	842	303	580	8	240	23	320			
MMA 800/200	2.03MMA2.080040	PN10	800	200	842	350	585	8	295	23	317			
MMA 800/250	2.03MMA2.080050	PN10	800	250	842	360	585	12	350	23	350			
MMA 800/300	2.03MMA2.080060	PN10	800	300	842	580	600	12	410	28	416			
MMA 800/400	2.03MMA2.080070	PN10	800	400	842	580	615	16	515	28	405			
MMA 800/500	2.03MMA2.080080	PN10	800	500	842	1045	630	20	620	28	590			
MMA 800/600	2.03MMA2.080090	PN10	800	600	842	1045	645	20	725	31	580			
MMA 800/700	2.03MMA2.080100	PN10	800	700	842	1045	660	24	840	31	590			
MMA 800/800	2.03MMA2.080110	PN10	800	800	842	1045	675	24	950	34	612			
MMA 900/80	2.03MMA2.090010	PN10	900	80	945	355	630	8	160	19	440			
MMA 900/100	2.03MMA2.090020	PN10	900	100	945	355	630	8	180	19	450			
MMA 900/150	2.03MMA2.090030	PN10	900	150	945	355	640	8	240	23	445			
MMA 900/200	2.03MMA2.090040	PN10	900	200	945	355	645	8	295	23	455			
MMA 900/250	2.03MMA2.090050	PN10	900	250	945	590	655	12	350	23	474			
MMA 900/300	2.03MMA2.090060	PN10	900	300	945	590	660	12	410	28	560			
MMA 900/400	2.03MMA2.090070	PN10	900	400	945	590	675	16	515	28	560			
MMA 900/500	2.03MMA2.090080	PN10	900	500	945	1170	690	20	620	28	815			
MMA 900/600	2.03MMA2.090090	PN10	900	600	945	1170	705	20	725	31	810			
MMA 900/700	2.03MMA2.090100	PN10	900	700	945	1170	720	24	840	31	840			
MMA 900/800	2.03MMA2.090110	PN10	900	800	945	1170	735	24	950	34	880			
MMA 900/900	2.03MMA2.090120	PN10	900	900	945	1170	750	28	1050	34	921			
MMA 1000/80	2.03MMA2.100010	PN10	1000	80	1048	360	705	8	160	19	480			
MMA 1000/100	2.03MMA2.100020	PN10	1000	100	1048	360	705	8	180	19	500			
MMA 1000/150	2.03MMA2.100030	PN10	1000	150	1048	360	705	8	240	23	530			
MMA 1000/200	2.03MMA2.100040	PN10	1000	200	1048	360	705	8	295	23	556			
MMA 1000/250	2.03MMA2.100050	PN10	1000	250	1048	400	705	12	350	23	520			
MMA 1000/300	2.03MMA2.100060	PN10	1000	300	1048	595	720	12	410	28	670			
MMA 1000/400	2.03MMA2.100070	PN10	1000	400	1048	595	735	16	515	28	780			

Flange on double socket tee (MMA) PN10/16

Article	Article Nr.	PN	ø DN [mm]	ø DN2 [mm]	ø DB [mm]	L [mm]	H [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]			
MMA 1000/500	2.03MMA2.100080	PN10	1000	500	1048	1290	765	20	620	28	880			
MMA 1000/600	2.03MMA2.100090	PN10	1000	600	1048	1290	765	20	725	31	1020			
MMA 1000/700	2.03MMA2.100100	PN10	1000	700	1048	1290	780	24	840	31	1030			
MMA 1000/800	2.03MMA2.100110	PN10	1000	800	1048	1290	795	24	950	34	1045			
MMA 1000/900	2.03MMA2.100120	PN10	1000	900	1048	1290	810	28	1050	34	1120			
MMA 1000/1000	2.03MMA2.100130	PN10	1000	1000	1048	1290	825	28	1160	37	1150			
MMA 1200/80	2.03MMA2.120010	PN10	1200	80	1255	360	705	8	160	19	680			
MMA 1200/100	2.03MMA2.120020	PN10	1200	100	1255	360	705	8	180	19	710			
MMA 1200/150	2.03MMA2.120030	PN10	1200	150	1255	360	705	8	240	23	750			
MMA 1200/200	2.03MMA2.120040	PN10	1200	200	1255	360	705	8	295	23	790			
MMA 1200/250	2.03MMA2.120050	PN10	1200	250	1255	460	745	12	350	23	860			
MMA 1200/300	2.03MMA2.120060	PN10	1200	300	1255	460	785	12	410	28	930			
MMA 1200/400	2.03MMA2.120070	PN10	1200	400	1255	630	845	16	515	28	1010			
MMA 1200/500	2.03MMA2.120080	PN10	1200	500	1255	730	865	20	620	28	1100			
MMA 1200/600	2.03MMA2.120090	PN10	1200	600	1255	840	885	20	725	31	1210			
MMA 1200/700	2.03MMA2.120100	PN10	1200	700	1255	940	905	24	840	31	1370			
MMA 1200/800	2.03MMA2.120110	PN10	1200	800	1255	1040	925	24	950	34	1530			
MMA 1200/900	2.03MMA2.120120	PN10	1200	900	1255	1140	945	28	1050	34	1690			
MMA 1200/1000	2.03MMA2.120130	PN10	1200	1000	1255	1240	965	28	1160	37	1850			
MMA 1200/1200	2.03MMA2.120140	PN10	1200	1200	1255	1300	980	32	1380	41	2020			
MMA 200/80	2.03MMA3.020010	PN16	200	80	222	175	235	8	160	19	28			
MMA 200/100	2.03MMA3.020020	PN16	200	100	222	200	240	8	180	19	30			
MMA 200/150	2.03MMA3.020030	PN16	200	150	222	255	250	8	240	23	36			
MMA 200/200	2.03MMA3.020040	PN16	200	200	222	315	260	12	295	23	42			
MMA 250/80	2.03MMA3.020050	PN16	250	80	274	180	265	8	160	19	37			
MMA 250/100	2.03MMA3.020060	PN16	250	100	274	200	270	8	180	19	39			
MMA 250/150	2.03MMA3.020070	PN16	250	150	274	260	280	8	240	23	46			
MMA 250/200	2.03MMA3.020080	PN16	250	200	274	315	290	12	295	23	52			
MMA 250/250	2.03MMA3.020090	PN16	250	250	274	375	300	12	355	28	60			
MMA 300/80	2.03MMA3.030010	PN16	300	80	326	180	295	8	160	19	47			
MMA 300/100	2.03MMA3.030020	PN16	300	100	326	205	300	8	180	19	50			
MMA 300/150	2.03MMA3.030030	PN16	300	150	326	260	310	8	240	23	57			
MMA 300/200	2.03MMA3.030040	PN16	300	200	326	320	320	12	295	23	65			
MMA 300/250	2.03MMA3.030050	PN16	300	250	326	435	330	12	355	28	83			
MMA 300/300	2.03MMA3.030060	PN16	300	300	326	435	340	12	410	28	83			
MMA 350/80	2.03MMA3.030070	PN16	350	80	378	205	330	8	160	19	55			
MMA 350/100	2.03MMA3.030080	PN16	350	100	378	205	330	8	180	19	59			
MMA 350/150	2.03MMA3.030090	PN16	350	150	378	265	340	8	240	23	65			
MMA 350/200	2.03MMA3.030100	PN16	350	200	378	325	350	12	295	23	77			
MMA 350/250	2.03MMA3.030110	PN16	350	250	378	375	360	12	355	28	85			
MMA 350/300	2.03MMA3.030120	PN16	350	300	378	425	370	12	410	28	95			
MMA 350/350	2.03MMA3.030130	PN16	350	350	378	495	380	16	470	28	106			
MMA 400/80	2.03MMA3.040010	PN16	400	80	429	185	355	8	160	19	67			
MMA 400/100	2.03MMA3.040020	PN16	400	100	429	210	360	8	180	19	71			
MMA 400/150	2.03MMA3.040030	PN16	400	150	429	270	370	8	240	23	81			
MMA 400/200	2.03MMA3.040040	PN16	400	200	429	325	380	12	295	23	91			
MMA 400/250	2.03MMA3.040050	PN16	400	250	429	375	390	12	355	28	106			

Flange on double socket tee (MMA) PN10/16

Article	Article Nr.	PN	ø DN [mm]	ø DN2 [mm]	ø DB [mm]	L [mm]	H [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]			
MMA 400/300	2.03MMA3.040060	PN16	400	300	429	440	400	12	410	28	112			
MMA 400/400	2.03MMA3.040070	PN16	400	400	429	560	420	16	525	31	135			
MMA 450/80	2.03MMA3.040080	PN16	450	80	477	215	390	8	160	19	89			
MMA 450/100	2.03MMA3.040090	PN16	450	100	477	215	390	8	180	19	90			
MMA 450/150	2.03MMA3.040100	PN16	450	150	477	270	400	8	240	23	110			
MMA 450/200	2.03MMA3.040110	PN16	450	200	477	320	410	12	295	23	135			
MMA 450/250	2.03MMA3.040120	PN16	450	250	477	390	420	12	355	28	155			
MMA 450/300	2.03MMA3.040130	PN16	450	300	477	390	430	12	410	28	170			
MMA 450/400	2.03MMA3.040140	PN16	450	400	477	560	450	16	525	31	190			
MMA 450/450	2.03MMA3.040150	PN16	450	450	477	620	460	20	585	31	198			
MMA 500/80	2.03MMA3.050010	PN16	500	80	532	215	415	8	160	19	102			
MMA 500/100	2.03MMA3.050020	PN16	500	100	532	215	420	8	180	19	104			
MMA 500/150	2.03MMA3.050030	PN16	500	150	532	330	430	8	240	23	126			
MMA 500/200	2.03MMA3.050040	PN16	500	200	532	330	440	12	295	23	127			
MMA 500/250	2.03MMA3.050050	PN16	500	250	532	450	450	12	355	28	156			
MMA 500/300	2.03MMA3.050060	PN16	500	300	532	450	460	12	410	28	156			
MMA 500/400	2.03MMA3.050070	PN16	500	400	532	565	480	16	525	31	182			
MMA 500/500	2.03MMA3.050080	PN16	500	500	532	680	500	20	650	34	212			
MMA 600/80	2.03MMA3.060010	PN16	600	80	635	340	475	8	160	19	162			
MMA 600/100	2.03MMA3.060020	PN16	600	100	635	340	480	8	180	19	164			
MMA 600/150	2.03MMA3.060030	PN16	600	150	635	340	490	8	240	23	166			
MMA 600/200	2.03MMA3.060040	PN16	600	200	635	340	500	12	295	23	168			
MMA 600/250	2.03MMA3.060050	PN16	600	250	635	570	510	12	355	28	224			
MMA 600/300	2.03MMA3.060060	PN16	600	300	635	570	520	12	410	28	230			
MMA 600/400	2.03MMA3.060070	PN16	600	400	635	570	540	16	525	31	230			
MMA 600/500	2.03MMA3.060080	PN16	600	500	635	800	560	20	650	34	302			
MMA 600/600	2.03MMA3.060090	PN16	600	600	635	800	580	20	770	37	308			
MMA 700/80	2.03MMA3.070010	PN16	700	80	738	345	505	8	160	19	250			
MMA 700/100	2.03MMA3.070020	PN16	700	100	738	345	510	8	180	19	250			
MMA 700/150	2.03MMA3.070030	PN16	700	150	738	345	520	8	240	23	260			
MMA 700/200	2.03MMA3.070040	PN16	700	200	738	345	525	12	295	23	255			
MMA 700/250	2.03MMA3.070050	PN16	700	250	738	575	540	12	355	28	280			
MMA 700/300	2.03MMA3.070060	PN16	700	300	738	575	540	12	410	28	325			
MMA 700/400	2.03MMA3.070070	PN16	700	400	738	575	555	16	525	31	380			
MMA 700/500	2.03MMA3.070080	PN16	700	500	738	925	570	20	650	34	432			
MMA 700/600	2.03MMA3.070090	PN16	700	600	738	925	585	20	770	37	456			
MMA 700/700	2.03MMA3.070100	PN16	700	700	738	925	600	24	840	37	480			
MMA 800/80	2.03MMA3.080010	PN16	800	80	842	350	570	8	160	19	315			
MMA 800/100	2.03MMA3.080020	PN16	800	100	842	350	570	8	180	19	325			
MMA 800/150	2.03MMA3.080030	PN16	800	150	842	303	580	8	240	23	320			
MMA 800/200	2.03MMA3.080040	PN16	800	200	842	350	585	12	295	23	317			
MMA 800/250	2.03MMA3.080050	PN16	800	250	842	360	585	12	355	28	350			
MMA 800/300	2.03MMA3.080060	PN16	800	300	842	580	600	12	410	28	416			
MMA 800/400	2.03MMA3.080070	PN16	800	400	842	580	615	16	525	31	405			
MMA 800/500	2.03MMA3.080080	PN16	800	500	842	1045	630	20	650	34	590			
MMA 800/600	2.03MMA3.080090	PN16	800	600	842	1045	645	20	770	37	580			
MMA 800/700	2.03MMA3.080100	PN16	800	700	842	1045	660	24	840	37	590			

Flange on double socket tee (MMA) PN10/16

Article	Article Nr.	PN	ø DN [mm]	ø DN2 [mm]	ø DB [mm]	L [mm]	H [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]			
MMA 800/800	2.03MMA3.080110	PN16	800	800	842	1045	675	24	950	41	612			
MMA 900/80	2.03MMA3.090010	PN16	900	80	945	355	630	8	160	19	440			
MMA 900/100	2.03MMA3.090020	PN16	900	100	945	355	630	8	180	19	450			
MMA 900/150	2.03MMA3.090030	PN16	900	150	945	355	640	8	240	23	445			
MMA 900/200	2.03MMA3.090040	PN16	900	200	945	355	645	12	295	23	455			
MMA 900/250	2.03MMA3.090050	PN16	900	250	945	590	655	12	355	28	474			
MMA 900/300	2.03MMA3.090060	PN16	900	300	945	590	660	12	410	28	560			
MMA 900/400	2.03MMA3.090070	PN16	900	400	945	590	675	16	525	31	560			
MMA 900/500	2.03MMA3.090080	PN16	900	500	945	1170	690	20	650	34	815			
MMA 900/600	2.03MMA3.090090	PN16	900	600	945	1170	705	20	770	37	810			
MMA 900/700	2.03MMA3.090100	PN16	900	700	945	1170	720	24	840	37	840			
MMA 900/800	2.03MMA3.090110	PN16	900	800	945	1170	735	24	950	41	880			
MMA 900/900	2.03MMA3.090120	PN16	900	900	945	1170	750	28	1050	41	921			
MMA 1000/80	2.03MMA3.100010	PN16	1000	80	1048	360	705	8	160	19	480			
MMA 1000/100	2.03MMA3.100020	PN16	1000	100	1048	360	705	8	180	19	500			
MMA 1000/150	2.03MMA3.100030	PN16	1000	150	1048	360	705	8	240	23	530			
MMA 1000/200	2.03MMA3.100040	PN16	1000	200	1048	360	705	12	295	23	556			
MMA 1000/250	2.03MMA3.100050	PN16	1000	250	1048	400	705	12	355	28	520			
MMA 1000/300	2.03MMA3.100060	PN16	1000	300	1048	595	720	12	410	28	670			
MMA 1000/400	2.03MMA3.100070	PN16	1000	400	1048	595	735	16	525	31	780			
MMA 1000/500	2.03MMA3.100080	PN16	1000	500	1048	1290	765	20	650	34	880			
MMA 1000/600	2.03MMA3.100090	PN16	1000	600	1048	1290	765	20	770	37	1020			
MMA 1000/700	2.03MMA3.100100	PN16	1000	700	1048	1290	780	24	840	37	1030			
MMA 1000/800	2.03MMA3.100110	PN16	1000	800	1048	1290	795	24	950	41	1045			
MMA 1000/900	2.03MMA3.100120	PN16	1000	900	1048	1290	810	28	1050	41	1120			
MMA 1000/1000	2.03MMA3.100130	PN16	1000	1000	1048	1290	825	28	1170	44	1150			
MMA 1200/80	2.03MMA3.120010	PN16	1200	80	1255	360	705	8	160	19	680			
MMA 1200/100	2.03MMA3.120020	PN16	1200	100	1255	360	705	8	180	19	710			
MMA 1200/150	2.03MMA3.120030	PN16	1200	150	1255	360	705	8	240	23	750			
MMA 1200/200	2.03MMA3.120040	PN16	1200	200	1255	360	705	12	295	23	790			
MMA 1200/250	2.03MMA3.120050	PN16	1200	250	1255	460	745	12	355	28	860			
MMA 1200/300	2.03MMA3.120060	PN16	1200	300	1255	460	785	12	410	28	930			
MMA 1200/400	2.03MMA3.120070	PN16	1200	400	1255	630	845	16	525	31	1010			
MMA 1200/500	2.03MMA3.120080	PN16	1200	500	1255	730	865	20	650	34	1100			
MMA 1200/600	2.03MMA3.120090	PN16	1200	600	1255	840	885	20	770	37	1210			
MMA 1200/700	2.03MMA3.120100	PN16	1200	700	1255	940	905	24	840	37	1370			
MMA 1200/800	2.03MMA3.120110	PN16	1200	800	1255	1040	925	24	950	41	1530			
MMA 1200/900	2.03MMA3.120120	PN16	1200	900	1255	1140	945	28	1050	41	1690			
MMA 1200/1000	2.03MMA3.120130	PN16	1200	1000	1255	1240	965	28	1170	44	1850			
MMA 1200/1200	2.03MMA3.120140	PN16	1200	1200	1255	1300	980	32	1390	50	2020			