



Product certificate K6178/12

Issued 2023-09-01

Replaces K6178/11

Page 1 of 8

Metal Axial press fittings for the RAUTITAN system

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

REHAU Industries SE & Co. KG

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K536D "PE-X pipes intended for transport of hot and cold drinking water", dated 15-12-2011, inclusive amendment sheet dated 01-03-2015.

Ron Scheepers
Kiwa

*This product certificate is only valid in combination with a Kiwa certified plastics piping system.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.*

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Metal Axial press fittings for the RAUTITAN system

PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate.

The metal fittings also comply with BRL K536 E "Plastics piping systems of PE-X /Al intended for transport of hot and cold drinking water"

FITTINGS DESCRIPTION AND SIZE

	Article no. CW617N brass fittings	Article no. CW617N brass fittings	Article no. CC499K gunmetal fittings	Article no. CuSn4Zn2PS gunmetal fittings
RAUTITAN T-stuk, met PE-X aansluitingen met gelijke aansluitwijdten (Equal tee, PE-X connection)				
12	168197	-	-	-
16	312948	-	377724	456450
20	312949	-	377726	456451
25	312951	-	377727	456452
32	312952	-	377728	456453
40	312953	-	-	-
50	312954	168075	366001	456280
63	312955	168081	366002	456281
RAUTITAN T-stuk, verloopaftakking (Tee, reduced tap)				
16-12-16	168028	-	-	-
20-12-20	168033	-	-	-
20-16-20	312956	-	377730	456455
25-16-25	312957	-	377731	456456
25-20-25	312958	-	377732	456454
32-16-25	-	-	366275	456397
32-16-32	168051	-	-	-
32-20-32	168054	-	377733	456458
32-25-32	312960	-	377738	456462
40-16-32	-	-	366276	456398
40-20-32	-	-	366277	456399
40-20-40	168064	-	-	-
40-25-40	168065	-	-	-
40-32-40	168067	-	-	-
50-20-50	-	-	366003	456282
50-25-50	168071	-	366004	456283
50-32-50	312961	168073	366005	456284
50-40-50	168074	-	366006	456285
63-25-63	-	-	366008	456286
63-32-63	312962	168078	366009	456287
63-40-63	-	-	366010	456288
63-50-63	168080	-	366011	456289
RAUTITAN Tee, reduced				
16-16-12	168029	-	-	-
20-20-16	168036	-	377739	456463
25-25-16	312963	-	377740	456464
25-25-20	312964	-	-	-
32-32-25	168059	-	-	-
RAUTITAN T-stuk, verloopaftakking en verloopdoorgang (Tee, reduced and reduced tap)				
16-12-12	168198	-	-	-
20-16-16	168034	-	377741	456465
25-16-16	168040	-	377742	456466
25-16-20	168041	-	377743	456467
25-20-16	168043	-	-	-

Metal Axial press fittings for the RAUTITAN system

25-20-20	312965	-	377744	456468
32-20-25	168053	-	-	-
32-25-25	312966	-	377746	456469
40-32-32	168066	-	-	-
50-32-40	168072	-	366012	456290

RAUTITAN Tee, enlarged tap

16-20-16	168031	-	377747	456470
20-25-20	168039	-	-	-

RAUTITAN Tee, male thread

16 - 16 - R 1/2"	-	-	366279	456400
20 - 20 - R 1/2"	-	-	366280	456401
20 - 20 - R 3/4"	-	-	366281	456402

RAUTITAN Tee, MeplaFix on tap

16-Fix-16	-	-	366288	456407
20-Fix-20	-	-	366294	456412

RAUTITAN Wall plate Tee, female thread

16 - RP 1/2" – 16	168121	-	366016	456291
20 - RP 1/2" – 20	168122	-	366018	456294

RAUTITAN Wall plate Tee, female thread on tap

20 - RP 1/2" – 16	-	-	366017	456293
25 - RP 1/2" - 25	-	-	366297	456414
25 - RP 3/4" - 20	313091	-	-	-
25 - RP 3/4" - 25	312967	168050	366020	456296
32 - RP 3/4" - 25	168062	-	366024	456298
32 - RP 3/4" - 32	168063	-	366021	456297
32 - RP 1" - 32	312968	168061	366026	456299
40 - RP 1" - 40	-	-	366028	456300
50 - RP 1" - 50	-	-	366031	456301

RAUTITAN Straight coupling PE-X connection x PE-X connection

12	168176	-	-	-
16	312969	-	377712	456439
20	312970	-	377713	456440
25	312971	-	377714	456441
32	312973	-	377716	456442
40	312972	-	-	-
50	312974	168020	366034	456302
63	312975	168022	366036	456303

RAUTITAN Straight reducer coupling PE-X connection x PE-X connection

20-16	312976	-	377718	456444
25-16	-	-	377719	456445
25-20	312977	-	377720	456446
32-25	312978	-	377721	456447
40-25	312981	-	366260	456395
40-32	312980	-	-	-
50-32	168018	-	366039	456304
50-40	312983	168019	366041	456305
63-50	312984	168021	366043	456306

Metal Axial press fittings for the RAUTITAN system

RAUTITAN Coupler PE-X connection x male thread

12 - R 1/2"	168082	-	-	-
16 - R 1/2"	312992	168085	366049	456311
16 - R 3/4"	312993	-	366050	456312
16 - R 1"	-	-	366051	456313
20 - R 1/2"	312994	168090	366052	456314
20 - R 1"	168091	-	366055	456316
20 - R 3/4"	312995	-	366053	456315
25 - R 1/2"	312996	168097	366056	456317
25 - R 3/4"	312997	168099	366057	456318
25 - R 1"	312998	168098	366058	456319
32 - R 3/4"	312999	168106	366059	456320
32 - R 1"	313058	168105	366060	456321
32 - R 1 1/4"	-	-	366061	456322
40 - R 1 1/4"	313060	168109	366062	456323
50 - R 1 1/4"	-	-	366063	456324
50 - R 1 1/2"	313061	168111	366065	456325
63 - R2"	313062	168113	366066	456326

RAUTITAN Straight coupler PE-X x MeplaFix connection

16-Fix	-	-	366286	456405
20-Fix	-	-	366291	456410

RAUTITAN Coupler PE-X connection x female thread

16 - RP 1/2"	313063	-	366067	456327
20 - RP 1/2"	313064	-	366068	456328
20 - RP 3/4"	313065	168094	366069	456329
25 - RP 1/2"	-	-	366070	456330
25 - RP 3/4"	313066	-	366071	456331
25 - RP 1"	313085	-	366289	456408
32 - RP 3/4"	313067	168108	366072	456332
32 - RP 1"	313068	-	366073	456333
40 - RP 1 1/4"	313069	168110	366074	456334

RAUTITAN Connection coupling with swivel nut

16 - G 1/2"	168083	-	366075	456335
16 - G 1/2"	-	-	366146	456393
16 - G 3/4"	-	-	366076	456336
20 - G 1/2"	-	-	366077	456337
20 - G 3/4"	168089	-	366078	456338
25 - G 3/4"	168096	-	366079	456339
25 - G 1"	-	-	366080	456340
32 - G 1"	168103	-	366081	456341
32 - G 1 1/4"	-	-	366082	456342
32 - G 1 1/2"	-	-	366083	456343
40 - G 1 1/2"	-	-	366084	456344
50 - G 1 3/4"	-	-	366086	456345
63 - G 2 3/8"	-	-	366087	456346

RAUTITAN Elbow 90° PE-X connection x PE-X connection

12 - 90°	168142	-	-	-
16 - 90°	312985	-	377701	456429
20 - 90°	312986	-	377702	456430
25 - 90°	312987	-	377703	456431
32 - 90°	312988	-	377704	456432
40 - 90°	312989	-	-	-
50 - 90°	312990	168153	366044	456307
63 - 90°	312991	168155	366046	456308

Metal Axial press fittings for the RAUTITAN system

RAUTITAN Elbow 90° PE-X connection x MeplaFix connection

16-Fix	-	-	366287	456406
20-Fix	-	-	366292	456411

RAUTITAN Elbow 45°, PE-X connection x PE-X connection

32 - 45°	168148	-	-	-
50 - 45°	168152	-	366047	456309
63 - 45°	168154	-	366048	456310

RAUTITAN Elbow 90° PE-X connection x male thread

16 - R 1/2"	168161	-	366088	456347
20 - R 1/2"	168162	-	366089	456348
20 - R 3/4"	168163	-	366090	456349
25 - R 3/4"	313070	-	366091	456350
32 - R 3/4"	-	-	366092	456351
32 - R 1"	313071	168165	366093	456352

RAUTITAN Elbow 90° PE-X connection x female thread

16 - 1/2" RP	168156	-	366094	456353
16 - 3/4" RP	168157	-	366095	456354
20 - 1/2" RP	168158	-	366096	456355
20 - 3/4" RP	168159	-	366097	456356
25 - Rp 1	168160	-	366098	456357

RAUTITAN Connection elbow

16 - G 1/2"	-	-	366259	456394
16 - G 1/2"	-	-	366268	456396
20 - G 1/2"	-	-	366295	456413

RAUTITAN Wall-mounted 90° elbow with flow-through

16/16 - Rp 1/2" short	-	-	366284	456403
16/20 - Rp 1/2" short	-	-	366300	456416
20/16 - Rp 1/2" short	-	-	366303	456417
20/20 - Rp 1/2" short	-	-	366285	456404
25/25 - Rp 1/2" short	-	-	366350	456421
25/25 - Rp 1/2" long	-	-	366351	456422

RAUTITAN Wall-mounted 90° elbow

Rp 1/2" / Rp 1/2"	-	-	366298	456415
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RAUTITAN Wall plate, PE-X connection x short female thread

12 - RP 1/2"	168123	-	-	-
16 - RP 3/8"	168128	-	-	-
16 - RP 1/2"	313072	168125	366099	456358
20 - RP 1/2"	313073	168131	366100	456359
20 - RP 3/4"	313074	168134	366101	456360
25 - RP 3/4"	313075	168135	366102	456361

RAUTITAN Wall plate, PE-X connection x long female thread

16 - RP 1/2"	168126	-	366105	456362
20 - RP 1/2"	168132	-	366106	456363
16 - RP 1/2", 59 mm	-	-	366112	456371
20 - RP 1/2", 59 mm	-	-	366113	456372
16 - Rp 1/2", 70 mm	-	-	366314	456418
20 - Rp 1/2", 70 mm	-	-	366346	456420

RAUTITAN Wall plate, PE-X connection x male thread

Metal Axial press fittings for the RAUTITAN system

16 - R 1/2"	-	-	366107	456364
20 - R 1/2"	-	-	366108	456365
20 - R 3/4"	-	-	366109	456366
RAUTITAN Square wall plate				
16 - RP 1/2"	168140	-	366110	456367
20 - RP 1/2"	-	-	366111	456369
RAUTITAN Connection elbow for concealed flushing cisterns				
16 - RP 1/2"x18	-	-	366114	456373
RAUTITAN Wall plate for plaster board				
16 - RP 1/2"	168136	-	366115	456374
20 - RP 1/2"	-	-	366116	456375
RAUTITAN Wall plate for chipboard				
16 - Rp 1/2"x28	-	-	366117	456376
20 - Rp 1/2"x28	-	-	366118	456377
RAUTITAN Wall plate for wood chipboard				
16 - Rp 1/2"x35	-	-	366335	456419
16 - Rp 1/2"x55	-	-	366120	456378
16 - Rp 1/2"x55	-	-	366121	456379
RAUTITAN (Wall plate duct)				
16 - RP 1/2"x28	-	-	366123	456380
16 - RP 1/2"x55	-	-	366122	-
RAUTITAN Wall plate with flank, female thread				
16 - Rp 1/2"	-	-	366126	456381
20 - Rp 1/2"	168004	-	366127	456382
RAUTITAN Divider with sliding connection				
Verdeler 2-groeps R/RP 3/4" - 16x2,2	168024	-	366128	456383
Verdeler 2-groeps R/RP 3/4" - 20x2,8	168025	-	366130	456384
Verdeler 3-groeps R/RP 3/4" - 16x2,2	168026	-	366131	456385
Verdeler 3-groeps R/RP 3/4" - 20x2,8	168027	-	366132	456386
RAUTITAN Blind plug				
16x2,2	168001	-	366139	456387
20x2,8	168002	-	366140	456388
RAUTITAN End plug				
RP 1/2"	-	-	366143	456391
RP 3/4"	-	-	366144	456392
RAUTITAN Connection coupling with press swivel nut				
16-G 1/2" - 15 mm	168167	-	-	-
RAUTITAN transition coupling				
16 - L12 100 mm	168114	-	-	-
RAUTITAN Transition coupling with compression end				
16-15 mm	168172	-	-	-
20-15 mm	168173	-	-	-
20-22 mm	168174	-	-	-
25-22 mm	168175	-	-	-
RAUTITAN Transition coupling with compression end				
16-G 1/2" - 15 mm	314099	-	-	-

Metal Axial press fittings for the RAUTITAN system

20-G 1/2" - 15 mm	314109	-	-	-
20-W 1 1/8" - 22 mm	314119	-	-	-
25-W 1 1/8" - 22 mm	313078	-	-	-
RAUTITAN Transition elbow coupling 90°				
16 - L12	168180	-	-	-
16 - L15	168182	-	-	-
16 - L15	168189	-	-	-
RAUTITAN Transition elbow coupling 90°				
12 - L12	168179	-	-	-
16 - L12	168181	-	-	-
16 - L15	168183	-	-	-
RAUTITAN Transition straight coupling				
16 - L12	168114	-	-	-
RAUTITAN Coupling with solder end, RX				
16 - L15	-	-	137206	456273
20 - L15	-	-	287193	456278
20 - L18	-	-	137216	456274
20 - L22	-	-	137506	456277
20 - L28	-	-	219674	-
25 - L22	-	-	137226	456275
25 - L28	-	-	287196	456279
32 - L22	-	-	137368	-
32 - L28	-	-	137236	456276
RAUTITAN Wall-mounted elbow with flow through				
16 - Rp 1/2 - 16	-	-	131385	456270
20 - Rp 1/2 - 20	-	-	131395	456271 and 456272

Fittings RAUTITAN SX SX of material Stainless steel 1.4404

Size	Male adaptors	Product code
16	R1/2" Male stainless steel adaptor SX	137722-001
20	R1/2" Male stainless steel adaptor SX	137782-001
20	R3/4" Male stainless steel adaptor SX	137732-001
25	R3/4" Male stainless steel adaptor SX	137742-001
32	R1" Male stainless steel adaptor SX	137752-001
40	R1 1/4" Male stainless steel adaptor SX	138972-001

Size	Press adaptor short	Product code
16	P15 – 30 mm SX stainless steel press adaptor	137672-001
20	P18 – 33 mm SX stainless steel press adaptor	137682-001
25	P22 – 32 mm SX stainless steel press adaptor	137692-001
32	P28 – 36 mm SX stainless steel press adaptor	137702-001
40	P35 – 36 mm SX stainless steel press adaptor	140142-001
50	P42 – 100 mm SX stainless steel press adaptor	460069-001
63	P54 – 100 mm SX stainless steel press adaptor	460071-001

Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

Metal Axial press fittings for the RAUTITAN system

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The minimum required marking on the fittings shall be:

- **KIWA**  or, on small products,  or  or  or KK (if not possible, **KIWA**  only on the smallest packaging unit);
- manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe, in mm;
- production code.

The realization of the marks is as follows: clear, durable and indelible.

The smallest packaging unit of the fittings are provided with at least the following information:

- **KIWA** ;
- certificate number of the accompanying technical approval (system) certificate, in accordance with the marking of the connecting pipe;
- manufacturer's name, trade name, system name or logo;
- nominal outside diameter and nominal wall thickness of the corresponding pipe, in mm.

The realization of the marks is as follows: clear, durable and indelible.

APPLICATION AND USE

The products are designed for drinking water installations with a lifetime of 50 years at an operating temperature profile according to class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar.

For the application and making of connections, the instructions of the products shall be followed. The fittings shall be used only in combination with metal or PVDF sleeves, PE-Xa and PE-X/Al multilayer pipes.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- REHAU Industries SE & Co. KG
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.