

Product Data Sheet

1. Flanged fittings

1.04 flanged pipes

Double flanged pipe w. puddle flange (FFM)

PN10/16

Material EN 1563 EN-GJS-400-15

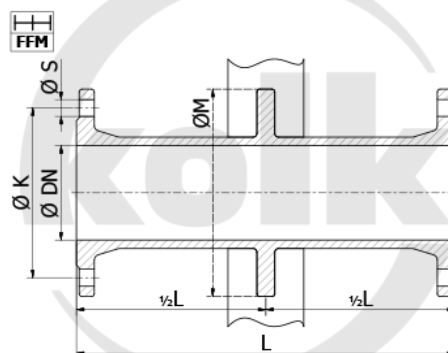
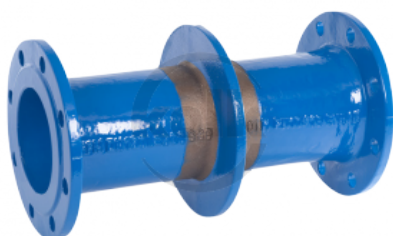
Design Std. EN 545

Coating Epoxy GSK RAL-GZ 662

Approval Kiwa BRL-K772/04



Kolk flanged fittings are made of ductile iron GJS-400/500 (DIN1693 GGG-40/50). Designed 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). The table contains only the standard lengths with puddle flange in the middle. Non standard lengths and puddle flange positions are possible. The location of the puddle flange is not coated in order to facilitate good concrete bonding.



Double flanged pipe with puddle flange (FFM) PN10/16

Article	Article Nr.	PN	ø DN [mm]	L [mm]	ø M [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]					
FFM 50, L= 400	1.04FFM1.000010	PN10/16	50	400	165	4	125	19	10					
FFM 50, L= 500	1.04FFM1.000020	PN10/16	50	500	165	4	125	19	12					
FFM 50, L= 600	1.04FFM1.000030	PN10/16	50	600	165	4	125	19	14					
FFM 65, L= 400	1.04FFM1.000040	PN10/16	65	400	185	4	145	19	13					
FFM 65, L= 500	1.04FFM1.000050	PN10/16	65	500	185	4	145	19	14					
FFM 65, L= 600	1.04FFM1.000060	PN10/16	65	600	185	4	145	19	16					
FFM 80, L= 400	1.04FFM1.000070	PN10/16	80	400	200	8	160	19	15					
FFM 80, L= 500	1.04FFM1.000080	PN10/16	80	500	200	8	160	19	16					
FFM 80, L= 600	1.04FFM1.000090	PN10/16	80	600	200	8	160	19	18					
FFM 80, L= 700	1.04FFM1.000100	PN10/16	80	700	200	8	160	19	20					
FFM 80, L= 800	1.04FFM1.000110	PN10/16	80	800	200	8	160	19	21					
FFM 80, L= 900	1.04FFM1.000120	PN10/16	80	900	200	8	160	19	23					
FFM 80, L= 1000	1.04FFM1.000130	PN10/16	80	1000	200	8	160	19	24					
FFM 100, L= 400	1.04FFM1.010010	PN10/16	100	400	220	8	180	19	18					
FFM 100, L= 500	1.04FFM1.010020	PN10/16	100	500	220	8	180	19	20					
FFM 100, L= 600	1.04FFM1.010030	PN10/16	100	600	220	8	180	19	22					
FFM 100, L= 700	1.04FFM1.010040	PN10/16	100	700	220	8	180	19	24					
FFM 100, L= 800	1.04FFM1.010050	PN10/16	100	800	220	8	180	19	26					
FFM 100, L= 900	1.04FFM1.010060	PN10/16	100	900	220	8	180	19	28					
FFM 100, L= 1000	1.04FFM1.010070	PN10/16	100	1000	220	8	180	19	30					

Double flanged pipe with puddle flange (FFM) PN10/16

Article	Article Nr.	PN	ø DN [mm]	L [mm]	ø M [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]					
FFM 125, L= 400	1.04FFM1.010080	PN10/16	125	400	250	8	210	19	22					
FFM 125, L= 500	1.04FFM1.010090	PN10/16	125	500	250	8	210	19	25					
FFM 125, L= 600	1.04FFM1.010100	PN10/16	125	600	250	8	210	19	28					
FFM 125, L= 700	1.04FFM1.010110	PN10/16	125	700	250	8	210	19	30					
FFM 125, L= 800	1.04FFM1.010120	PN10/16	125	800	250	8	210	19	33					
FFM 125, L= 900	1.04FFM1.010130	PN10/16	125	900	250	8	210	19	36					
FFM 125, L= 1000	1.04FFM1.010140	PN10/16	125	1000	250	8	210	19	38					
FFM 150, L= 400	1.04FFM1.010150	PN10/16	150	400	285	8	240	23	28					
FFM 150, L= 500	1.04FFM1.010160	PN10/16	150	500	285	8	240	23	31					
FFM 150, L= 600	1.04FFM1.010170	PN10/16	150	600	285	8	240	23	35					
FFM 150, L= 700	1.04FFM1.010180	PN10/16	150	700	285	8	240	23	37					
FFM 150, L= 800	1.04FFM1.010190	PN10/16	150	800	285	8	240	23	41					
FFM 150, L= 900	1.04FFM1.010200	PN10/16	150	900	285	8	240	23	44					
FFM 150, L= 1000	1.04FFM1.010210	PN10/16	150	1000	285	8	240	23	47					
FFM 200, L= 400	1.04FFM2.020010	PN10	200	400	340	8	295	23	39					
FFM 200, L= 500	1.04FFM2.020020	PN10	200	500	340	8	295	23	43					
FFM 200, L= 600	1.04FFM2.020030	PN10	200	600	340	8	295	23	48					
FFM 200, L= 700	1.04FFM2.020040	PN10	200	700	340	8	295	23	53					
FFM 200, L= 800	1.04FFM2.020050	PN10	200	800	340	8	295	23	57					
FFM 200, L= 900	1.04FFM2.020060	PN10	200	900	340	8	295	23	62					
FFM 200, L= 1000	1.04FFM2.020070	PN10	200	1000	340	8	295	23	67					
FFM 250, L= 400	1.04FFM2.020080	PN10	250	400	395	12	350	23	54					
FFM 250, L= 500	1.04FFM2.020090	PN10	250	500	395	12	350	23	60					
FFM 250, L= 600	1.04FFM2.020100	PN10	250	600	395	12	350	23	66					
FFM 250, L= 700	1.04FFM2.020110	PN10	250	700	395	12	350	23	72					
FFM 250, L= 800	1.04FFM2.020120	PN10	250	800	395	12	350	23	78					
FFM 250, L= 900	1.04FFM2.020130	PN10	250	900	395	12	350	23	85					
FFM 250, L= 1000	1.04FFM2.020140	PN10	250	1000	395	12	350	23	91					
FFM 300, L= 400	1.04FFM2.030010	PN10	300	400	445	12	400	23	70					
FFM 300, L= 500	1.04FFM2.030020	PN10	300	500	445	12	400	23	78					
FFM 300, L= 600	1.04FFM2.030030	PN10	300	600	445	12	400	23	86					
FFM 300, L= 700	1.04FFM2.030040	PN10	300	700	445	12	400	23	93					
FFM 300, L= 800	1.04FFM2.030050	PN10	300	800	445	12	400	23	102					
FFM 300, L= 900	1.04FFM2.030060	PN10	300	900	445	12	400	23	110					
FFM 300, L= 1000	1.04FFM2.030070	PN10	300	1000	445	12	400	23	116					
FFM 350, L= 500	1.04FFM2.030080	PN10	350	500	505	16	460	23	92					
FFM 350, L= 600	1.04FFM2.030090	PN10	350	600	505	16	460	23	103					
FFM 350, L= 700	1.04FFM2.030100	PN10	350	700	505	16	460	23	112					
FFM 350, L= 800	1.04FFM2.030110	PN10	350	800	505	16	460	23	123					
FFM 350, L= 900	1.04FFM2.030120	PN10	350	900	505	16	460	23	130					
FFM 350, L= 1000	1.04FFM2.030130	PN10	350	1000	505	16	460	23	142					
FFM 400, L= 500	1.04FFM2.040010	PN10	400	500	565	16	515	28	110					
FFM 400, L= 600	1.04FFM2.040020	PN10	400	600	565	16	515	28	122					

Double flanged pipe with puddle flange (FFM) PN10/16

Article	Article Nr.	PN	ø DN [mm]	L [mm]	ø M [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]					
FFM 400, L= 700	1.04FFM2.040030	PN10	400	700	565	16	515	28	135					
FFM 400, L= 800	1.04FFM2.040040	PN10	400	800	565	16	515	28	144					
FFM 400, L= 900	1.04FFM2.040050	PN10	400	900	565	16	515	28	156					
FFM 400, L= 1000	1.04FFM2.040060	PN10	400	1000	565	16	515	28	168					
FFM 450, L= 500	1.04FFM2.040070	PN10	450	500	615	20	565	28	130					
FFM 450, L= 600	1.04FFM2.040080	PN10	450	600	615	20	565	28	144					
FFM 450, L= 700	1.04FFM2.040090	PN10	450	700	615	20	565	28	156					
FFM 450, L= 800	1.04FFM2.040100	PN10	450	800	615	20	565	28	175					
FFM 450, L= 900	1.04FFM2.040110	PN10	450	900	615	20	565	28	195					
FFM 450, L= 1000	1.04FFM2.040120	PN10	450	1000	615	20	565	28	205					
FFM 500, L= 500	1.04FFM2.050010	PN10	500	500	670	20	620	28	150					
FFM 500, L= 600	1.04FFM2.050020	PN10	500	600	670	20	620	28	166					
FFM 500, L= 700	1.04FFM2.050030	PN10	500	700	670	20	620	28	182					
FFM 500, L= 800	1.04FFM2.050040	PN10	500	800	670	20	620	28	198					
FFM 500, L= 900	1.04FFM2.050050	PN10	500	900	670	20	620	28	215					
FFM 500, L= 1000	1.04FFM2.050060	PN10	500	1000	670	20	620	28	230					
FFM 600, L= 500	1.04FFM2.060010	PN10	600	500	780	20	725	31	205					
FFM 600, L= 600	1.04FFM2.060020	PN10	600	600	780	20	725	31	224					
FFM 600, L= 700	1.04FFM2.060030	PN10	600	700	780	20	725	31	248					
FFM 600, L= 800	1.04FFM2.060040	PN10	600	800	780	20	725	31	268					
FFM 600, L= 900	1.04FFM2.060050	PN10	600	900	780	20	725	31	288					
FFM 600, L= 1000	1.04FFM2.060060	PN10	600	1000	780	20	725	31	310					
FFM 700, L= 500	1.04FFM2.070010	PN10	700	500	895	24	840	31	268					
FFM 700, L= 600	1.04FFM2.070020	PN10	700	600	895	24	840	31	295					
FFM 700, L= 700	1.04FFM2.070030	PN10	700	700	895	24	840	31	320					
FFM 700, L= 800	1.04FFM2.070040	PN10	700	800	895	24	840	31	348					
FFM 700, L= 900	1.04FFM2.070050	PN10	700	900	895	24	840	31	370					
FFM 700, L= 1000	1.04FFM2.070060	PN10	700	1000	895	24	840	31	402					
FFM 800, L= 500	1.04FFM2.080010	PN10	800	500	1015	24	950	34	345					
FFM 800, L= 600	1.04FFM2.080020	PN10	800	600	1015	24	950	34	375					
FFM 800, L= 700	1.04FFM2.080030	PN10	800	700	1015	24	950	34	410					
FFM 800, L= 800	1.04FFM2.080040	PN10	800	800	1015	24	950	34	440					
FFM 800, L= 900	1.04FFM2.080050	PN10	800	900	1015	24	950	34	475					
FFM 800, L= 1000	1.04FFM2.080060	PN10	800	1000	1015	24	950	34	510					
FFM 900, L= 500	1.04FFM2.090010	PN10	900	500	1115	28	1050	34	410					
FFM 900, L= 600	1.04FFM2.090020	PN10	900	600	1115	28	1050	34	450					
FFM 900, L= 700	1.04FFM2.090030	PN10	900	700	1115	28	1050	34	490					
FFM 900, L= 800	1.04FFM2.090040	PN10	900	800	1115	28	1050	34	530					
FFM 900, L= 900	1.04FFM2.090050	PN10	900	900	1115	28	1050	34	575					
FFM 900, L= 1000	1.04FFM2.090060	PN10	900	1000	1115	28	1050	34	610					
FFM 1000, L= 500	1.04FFM2.100010	PN10	1000	500	1230	28	1160	37	510					
FFM 1000, L= 600	1.04FFM2.100020	PN10	1000	600	1230	28	1160	37	550					
FFM 1000, L= 700	1.04FFM2.100030	PN10	1000	700	1230	28	1160	37	595					

Double flanged pipe with puddle flange (FFM) PN10/16

Article	Article Nr.	PN	ø DN [mm]	L [mm]	ø M [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]					
FFM 1000, L= 800	1.04FFM2.100040	PN10	1000	800	1230	28	1160	37	640					
FFM 1000, L= 900	1.04FFM2.100050	PN10	1000	900	1230	28	1160	37	690					
FFM 1000, L= 1000	1.04FFM2.100060	PN10	1000	1000	1230	28	1160	37	740					
FFM 1200, L= 500	1.04FFM2.120010	PN10	1200	500	1455	32	1380	41	680					
FFM 1200, L= 600	1.04FFM2.120020	PN10	1200	600	1455	32	1380	41	735					
FFM 1200, L= 700	1.04FFM2.120030	PN10	1200	700	1455	32	1380	41	780					
FFM 1200, L= 800	1.04FFM2.120040	PN10	1200	800	1455	32	1380	41	835					
FFM 1200, L= 900	1.04FFM2.120050	PN10	1200	900	1455	32	1380	41	890					
FFM 1200, L= 1000	1.04FFM2.120060	PN10	1200	1000	1455	32	1380	41	950					
FFM 200, L= 400	1.04FFM3.020010	PN16	200	400	340	12	295	23	40					
FFM 200, L= 500	1.04FFM3.020020	PN16	200	500	340	12	295	23	45					
FFM 200, L= 600	1.04FFM3.020030	PN16	200	600	340	12	295	23	50					
FFM 200, L= 700	1.04FFM3.020040	PN16	200	700	340	12	295	23	54					
FFM 200, L= 800	1.04FFM3.020050	PN16	200	800	340	12	295	23	58					
FFM 200, L= 900	1.04FFM3.020060	PN16	200	900	340	12	295	23	63					
FFM 200, L= 1000	1.04FFM3.020070	PN16	200	1000	340	12	295	23	68					
FFM 250, L= 400	1.04FFM3.020080	PN16	250	400	405	12	355	28	56					
FFM 250, L= 500	1.04FFM3.020090	PN16	250	500	405	12	355	28	62					
FFM 250, L= 600	1.04FFM3.020100	PN16	250	600	405	12	355	28	68					
FFM 250, L= 700	1.04FFM3.020110	PN16	250	700	405	12	355	28	74					
FFM 250, L= 800	1.04FFM3.020120	PN16	250	800	405	12	355	28	80					
FFM 250, L= 900	1.04FFM3.020130	PN16	250	900	405	12	355	28	86					
FFM 250, L= 1000	1.04FFM3.020140	PN16	250	1000	405	12	355	28	92					
FFM 300, L= 400	1.04FFM3.030010	PN16	300	400	460	12	410	28	75					
FFM 300, L= 500	1.04FFM3.030020	PN16	300	500	460	12	410	28	82					
FFM 300, L= 600	1.04FFM3.030030	PN16	300	600	460	12	410	28	90					
FFM 300, L= 700	1.04FFM3.030040	PN16	300	700	460	12	410	28	96					
FFM 300, L= 800	1.04FFM3.030050	PN16	300	800	460	12	410	28	105					
FFM 300, L= 900	1.04FFM3.030060	PN16	300	900	460	12	410	28	112					
FFM 300, L= 1000	1.04FFM3.030070	PN16	300	1000	460	12	410	28	118					
FFM 350, L= 500	1.04FFM3.030080	PN16	350	500	520	16	470	28	105					
FFM 350, L= 600	1.04FFM3.030090	PN16	350	600	520	16	470	28	115					
FFM 350, L= 700	1.04FFM3.030100	PN16	350	700	520	16	470	28	125					
FFM 350, L= 800	1.04FFM3.030110	PN16	350	800	520	16	470	28	135					
FFM 350, L= 900	1.04FFM3.030120	PN16	350	900	520	16	470	28	140					
FFM 350, L= 1000	1.04FFM3.030130	PN16	350	1000	520	16	470	28	155					
FFM 400, L= 500	1.04FFM3.040010	PN16	400	500	580	16	525	31	130					
FFM 400, L= 600	1.04FFM3.040020	PN16	400	600	580	16	525	31	142					
FFM 400, L= 700	1.04FFM3.040030	PN16	400	700	580	16	525	31	155					
FFM 400, L= 800	1.04FFM3.040040	PN16	400	800	580	16	525	31	165					
FFM 400, L= 900	1.04FFM3.040050	PN16	400	900	580	16	525	31	175					
FFM 400, L= 1000	1.04FFM3.040060	PN16	400	1000	580	16	525	31	188					
FFM 450, L= 500	1.04FFM3.040070	PN16	450	500	640	20	585	31	160					

Double flanged pipe with puddle flange (FFM) PN10/16

Article	Article Nr.	PN	ø DN [mm]	L [mm]	ø M [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]					
FFM 450, L= 600	1.04FFM3.040080	PN16	450	600	640	20	585	31	175					
FFM 450, L= 700	1.04FFM3.040090	PN16	450	700	640	20	585	31	186					
FFM 450, L= 800	1.04FFM3.040100	PN16	450	800	640	20	585	31	205					
FFM 450, L= 900	1.04FFM3.040110	PN16	450	900	640	20	585	31	225					
FFM 450, L= 1000	1.04FFM3.040120	PN16	450	1000	640	20	585	31	235					
FFM 500, L= 500	1.04FFM3.050010	PN16	500	500	715	20	650	34	195					
FFM 500, L= 600	1.04FFM3.050020	PN16	500	600	715	20	650	34	210					
FFM 500, L= 700	1.04FFM3.050030	PN16	500	700	715	20	650	34	225					
FFM 500, L= 800	1.04FFM3.050040	PN16	500	800	715	20	650	34	245					
FFM 500, L= 900	1.04FFM3.050050	PN16	500	900	715	20	650	34	260					
FFM 500, L= 1000	1.04FFM3.050060	PN16	500	1000	715	20	650	34	375					
FFM 600, L= 500	1.04FFM3.060010	PN16	600	500	840	20	770	37	265					
FFM 600, L= 600	1.04FFM3.060020	PN16	600	600	840	20	770	37	285					
FFM 600, L= 700	1.04FFM3.060030	PN16	600	700	840	20	770	37	310					
FFM 600, L= 800	1.04FFM3.060040	PN16	600	800	840	20	770	37	330					
FFM 600, L= 900	1.04FFM3.060050	PN16	600	900	840	20	770	37	348					
FFM 600, L= 1000	1.04FFM3.060060	PN16	600	1000	840	20	770	37	370					
FFM 700, L= 500	1.04FFM3.070010	PN16	700	500	910	24	840	37	310					
FFM 700, L= 600	1.04FFM3.070020	PN16	700	600	910	24	840	37	335					
FFM 700, L= 700	1.04FFM3.070030	PN16	700	700	910	24	840	37	360					
FFM 700, L= 800	1.04FFM3.070040	PN16	700	800	910	24	840	37	388					
FFM 700, L= 900	1.04FFM3.070050	PN16	700	900	910	24	840	37	410					
FFM 700, L= 1000	1.04FFM3.070060	PN16	700	1000	910	24	840	37	440					
FFM 800, L= 500	1.04FFM3.080010	PN16	800	500	1025	24	950	41	505					
FFM 800, L= 600	1.04FFM3.080020	PN16	800	600	1025	24	950	41	435					
FFM 800, L= 700	1.04FFM3.080030	PN16	800	700	1025	24	950	41	470					
FFM 800, L= 800	1.04FFM3.080040	PN16	800	800	1025	24	950	41	500					
FFM 800, L= 900	1.04FFM3.080050	PN16	800	900	1025	24	950	41	535					
FFM 800, L= 1000	1.04FFM3.080060	PN16	800	1000	1025	24	950	41	570					
FFM 900, L= 500	1.04FFM3.090010	PN16	900	500	1125	28	1050	41	470					
FFM 900, L= 600	1.04FFM3.090020	PN16	900	600	1125	28	1050	41	510					
FFM 900, L= 700	1.04FFM3.090030	PN16	900	700	1125	28	1050	41	550					
FFM 900, L= 800	1.04FFM3.090040	PN16	900	800	1125	28	1050	41	590					
FFM 900, L= 900	1.04FFM3.090050	PN16	900	900	1125	28	1050	41	635					
FFM 900, L= 1000	1.04FFM3.090060	PN16	900	1000	1125	28	1050	41	670					
FFM 1000, L= 500	1.04FFM3.100010	PN16	1000	500	1255	28	1170	44	600					
FFM 1000, L= 600	1.04FFM3.100020	PN16	1000	600	1255	28	1170	44	670					
FFM 1000, L= 700	1.04FFM3.100030	PN16	1000	700	1255	28	1170	44	720					
FFM 1000, L= 800	1.04FFM3.100040	PN16	1000	800	1255	28	1170	44	760					
FFM 1000, L= 900	1.04FFM3.100050	PN16	1000	900	1255	28	1170	44	810					
FFM 1000, L= 1000	1.04FFM3.100060	PN16	1000	1000	1255	28	1170	44	860					
FFM 1200, L= 500	1.04FFM3.120010	PN16	1200	500	1485	32	1390	50	860					
FFM 1200, L= 600	1.04FFM3.120020	PN16	1200	600	1485	32	1390	50	815					

Double flanged pipe with puddle flange (FFM) PN10/16

Article	Article Nr.	PN	ø DN [mm]	L [mm]	ø M [mm]	Holes # [DN]	ø K [mm]	ø S [mm]	G [kg]					
FFM 1200, L= 700	1.04FFM3.120030	PN16	1200	700	1485	32	1390	50	960					
FFM 1200, L= 800	1.04FFM3.120040	PN16	1200	800	1485	32	1390	50	1015					
FFM 1200, L= 900	1.04FFM3.120050	PN16	1200	900	1485	32	1390	50	1070					
FFM 1200, L= 1000	1.04FFM3.120060	PN16	1200	1000	1485	32	1390	50	1130					