

CONNECTION TO OTHER MATERIALS

CAST IRON TO CAST IRON AND CAST IRON TO OTHER MATERIALS

PAM cast iron connections to other materials may often be required in new construction projects or for renovation.

Different solutions can be used with products from our catalog (see figures below).

Depending on the outside diameters, solutions exist for compensation.

If you are unsure of the circumference of the material being connected, you can use a circumference tape.

The range of tolerance of the different joints can help you find the required solution.

The table below lists the solutions for connecting PAM cast iron to the most frequently encountered material.

1. SMU PAM + Stepping ring (SR)



3. Adapting collar = AC



Max. Pressure 1.5 bar/Stainless steel 304

5. A = B



2. Adapting joint = AJ



Max. Pressure 0.6 bar/
Stainless steel 304

4. Adapting collar (AC) +
Stepping ring (SR)



Max. Pressure 1.5 bar /Stainless steel 304

DN*	Existing network material	OD (mm)	Circumference (mm)	Admissible tolerance of couplings (mm)		Coupling type	Product code	Reference diagram
				DE	Perimeter			
50	S Range, Plus range	58	182	55-60	172-188	SMU PAM	229384	5
	PVC	50	157	55-60 49-52	172-188 153-163	SMU PAM + SR	229384 156399	1
	HDPE	50	157	55-60 49-52	172-188 153-163	SMU PAM + SR	229384 156399	1
75	S Range, Plus range	83	260	81-86	254-270	SMU PAM	229386	5
	Old cast iron	64	201	81-86 62-65 58-79	254-270 194-204 182-248	SMU PAM + SR	229386 156495	1
		77	241	81-86 75-79 58-79	254-270 235-248 182-248	SMU PAM + SR	229386 156494	1
		90	282	75-90	235-282	SMU "AC"	255300	3
	PVC	75	235	81-86 75-79 58-79	254-270 235-248 182-248	SMU PAM + SR	229386 156494	1
		80	251	75-79	235-282	SMU "AC"	255300	3
	HDPE	63	197	81-86 62-65 58-79	254-270 194-204 182-248	SMU PAM + SR	229386 156495	1
		75	235	81-86 75-79 58-79	254-270 235-248 182-248	SMU PAM + SR	229386 156494	1

DN*	Existing network material	OD (mm)	Circumference (mm)	Admissible tolerance of couplings (mm)		Coupling type	Product code	Reference diagram
				DE	Perimeter			
100	S Range, Plus range	110	345	107-112	335-351	SMU PAM	229387	5
	Old cast iron	91	285	107-112 90-93 78-106	335-351 282-292 244-332	SMU PAM + SR	229387 156555	1
		104	326	100-115 78-106	314-361 244-332	SMU "AC"	155002	3
		118	370	110-121	345-380	SMU "AC"	TXB10NP01	3
	Ductile iron	118	370	110-121	345-380	SMU "AC"	TXB10NP01	3
	Fibre cement	115	361	110-121	345-380	SMU "AC"	TXB10NP01	3
	PVC	100	314	107-112 99-102 78-106	335-351 310-320 244-332	SMU PAM + SR	229387 156635	1
		110	345	107-112	335-351	SMU PAM	229387	5
	HDPE	90	282	107-112 89-92 78-106	335-351 279-288 244-332	SMU PAM + SR	229387 156555	1
		110	345	107-112	335-351	SMU PAM	229387	5
	Steel	114	358	100-115	314-361	SMU "AC"	155002	3
	Sandstone	132	414	110-115 130-145	345-361 408-455	SMU "AJ"	Contact us	2
	Concrete	136	427	110-115 130-145	345-361 408-455	SMU "AJ"	Contact us	2
125	S Range, Plus range	135	424	133-138	417-433	SMU PAM	230135	5
	Old cast iron	118	370	110-125 121-136	345-387 408-427	SMU "AJ"	Contact us	2
		145	455	130-150	408-471	SMU "AC"	TXB12NLOG	3
	Ductile iron	144	452	130-150	408-471	SMU "AC"	TXB12NLOG	3
	Fibre cement	141	442	130-150	408-471	SMU "AC"	TXB12NLOG	3
	PVC and HDPE	125	392	133-138 123-127	417-433 386-398	SMU PAM + SR	230135 156778	1
	Steel	139	436	130-150	408-471	SMU "AC"	TXB12NLOG	3
Sandstone	159	499	121-136 144-160	379-427 452-502	SMU "AJ"	Contact us	2	
150	S Range, Plus range	160	502	158-164	496-514	SMU PAM	230136	5
	Old cast iron	145	455	130-145	408-455	SMU "AJ"	155003	2
		172	540	155-170 150-175	486-534 471-549	SMU "AC"	TXB15NMOJ	3
	Ductile iron	170	534	150-175	471-549	SMU "AC"	TXB15NMOJ	3
	Fibre cement	166	521	150-175	471-549	SMU "AC"	TXB15NMOJ	3
	PVC	140	439	130-145 155-170	408-455 486-534	SMU "AJ"	155003	2
	PVC and HDPE	160	502	158-164	496-514	SMU PAM	230136	5
	Steel	168	527	150-175	471-549	SMU "AC"	TXB15NMOJ	3
	Sandstone	186	584	144-160 170-193	452-502 533-606	SMU "AJ"	Contact us	2
Concrete	190	596	144-160 170-193	452-502 533-606	SMU "AJ"	Contact us	2	

CONNECTION TO OTHER MATERIALS

CAST IRON TO CAST IRON AND CAST IRON TO OTHER MATERIALS

DN*	Existing network material	OD (mm)	Circumference (mm)	Admissible tolerance of couplings (mm)		Coupling type	Product code	Reference diagram
				DE	Perimeter			
200	S Range, Plus range	210	659	207-213	650-668	SMU PAM	230137	5
	Old cast iron	172	540	170-193 210-235	534-606 659-738	SMU "AJ"	155004	2
		197	618	200-225 192-201	628-706 603-631	SMU "AC" + SR	TXB20NNOK	4
		218	684	200-225	628-706	SMU "AC"	TXB20NLOK	3
		225	706					
	Ductile iron	222	697	200-225	628-706	SMU "AC"	TXB20NLOK	3
	Fibre cement	218	684	200-225	628-706	SMU "AC"	TXB20NLOK	3
	PVC and HDPE	200	628	207-213 198-202	649-668 621-634	SMU PAM + SR	230137 157000	1
	Steel	219	688	200-225	628-706	SMU "AC"	TXB20NLOK	3
	Sandstone	242	760	204-219 238-254	640-687 747-797	SMU "AJ"	Contact us	2
Concrete	244	766	204-219 238-254	640-687 747-797	SMU "AJ"	Contact us	2	
250	S Range, Plus range	274	860	271-276	850-868	PAM Rapid S	228759	5
	Old cast iron	242	760	240-265 260-285	753-832 816-894	SMU "AJ"	TXB25NQOK	2
		279	876	260-285	816-894	SMU "AC"	143192	2
	Ductile iron	274	860	271-276	850-868	PAM Rapid S	228759	5
	Fibre cement	274	860	271-276	850-868	PAM Rapid S	228759	5
	PVC and HDPE	250	785	271-276 248-252	850-868 778-791	PAM Rapid S + SR	228759 157085	1
	Steel	273	857	271-276	850-868	PAM Rapid S	228759	5
Sandstone	296	929	285-310 270-290	894-973 847-910	SMU "AC" + SR	TXB25NQOL	4	
300	S Range, Plus range	326	1024	323-328	1014-1031	PAM Rapid S	228771	5
	Old cast iron	312	980	310-335	973-1051	SMU "AC"	TXB30NN02	3
		331	1039	310-335	973-1051	SMU "AC"	TXB30NN02	3
	Ductile iron	326	1024	323-328	1014-1031	PAM Rapid S	228771	5
	Fibre cement	329	1033	310-335	973-1051	SMU "AC"	TXB30NN02	3
	PVC and HDPE	315	989	310-335	973-1051	SMU "AC"	TXB30NN02	3
	Steel	324	1017	323-328	1014-1031	PAM Rapid S	228771	5
	Sandstone	350	1099	320-340 335-360	1005-1068 1051-1130	SMU "AC" + SR	TXB30NQOM	4
Concrete	374	1174	310-335 350-375	973-1051 1099-1178	SMU "AJ"	Contact us	2	