

FPL



Metal pipe couplings

Compression coupling for metallic pipes



*Engineering
GREAT Solutions*

FPL

This is a supremely flexible compression coupling for metallic pipes, soft and hard copper pipes and soft steel pipes in heating, cooling and tap water systems. The same body fits up to seven sizes of all different pipes, ensuring quick and easy installation and saving money by reducing storage space.



Key features

> Comprehensive range

For optimum flexibility and faster installation, the FPL is available in a Dy range of 6-54 mm.

> Complete or components

For ease-of-maintenance, the FPL is available as a complete coupling or as individual parts.

> AMETAL® construction

Dezincification-resistant alloy that guarantees a longer coupling lifetime, and lowers the risk of leakage.

Technical description

Applications:

Heating and cooling systems.
Tapwater systems.
Process systems where the media does not affect the incoming material.
Gas systems (natural gas, propane and butane)

Function:

FPL compression coupling for soft and hard copper pipes and soft steel pipes.

NOTE! FPL is not approved for gas installations in combination with steel pipes.

A support bush must be used with soft copper and steel pipes.

Dimensions:

Dy 6-54 mm.
The large combination possibilities – one connection body size handles several pipe dimensions by only changing the thrust nut and cone – reduces the required storage space substantially.

Pressure class:

PN 16

Temperature:

Max. working temperature: 100°C.
For temperatures over 100°C, please contact closest sales office.

Material:

Parts which are subject to water contact: AMETAL®

AMETAL® is the dezincification resistant alloy of IMI Hydronic Engineering.

Surface treatment:

Delivered as non-plated (yellow) or surface treated (chrome/nickle plated). See each product table.

Approvals:

Approved by Gastec for gas installations with copper pipes:
Certificate Q06/004 (Couplings approved for gas are marked in the product tables). Bodies are marked with:

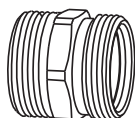


FPL for gas

FPL-bodies marked with “Q” (see Approvals) assembled with thrust nut in dim 10, 12, 15, 18, 22 and 28 mm are approved for gas installations with copper pipes and a maximum

working pressure of 1 bar according to “Gastec QA Approval Requirements No. 35” - Couplings approved for gas are marked in the product tables.

Possible combinations for FPL



Body with thread (d)	can be adapted to fit pipe from
G3/8	6, 8, 10, 12 mm
G1/2	8, 10, 12, 13, 14, 15, 16 mm
M22x1,5	10, 12, 14, 15, 16, 18 mm
M28x1,5	10, 12, 15, 16, 18, 19, 22 mm
M34x1,5	12, 15, 16, 18, 22, 28 mm
M42x2,0	22, 28, 35 mm
M50x2,0	28, 35, 36, 42 mm
M65x2,0	54 mm

Order example:

Straight: Specified couplings for D1 22 and D2 15 Article No 53 301-22x15

Elbow: Specified couplings for D1 22 and D2 15 Article No 53 304-22x15

Tee: Specified couplings for D1 12, D2 8 and D3 8 Article No 53 310-12x8x8

NOTE: The FPL-bodies are suitable for FPL, FPL-PX and FPL-MT couplings.

Components in the FPL system are NOT compatible with components of different make.

Tightening

No of turns

Dimension	Copper pipe/ Soft steel pipe	Chrome plated copper pipe	PEX-pipe	Stainless steel pipe
G3/8	1	1	2	-
G1/2	1	1	2	1,5
G3/4	1	1,5	2	-
M22x1,5	1	1	2	-
M22x1,5 x 18	1,5	1,5	-	-
M28x1,5	1	1,5	2	2
M34x1,5	1	1,5	2	1,5
M42x2,0	1	-	-	-
M50x2,0	1	-	-	-
M65x2,0	1	-	-	-
Half coupling 53 319-xxx	1,5	1,5	-	-

A support bush must be used with soft copper and steel pipes.

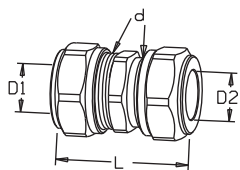
Stress corrosion

In certain cases stress corrosion can occur in association with the use of compression couplings, especially in the presence of ammonia, e.g. from use of certain cleaning fluids, in urinals etc.

To avoid stress corrosion given such circumstances we recommend that the thrust nut be loosened again immediately after initial tightening, then tightened lightly again. This alleviates the high deformation stress arising from initial tightening.

Components in the FPL system are NOT compatible with components of different make.

FPL – Straight

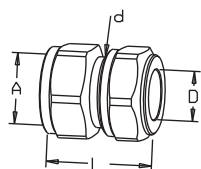

TA 301 Straight
 Chrome plated

D1xD2	d	L ¹	Gas approved	EAN	Article No
8	G3/8	43		7318793605009	53 301-208
10	G3/8	43	X	7318793605108	53 301-210
12	G3/8	43	X	7318793605207	53 301-212
15	G1/2	52	X	7318793605306	53 301-515
16**	M22x1,5	46		7318793625908	53 301-416
18	M28x1,5	42	X	7318793684608	53 301-818
22	M28x1,5	56	X	7318793684707	53 301-822
10x8	G3/8	43		7318793605405	53 301-223
12x8	G3/8	43		7318793605504	53 301-224
12x10	G3/8	43	X	7318793605603	53 301-225
15x10	G1/2xG3/8	46	X	7318793605702	53 301-529
15x12	G1/2xG3/8	46	X	7318793605801	53 301-531

Non-plated (yellow)

D1xD2	d	L ¹	Gas approved	EAN	Article No
18	M28x1,5	56	X	7318793683007	53 301-618
22	M28x1,5	55	X	7318793683106	53 301-622
28	M34x1,5	60	X	7318793684905	53 301-928
35	M42x2,0	66		7318793685100	53 301-035
42	M50x2,0	70		7318793685209	53 301-042
54	M65x2,0	84		7318793685308	53 301-054
36x35	M50x2,0	70		7318793685001	53 301-033

When sizes 1 and 2 are the same, only 1 is given.


TA 302 Straight

Female

Chrome plated

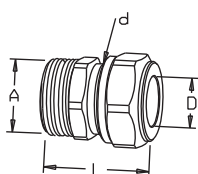
DxA	d	L ¹	EAN	Article No
10xG1/8	G3/8	32	7318793626608	53 302-203
12xG1/8	G3/8	32	7318793626707	53 302-204
10xG1/4	G3/8	32	7318793626905	53 302-206
12xG1/4	G3/8	32	7318793627001	53 302-207
10xG3/8	G3/8	32	7318793608000	53 302-210
12xG3/8	G3/8	32	7318793608208	53 302-212
15xG3/8	G1/2	36	7318793608406	53 302-215
10xG1/2	G3/8	34	7318793608109	53 302-510
12xG1/2	G3/8	34	7318793608505	53 302-512
15xG1/2	G1/2	38	7318793608307	53 302-515
16xG1/2	M22x1,5	32	7318793627209	53 302-416
22xG3/4	M28x1,5	42	7318793688101	53 302-822

***) Nickel plated

1) Over all length L refers to unassembled coupling.

Non-plated (yellow)

DxA	d	L ¹	EAN	Article No
18xG1/2	M28x1,5	40	7318793685902	53 302-318
22xG1/2	M28x1,5	40	7318793689306	53 302-322
15xG3/4	M28x1,5	42	7318793687005	53 302-615
18xG3/4	M28x1,5	42	7318793687401	53 302-618
22xG3/4	M28x1,5	42	7318793687500	53 302-622
28xG3/4	M34x1,5	47	7318793687807	53 302-628
22xG1	M34x1,5	50	7318793688200	53 302-922
28xG1	M34x1,5	50	7318793688408	53 302-928
35xG1 1/4	M42x2,0	54	7318793685506	53 302-035
36xG1 1/2	M50x2,0	56	7318793685605	53 302-036
42xG1 1/2	M50x2,0	56	7318793685704	53 302-042
54xG2	M65x2,0	66	7318793688903	53 302-054


TA 303 Straight

Male

Chrome plated

DxA	d	L ¹	Gas approved	EAN	Article No
8xR1/2	G3/8	34		7318793627803	53 303-508
10xR1/4	G3/8	33		7318793610508	53 303-206
12xR1/4	G3/8	33		7318793610805	53 303-207
10xR3/8	G3/8	37	X	7318793947901	53 333-210
12xR3/8	G3/8	37	X	7318793948007	53 333-212
15xR3/8	G1/2	39	X	7318793991904	53 333-215
10xR1/2	G3/8	39	X	7318793992000	53 333-510
12xR1/2	G3/8	39	X	7318793992109	53 333-512
15xR1/2	G1/2	47	X	7318793948106	53 333-515
16xR1/2 **	M22x1,5	40		7318793627704	53 303-416
18xR1/2	M28x1,5	45		7318793689702	53 303-518
22xR1/2	M28x1,5	45		7318793689900	53 303-522
22xR3/4	M28x1,5	46		7318793690906	53 303-822

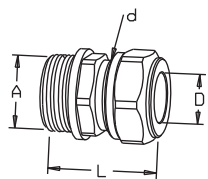
Non-plated (yellow)

DxA	d	L ¹	Gas approved	EAN	Article No
18xR1/2	M28x1,5	45		7318793689207	53 303-318
22xR1/2	M28x1,5	45		7318793686008	53 303-322
12xR3/4	M28x1,5	49	X	7318793948304	53 333-612
15xR3/4	M28x1,5	49	X	7318793948403	53 333-615
18xR3/4	M28x1,5	49	X	7318793948502	53 333-618
22xR3/4	M28x1,5	49	X	7318793948601	53 333-622
28xR3/4	M34x1,5	49		7318793690708	53 303-628
22xR1	M34x1,5	56	X	7318793948700	53 333-922
28xR1	M34x1,5	55	X	7318793948809	53 333-928
35xR1	M42x2,0	55		7318793691606	53 303-935
35xR1 1/4	M42x2,0	56		7318793688606	53 303-035
36xR1 1/4	M50x2,0	60		7318793689009	53 303-136
42xR1 1/2	M50x2,0	60		7318793688804	53 303-042
54xR2	M65x2,0	70		7318793685803	53 303-054

R = Male conical thread.

**) Nickel plated

1) Over all length L refers to unassembled coupling.

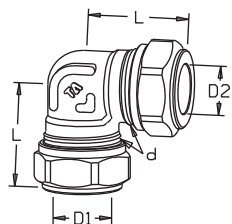
**TA 313 Straight with flange**

Male

Chrome plated

DxA	d	L ¹	EAN	Article No
15xG1/2	G1/2	41	7318793609601	53 313-515

1) Over all length L refers to unassembled coupling.

FPL – Elbow**TA 304 Elbow**

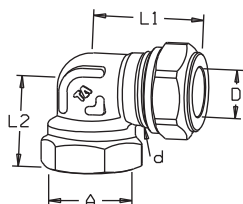
Chrome plated

D1xD2	d	L ¹	Gas approved	EAN	Article No
8	G3/8	28		7318793611505	53 304-208
10	G3/8	28	X	7318793612106	53 304-210
12	G3/8	28	X	7318793612205	53 304-212
15	G1/2	33	X	7318793646606	53 304-515
12x10	G3/8	28	X	7318793628008	53 304-225
15x12	G1/2	33	X	7318793773906	53 304-531

Non-plated (yellow)

D1xD2	d	L ¹	Gas approved	EAN	Article No
18	M28x1,5	41	X	7318793692108	53 304-618
22	M28x1,5	41	X	7318793692207	53 304-622
28	M34x1,5	46	X	7318793693006	53 304-928
35	M42x2,0	59		7318793691804	53 304-035
42	M50x2,0	65		7318793691903	53 304-042
54	M65x2,0	80		7318793692009	53 304-054
22x18	M28x1,5	41	X	7318793692306	53 304-645

When sizes 1 and 2 are the same, only 1 is given.

**TA 305 Elbow**

Female

Chrome plated

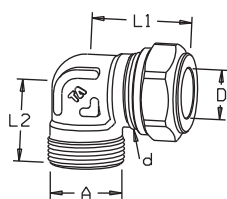
DxA	d	L1 ¹	L2 ¹	EAN	Article No
10xG3/8	G3/8	28	22	7318793613103	53 305-210
12xG3/8	G3/8	28	22	7318793613301	53 305-212
10xG1/2	G1/2	35	22	7318793613202	53 305-510
12xG1/2	G1/2	35	22	7318793613400	53 305-512
15xG1/2	G1/2	35	22	7318793613509	53 305-515
22xG3/4	M28x1,5	43	30	7318793694409	53 305-822

R = Male conical thread.

1) Over all length L refers to unassembled coupling.

Non-plated (yellow)

DxA	d	L1 ¹	L2 ¹	EAN	Article No
18xG1/2	M28x1,5	43	30	7318793693501	53 305-318
15xG3/4	M28x1,5	43	30	7318793693808	53 305-615
18xG3/4	M28x1,5	43	30	7318793694003	53 305-618
22xG3/4	M28x1,5	43	30	7318793694102	53 305-622
22xG1	M34x1,5	49	33	7318793694508	53 305-922
28xG1	M34x1,5	49	33	7318793694706	53 305-928
35xG1 1/4	M42x2,0	59	44	7318793693105	53 305-035
42xG1 1/2	M50x2,0	65	50	7318793693303	53 305-042
54xG2	M65x2,0	80	62	7318793693402	53 305-054


TA 306 Elbow

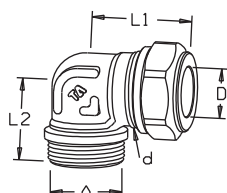
Male

Chrome plated

DxA	d	L1 ¹	L2 ¹	Gas approved	EAN	Article No
10xR3/8	G3/8	28	24	X	7318793962201	53 336-210
12xR3/8	G3/8	28	24	X	7318793962300	53 336-212
15xG3/8 ²	G1/2	36	23		7318793615800	53 306-215
10xR1/2	G1/2	33	29	X	7318793962409	53 336-510
12xR1/2	G1/2	33	29	X	7318793975607	53 336-512
15xR1/2	G1/2	34	29	X	7318793962508	53 336-515

Non-plated (yellow)

DxA	d	L1 ¹	L2 ¹	Gas approved	EAN	Article No
18xR1/2	M28x1,5	43	30		7318793695208	53 306-318
22xR1/2	M28x1,5	43	30		7318793695307	53 306-322
15xR3/4	M28x1,5	41	36	X	7318793962607	53 336-615
18xR3/4	M28x1,5	41	36	X	7318793962706	53 336-618
22xR3/4	M28x1,5	41	36	X	7318793962805	53 336-622
28xG3/4 ⁴	M34x1,5	46	33		7318793696007	53 306-628
22xR1	M34x1,5	46	37	X	7318793963000	53 336-922
28xR1	M34x1,5	46	37	X	7318793963109	53 336-928
35xR1 1/4	M42x2,0	59	44		7318793694805	53 306-035
42xR1 1/2	M50x2,0	65	50		7318793695000	53 306-042
54xR2	M65x2,0	80	62		7318793695109	53 306-054


TA 316 Elbow with flange

Male

Chrome plated

DxA	d	L1 ¹	L2 ¹	EAN	Article No
15xG1/2	G1/2	36	26	7318793614001	53 316-515

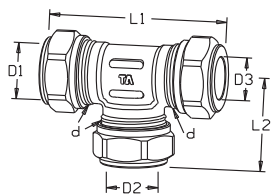
R = Male conical thread.

1) Over all length L refers to unassembled coupling.

2) Connection body with flange.

4) Short thread.

FPL – Tee

**TA 310 Tee**

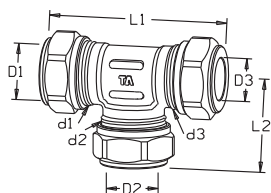
Chrome plated

D1xD2xD3	d	L1 ¹	L2 ¹	Gas approved	EAN	Article No
10	G3/8	56	28	X	7318793617804	53 310-210
12	G3/8	56	28	X	7318793617903	53 310-212
15	G1/2	66	33	X	7318793618405	53 310-515
18	M28x1,5	82	42	X	7318793699206	53 310-818
22	M28x1,5	82	42	X	7318793703408	53 310-822

Non-plated (yellow)

D1xD2xD3	d	L1 ¹	L2 ¹	Gas approved	EAN	Article No
18	M28x1,5	82	41	X	7318793697103	53 310-618
22	M28x1,5	82	41	X	7318793697202	53 310-622
28	M34x1,5	92	46	X	7318793704702	53 310-928
35	M42x2,0	118	59		7318793696809	53 310-035
42	M50x2,0	130	65		7318793696908	53 310-042
54	M65x2,0	160	80		7318793697004	53 310-054

When 1, 2 and 3 are the same, only 1 is given.

**TA 310 Tee**

Reduced

Chrome plated

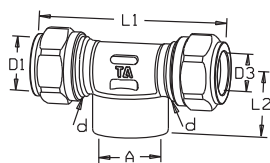
D1xD2xD3	d1xd2xd3	L1 ¹	L2 ¹	Gas approved	EAN	Article No
12x10	G3/8	56	28	X	7318793618207	53 310-240
12x15	G1/2	66	33	X	7318793618504	53 310-558
15x12x12	G1/2xG3/8xG3/8	69	33	X	7318793618702	53 310-562
15x15x12	G1/2	66	33	X	7318793618801	53 310-563
15x10	G1/2xG3/8	70	33	X	7318793618900	53 310-572
15x12	G1/2xG3/8	70	33	X	7318793646507	53 310-573

Non-plated (yellow)

D1xD2xD3	d1xd2xd3	L1 ¹	L2 ¹	Gas approved	EAN	Article No
18x15	M28x1,5xG1/2	87	41		7318793698100	53 310-686
22x12x15	M28x1,5xG1/2xG1/2	84	41		7318793697608	53 310-664
22x15x15	M28x1,5xG1/2xG1/2	84	41		7318793697707	53 310-665
22x12	M28x1,5xG1/2	87	41		7318793698209	53 310-696
22x15	M28x1,5xG1/2	87	41		7318793698308	53 310-697
22x22x15	M28x1,5	82	41	X	7318793697806	53 310-668
28x15	M34x1,5	92	46	X	7318793704900	53 310-942
28x22	M34x1,5	92	46	X	7318793704504	53 310-915

When sizes 1 and 3 are same, only 1 is given.

1) Over all length L refers to unassembled coupling.



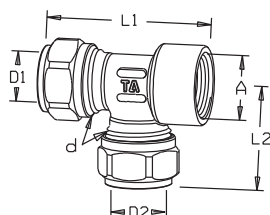
TA 308 Tee

Female

Chrome plated

D1xAxD3	d	L1 ¹	L2 ¹	EAN	Article No
12xG1/2	G1/2	70	22	7318793616302	53 308-512
15xG1/2	G1/2	70	22	7318793616401	53 308-515

When sizes 1 and 3 are same, only 1 is given.



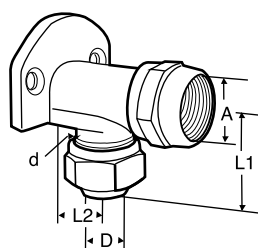
TA 309 Tee

Female

Chrome plated

D1xD2xA	d	L1 ¹	L2 ¹	EAN	Article No
12x12xG1/2	G1/2	55	35	7318793616708	53 309-512
15x15xG1/2	G1/2	55	35	7318793616807	53 309-515

Elbow with wall plate



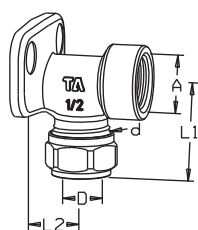
TA 345 Elbow with wall plate

With swivelling nut

Female

Chrome plated

DxA	d	L1 ¹	L2 ¹	EAN	Article No
12xG1/2	G1/2	37	19	7318793619501	53 345-212
15xG1/2	G1/2	37	19	7318793619600	53 345-215

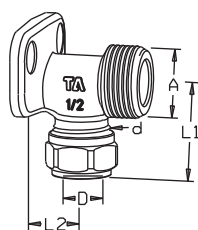


TA 346 Elbow with wall plate

Female

Chrome plated

DxA	d	L1 ¹	L2 ¹	EAN	Article No
10xG1/2	G1/2	37	19	7318793619709	53 346-210
12xG1/2	G1/2	37	19	7318793619808	53 346-212
15xG1/2	G1/2	37	19	7318793619907	53 346-215



TA 346 Elbow with wall plate

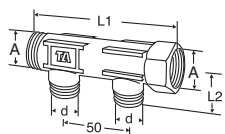
Male

Chrome plated

DxA	d	L1 ¹	L2 ¹	EAN	Article No
10xG3/4	G1/2	37	19	7318793629708	53 346-510
12xG3/4	G1/2	37	19	7318793629807	53 346-512
15xG3/4	G1/2	37	19	7318793629906	53 346-515

1) Over all length L refers to unassembled coupling.

Distributors

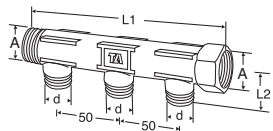


TA 56 042, 2-way distributor

With swivelling nut

Non-plated (yellow)

d	A	L1 ¹	L2 ¹	EAN	Article No
G1/2	G3/4	100	50	7318793259202	56 042-001

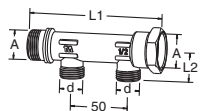


TA 56 043, 3-way distributor

With swivelling nut

Non-plated (yellow)

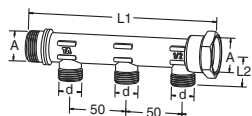
d	A	L1 ¹	L2 ¹	EAN	Article No
G1/2	G3/4	150	50	7318793259400	56 043-001



TA 56 032, 2-way distributor

Non-plated (yellow)

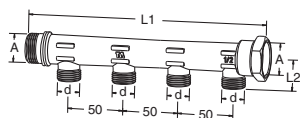
d	A	L1 ¹	L2 ¹	EAN	Article No
G1/2	G3/4	117	27	7318793677303	56 032-001



TA 56 033, 3-way distributor

Non-plated (yellow)

d	A	L1 ¹	L2 ¹	EAN	Article No
G1/2	G3/4	167	27	7318793677808	56 033-001



TA 56 034, 4-way distributor

Non-plated (yellow)

d	A	L1 ¹	L2 ¹	EAN	Article No
G1/2	G3/4	217	27	7318793678300	56 034-001



TA 56 000 Cap

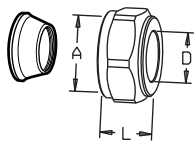
Incl. flat gasket for the distributor

Non-plated (yellow)

A	EAN	Article No
G3/4	7318793255204	56 000-020

1) Over all length L refers to unassembled coupling.

Half couplings, plugs and transition nipples



TA 319 Half coupling

Chrome plated

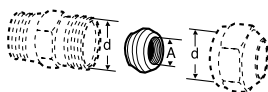
Should not be used with PEX-pipes

DxA	L ¹		EAN	Article No
8xG1/2	16		7318793620002	53 319-208
10xG1/2	17		7318793620101	53 319-210
12xG1/2	17		7318793620200	53 319-212
15xG1/2	20		7318793620309	53 319-215
16xG1/2	25		7318793620408	53 319-216
Profile package				
10xG1/2	17	10 pcs/package	7318793949202	53 319-310
12xG1/2	17	10 pcs/package	7318793949301	53 319-312
15xG1/2	20	10 pcs/package	7318793949400	53 319-315

Nickel plated

Should not be used with PEX-pipes

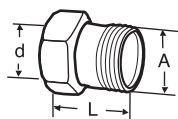
DxA	L ¹		EAN	Article No
15xG3/4	27		7318793705006	53 319-615
18xG3/4	27		7318793705105	53 319-618
22xG3/4	27		7318793705204	53 319-622
28xG1	29		7318793705402	53 319-928



TA 322 Plug

Non-plated (yellow)

Size	d	A	EAN	Article No
6 - 12	G3/8	G1/8	7318793629302	53 322-012
8 - 16 **	G1/2	-	7318793629401	53 322-015
8 - 18	M22x1,5	G1/4	7318793629500	53 322-016
10 - 22	M28x1,5	G3/8	7318793705501	53 322-022
12 - 28	M34x1,5	G1/2	7318793705600	53 322-028
22 - 35	M42x2,0	G3/4	7318793705709	53 322-035
28 - 42	M50x2,0	G1	7318793705808	53 322-042
35 - 54	M65x2,0	G1 1/4	7318793705907	53 322-054



TA 339 Transition nipple

Male, with swivelling nut

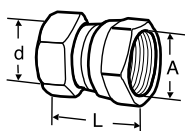
Non-plated (yellow)

dxA	L ¹		EAN	Article No
M28x1,5 x R1/2 **	35		7318793706508	53 339-715
M28x1,5 x R3/4	37		7318793706409	53 339-620

**) Nickel plated

R = Male conical thread.

1) Over all length L refers to unassembled coupling.

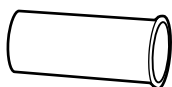
**TA 348 Transition nipple**

Female, with swivelling nut

Nickel plated

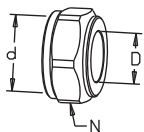
dxA	L ¹	EAN	Article No
M28x1,5 x G1/2	30	7318793707109	53 348-415
M28x1,5 x G3/4	32	7318793707208	53 348-420

1) Over all length L refers to unassembled coupling.

Support bushes**TA 320 Support bush – AMETAL®****Copper pipes**

For pipe size	EAN	Article No
8x0,8	7318793762207	53 320-008
8x1,0	7318793762306	53 320-108
10x0,8	7318793762405	53 320-010
10x1,0	7318793762504	53 320-110
12x1,0	7318793762702	53 320-012
14x1,0	7318793762900	53 320-014
15x1,0	7318793763105	53 320-015
15x1,2	7318793763204	53 320-315
16x1,0	7318793763303	53 320-016
18x1,0	7318793763402	53 320-018
18x1,2	7318793763501	53 320-318
22x1,0	7318793763600	53 320-022
22x1,5	7318793763709	53 320-322
28x1,2	7318793763808	53 320-028
35x1,5	7318793763907	53 320-035
36x1,5	7318793764003	53 320-036
42x1,5	7318793764102	53 320-042
54x1,5	7318793764201	53 320-054

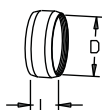
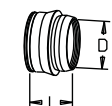
G3/8



TA 371 Thrust nut FPL

Chrome plated

D	d	N	EAN	Article No
6	G3/8	20	7318793638700	53 371-206
8	G3/8	20	7318793638809	53 371-208
10	G3/8	20	7318793638908	53 371-210
12	G3/8	20	7318793639004	53 371-212

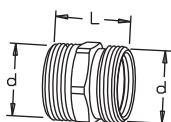


TA 381 Cones FPL

Non-plated (yellow)

D	L	EAN	Article No
6	13	7318793640703	53 381-006
8	12	7318793640802	53 381-008
10	12	7318793640901	53 381-010
12***	7	7318793641007	53 381-012

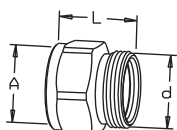
***) Double



TA 351 Coupling

Chrome plated

d	L	Gas approved	EAN	Article No
G3/8	24	X	7318793634603	53 351-212
G3/8xG1/2	25	X	7318793634702	53 351-501

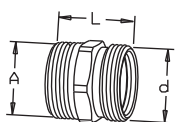


TA 356 Straight

Female

Chrome plated

Axd	L	EAN	Article No
G1/8xG3/8	19	7318793636102	53 356-206
G1/4xG3/8	22	7318793636201	53 356-208
G3/8xG3/8	22	7318793636300	53 356-210
G1/2xG3/8	24	7318793636409	53 356-215



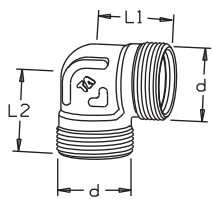
TA 358 Straight

Male

Chrome plated

Axd	L	Gas approved	EAN	Article No
R1/4xG3/8	23		7318793637000	53 358-208
R3/8xG3/8	28	X	7318793948908	53 338-210
R1/2xG3/8	29	X	7318793637208	53 358-215

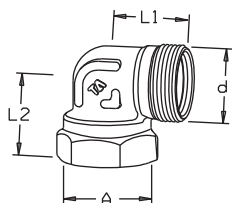
R = Male conical thread.



TA 361 Elbow

Chrome plated

d	L1	L2	Gas approved	EAN	Article No
G3/8	18	18	X	7318793637802	53 361-212

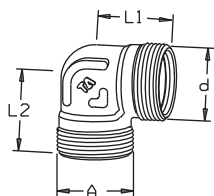


TA 363 Elbow

Female

Chrome plated

Axd	L1	L2	EAN	Article No
G1/4xG3/8	23	23	7318793631701	53 363-208
G3/8xG3/8	18	23	7318793638304	53 363-210

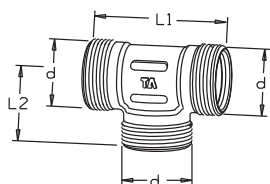


TA 354 Elbow

Male

Chrome plated

Axd	L1	L2	Gas approved	EAN	Article No
R3/8xG3/8	18	24	X	7318793970503	53 334-210



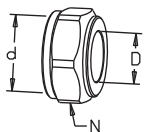
TA 352 Tee

Chrome plated

d	L1	L2	Gas approved	EAN	Article No
G3/8	36	18	X	7318793635006	53 352-212

R = Male conical thread.

G1/2

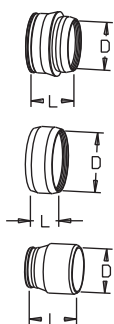


TA 379 Thrust nut FPL

Chrome plated

D	d	N	EAN	Article No
8	G1/2	25	7318793640000	53 379-208
10	G1/2	25	7318793640109	53 379-210
12	G1/2	25	7318793640208	53 379-212
13	G1/2	25	7318793640307	53 379-213
14	G1/2	25	7318793640406	53 379-214
15	G1/2	25	7318793640505	53 379-215
16	G1/2	25	7318793640604	53 379-216

3) Should not be used with PEX pipes. For further information, please contact closest sales office.



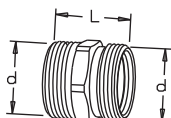
TA 389 Cone FPL

Non-plated (yellow)

D	L	EAN	Article No
8	14	7318793641908	53 389-008
10	14	7318793642004	53 389-010
12	14	7318793642103	53 389-012
13	14	7318793642202	53 389-013
14	14	7318793642301	53 389-014
15***	8	7318793642400	53 389-015
16	18	7318793642509	53 389-016

*** Double

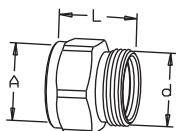
3) Should not be used with PEX pipes. For further information, please contact closest sales office.



TA 351 Coupling

Chrome plated

d	L	Gas approved	EAN	Article No
G1/2	29	X	7318793634801	53 351-515
G3/8xG1/2	25	X	7318793634702	53 351-501

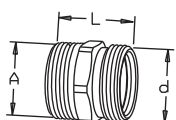


TA 356 Straight

Female

Chrome plated

Axd	L	EAN	Article No
G3/8xG1/2	25	7318793636706	53 356-510
G1/2xG1/2	27	7318793636904	53 356-515



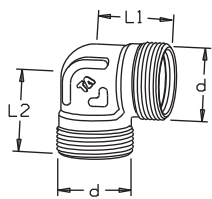
TA 358 Straight

Male

Chrome plated

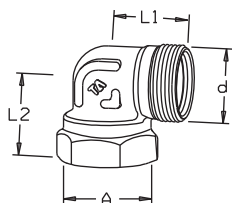
Axd	L	Gas approved	EAN	Article No
R3/8xG1/2	28	X	7318793637604	53 358-510
R1/2xG1/2	36	X	7318793949004	53 338-515
G1/2xG1/2 ²	32		7318793637307	53 358-501

2) Connection body with flange.
R = Male conical thread.


TA 361 Elbow

Chrome plated

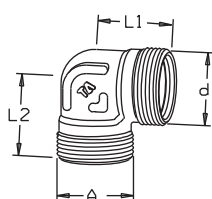
d	L1	L2	Gas approved	EAN	Article No
G1/2	22	22	X	7318793637901	53 361-515


TA 363 Elbow

Female

Chrome plated

Axd	L1	L2	EAN	Article No
G1/2xG1/2	22	24	7318793638403	53 363-515

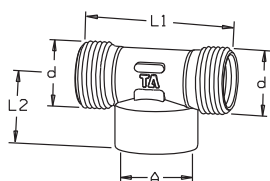

TA 354 Elbow

Male

Chrome plated

Axd	L1	L2	Gas approved	EAN	Article No
G3/8xG1/2 ²	25	23		7318793635907	53 354-510
R1/2xG1/2	22	29	X	7318793970404	53 334-515
G1/2xG1/2 ²	25	26		7318793636003	53 354-501

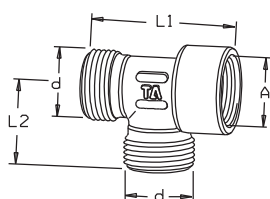
2) Connection body with flange.


TA 362 Tee

Female

Chrome plated

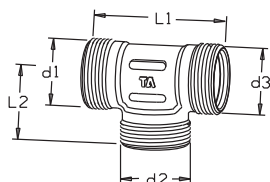
dxA	L1	L2	EAN	Article No
G1/2xG1/2	48	22	7318793638106	53 362-515


TA 362 Tee

Female

Chrome plated

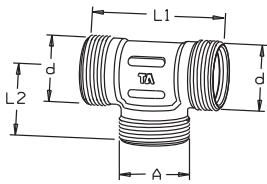
dxdxA	L1	L2	EAN	Article No
G1/2xG1/2xG1/2	44	24	7318793638007	53 362-501


TA 352 Tee

Chrome plated

d1xd2xd3	L1	L2	Gas approved	EAN	Article No
G1/2xG3/8xG3/8	48	23	X	7318793635204	53 352-502
G1/2xG3/8xG1/2	50	23		7318793635105	53 352-501
G1/2	44	22	X	7318793635501	53 352-515

R = Male conical thread.



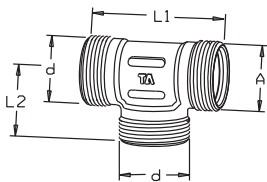
TA 352 Tee

Male

Chrome plated

dxA	L1	L2	EAN	Article No
G1/2xG1/2xG1/2 ²	50	26	7318793635402	53 352-504

2) Connection body with flange.



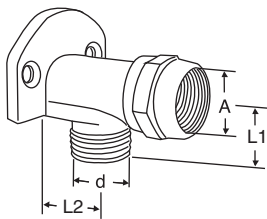
TA 352 Tee

Male

Chrome plated

dxdxA	L1	L2	EAN	Article No
G1/2xG1/2xG1/2 ²	51	25	7318793635303	53 352-503

2) Connection body with flange.

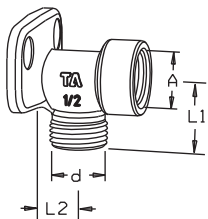


TA 367 Elbow with wall plate

Female

Chrome plated

Axd	L1	L2	EAN	Article No
G1/2xG1/2	23	19	7318793638502	53 367-515

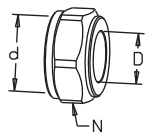


TA 368 Elbow with wall plate

Female

Chrome plated

Axd	L1	L2	EAN	Article No
G1/2xG1/2	26	19	7318793638601	53 368-515

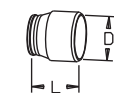
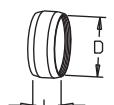
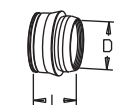
M22x1.5**TA 372 Thrust nut FPL**

Non-plated (yellow)

D	d	N	EAN	Article No
10	M22x1,5	25	7318793632104	53 372-010
12	M22x1,5	25	7318793632203	53 372-012
15	M22x1,5	25	7318793632302	53 372-015
16	M22x1,5	25	7318793632401	53 372-016

Nickel plated

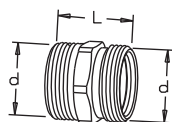
D	d	N	EAN	Article No
10	M22x1,5	25	7318793639202	53 372-110
12	M22x1,5	25	7318793639301	53 372-112
14	M22x1,5	25	7318793639400	53 372-114
15	M22x1,5	25	7318793639509	53 372-115
16	M22x1,5	25	7318793639608	53 372-116

**TA 382 Cones FPL**

Non-plated (yellow)

D	L	EAN	Article No
10	14	7318793641205	53 382-010
12	14	7318793641304	53 382-012
14	14	7318793641403	53 382-014
15	15	7318793641502	53 382-015
16***	9	7318793641601	53 382-016

***) Double

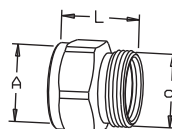
**TA 351 Coupling**

Non-plated (yellow)

d	L	EAN	Article No
M22x1,5	25	7318793630001	53 351-316

Nickel plated

d	L	EAN	Article No
M22x1,5	25	7318793630100	53 351-416

**TA 356 Straight**

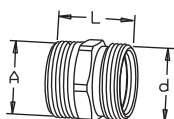
Female

Non-plated (yellow)

d	L	EAN	Article No
G1/2xM22x1,5	26	7318793630506	53 356-415

Nickel plated

A x d	L	EAN	Article No
G3/8 x M22x1,5	21	7318793636508	53 356-411
G1/2 x M22x1,5	26	7318793636607	53 356-416



TA 358 Straight

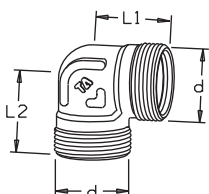
Male

Non-plated (yellow)

A x d	L	EAN	Article No
R1/2 x M22x1,5	30	7318793630704	53 358-415

Nickel plated

A x d	L	EAN	Article No
R3/8 x M22x1,5	28	7318793637406	53 358-411
R1/2 x M22x1,5	30	7318793637505	53 358-416



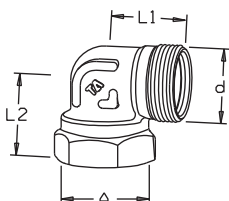
TA 361 Elbow

Non-plated (yellow)

d	L1	L2	EAN	Article No
M22x1,5	22	22	7318793630803	53 361-316

Nickel plated

d	L1	L2	EAN	Article No
M22x1,5	22	22	7318793630902	53 361-416



TA 363 Elbow

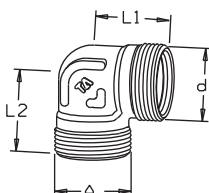
Female

Non-plated (yellow)

A x d	L1	L2	EAN	Article No
G1/2 x M22x1,5	22	24	7318793631503	53 363-415

Nickel plated

A x d	L1	L2	EAN	Article No
G1/2 x M22x1,5	22	24	7318793638205	53 363-416



TA 354 Elbow

Male

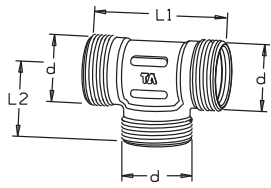
Non-plated (yellow)

A x d	L1	L2	EAN	Article No
R1/2 x M22x1,5	22	24	7318793630308	53 354-415

Nickel plated

A x d	L1	L2	EAN	Article No
R1/2 x M22x1,5	22	24	7318793635600	53 354-416

R = Male conical thread.

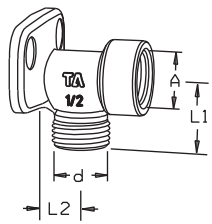


TA 352 Tee
Non-plated (yellow)

d	L1	L2	EAN	Article No
M22x1,5	43	22	7318793630209	53 352-316

Nickel plated

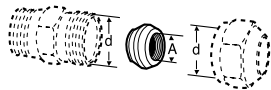
d	L1	L2	EAN	Article No
M22x1,5	43	22	7318793634900	53 352-416



TA 368 Elbow with wall plate
Female

Chrome plated

A x d	L1	L2	EAN	Article No
G1/2 x M22x1,5	27	19	7318793632005	53 368-417

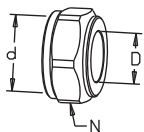


TA 322 Plug for 53 372
Non-plated (yellow)

Size	d	A	EAN	Article No
8 - 18	M22x1,5	G1/4	7318793629500	53 322-016

R = Male conical thread.

M28x1.5



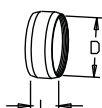
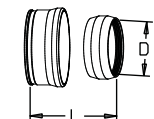
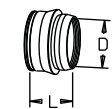
TA 373 Thrust nut FPL

Non-plated (yellow)

D	d	N	EAN	Article No
10	M28x1,5	32	7318793723406	53 373-010
12	M28x1,5	32	7318793723505	53 373-012
15	M28x1,5	32	7318793723604	53 373-015
16	M28x1,5	32	7318793723703	53 373-016
18	M28x1,5	32	7318793723802	53 373-018
19	M28x1,5	32	7318793723901	53 373-019
22	M28x1,5	32	7318793724007	53 373-022

Chrome plated

D	d	N	EAN	Article No
10	M28x1,5	32	7318793724502	53 373-210
12	M28x1,5	32	7318793724601	53 373-212
15	M28x1,5	32	7318793724700	53 373-215
18	M28x1,5	32	7318793724908	53 373-218
22	M28x1,5	32	7318793725004	53 373-222



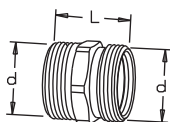
TA 383 Cones FPL

Non-plated (yellow)

D	L	EAN	Article No
10	14	7318793726704	53 383-010
12	14	7318793726803	53 383-012
15	15	7318793726902	53 383-015
16	16	7318793727008	53 383-016
18	16	7318793727107	53 383-318
19	16	7318793727206	53 383-019
22***	10	7318793727305	53 383-022

***) Double

****) 2 cones



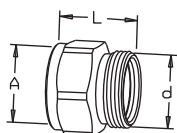
TA 351 Coupling

Non-plated (yellow)

d	L	Gas approved	EAN	Article No
M28x1,5	28	X	7318793712707	53 351-622

Chrome plated

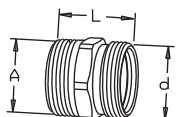
d	L	EAN	Article No
M28x1,5	28	7318793717405	53 351-822


TA 356 Straight

Female

Non-plated (yellow)

A x d	L	EAN	Article No
G1/2 x M28x1,5	27	7318793719409	53 356-615
G3/4 x M28x1,5	29	7318793719508	53 356-620


TA 358 Straight

Male

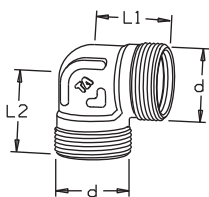
Non-plated (yellow)

A x d	L	EAN	Article No
R1/2 x M28x1,5	31	7318793720405	53 358-615
R3/4 x M28x1,5	32	7318793720504	53 358-620

Chrome plated

A x d	L	EAN	Article No
R1/2 x M28x1,5 *	31	7318793720603	53 358-715
R3/4 x M28x1,5	32	7318793720900	53 358-820

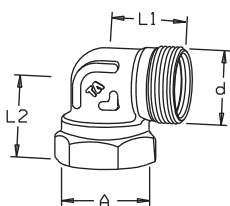
*) Nickel plated


TA 361 Elbow
Non-plated (yellow)

d	L1	L2	Gas approved	EAN	Article No
M28x1,5	28	28	X	7318793721600	53 361-622

Chrome plated

d	L1	L2	EAN	Article No
M28x1,5	28	28	7318793722003	53 361-822


TA 363 Elbow

Female

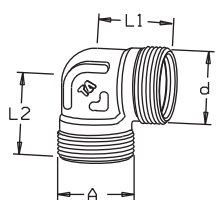
Non-plated (yellow)

A x d	L1	L2	EAN	Article No
G1/2 x M28x1,5	30	30	7318793722409	53 363-615
G3/4 x M28x1,5	30	30	7318793722300	53 363-620

Chrome plated

A x d	L1	L2	EAN	Article No
G3/4 x M28x1,5	30	30	7318793722805	53 363-820

R = Male conical thread.

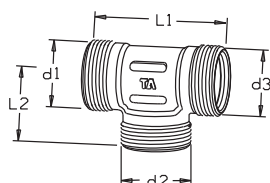


TA 354 Elbow

Male

Non-plated (yellow)

A x d	L1	L2	Gas approved	EAN	Article No
R1/2 x M28x1,5	30	30		7318793718709	53 354-615
R3/4 x M28x1,5	28	36	X	7318793970602	53 334-620



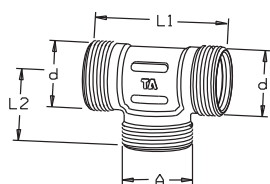
TA 352 Tee

Non-plated (yellow)

d1 x d2 x d3	L1	L2	Gas approved	EAN	Article No
M28x1,5	55	28	X	7318793717603	53 352-622
M28x1,5 x G1/2 x M28x1,5	60	30		7318793718402	53 352-601

Chrome plated

d1 x d2 x d3	L1	L2	Gas approved	EAN	Article No
M28x1,5	55	28	X	7318793718105	53 352-822



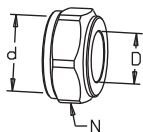
TA 352 Tee

Male

Non-plated (yellow)

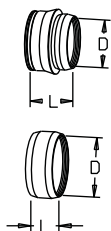
d x A	L1	L2	EAN	Article No
M28x1,5 x R1/2	60	30	7318793718303	53 352-615

R = Male conical thread.

M34x1.5**TA 374 Thrust nut FPL**

Non-plated (yellow)

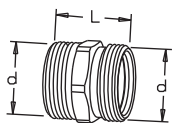
D	d	N	EAN	Article No
12	M34x1,5	38	7318793725103	53 374-012
15	M34x1,5	38	7318793725202	53 374-015
18	M34x1,5	38	7318793725301	53 374-018
22	M34x1,5	38	7318793725400	53 374-022
25	M34x1,5	38	7318793725509	53 374-025
28	M34x1,5	38	7318793725608	53 374-028

**TA 384 Cone FPL**

Non-plated (yellow)

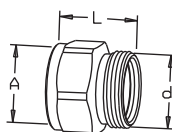
D	L	EAN	Article No
12	21	7318793727404	53 384-012
15	21	7318793727503	53 384-015
18	21	7318793727602	53 384-018
22	21	7318793727701	53 384-022
25	21	7318793727800	53 384-025
28***	13	7318793727909	53 384-028

***) Double

**TA 351 Coupling**

Non-plated (yellow)

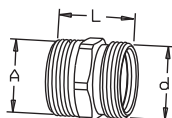
d	L	Gas approved	EAN	Article No
M34x1,5	29	X	7318793712806	53 351-928

**TA 356 Straight**

Female

Non-plated (yellow)

A x d	L	EAN	Article No
G3/4 x M34x1,5	32	7318793720108	53 356-920
G1 x M34x1,5	34	7318793720306	53 356-925

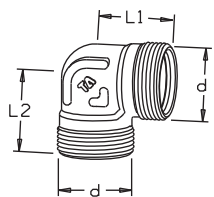
**TA 358 Straight**

Male

Non-plated (yellow)

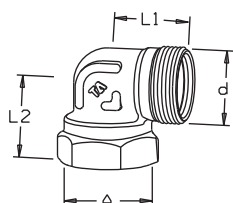
A x d	L	EAN	Article No
R3/4 x M34x1,5	33	7318793721006	53 358-920
R1 x M34x1,5	36	7318793721105	53 358-925

R = Male conical thread.



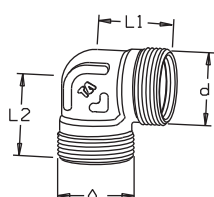
TA 361 Elbow
Non-plated (yellow)

d	L1	L2	Gas approved	EAN	Article No
M34x1,5	31	31	X	7318793721709	53 361-928



TA 363 Elbow
Female
Non-plated (yellow)

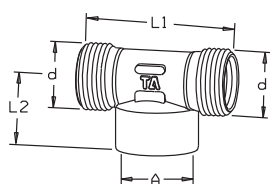
A x d	L1	L2	EAN	Article No
G1 x M34x1,5	33	33	7318793722508	53 363-925



TA 354 Elbow
Male
Non-plated (yellow)

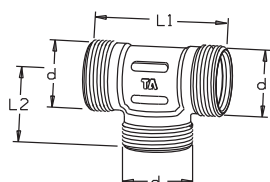
A x d	L1	L2	Gas approved	EAN	Article No
G3/4 x M34x1,5 ⁴	31	32		7318793719300	53 354-920
R1 x M34x1,5	31	33	X	7318793970800	53 334-925

4) Short thread



TA 362 Tee
Female
Non-plated (yellow)

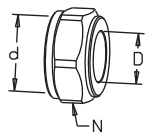
A x d	L1	L2	EAN	Article No
M34x1,5 x G3/4	70	35	7318793722201	53 362-920



TA 352 Tee
Non-plated (yellow)

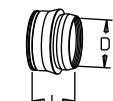
d	L1	L2	Gas approved	EAN	Article No
M34x1,5	61	31	X	7318793717801	53 352-928

R = Male conical thread.

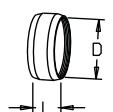
M42x2.0

TA 390 Thrust nut FPL

Non-plated (yellow)

D	d	N	EAN	Article No
22	M42x2,0	47	7318793737601	53 390-022
28	M42x2,0	47	7318793737700	53 390-028
35	M42x2,0	47	7318793737809	53 390-035

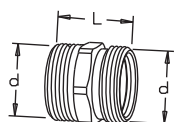

TA 395 Cone FPL

Non-plated (yellow)



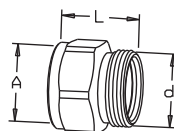
D	L	EAN	Article No
22	20	7318793738400	53 395-022
28	20	7318793738509	53 395-028
35***	13	7318793738608	53 395-035

***) Double


TA 351 Coupling

Non-plated (yellow)

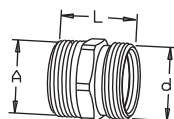
d	L	EAN	Article No
M42x2,0	36	7318793712905	53 351-035


TA 356 Straight

Female

Non-plated (yellow)

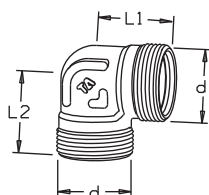
A x d	L	EAN	Article No
G1 x M42x2,0	38	7318793734402	53 356-025
G1 1/4 x M42x2,0	39	7318793734501	53 356-032


TA 358 Straight

Male

Non-plated (yellow)

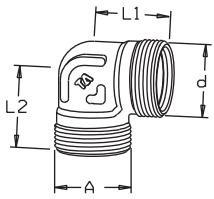
A x d	L	EAN	Article No
R1 x M42x2,0	40	7318793735607	53 358-025
R1 1/4 x M42x2,0	42	7318793735706	53 358-032


TA 361 Elbow

Non-plated (yellow)

d	L1	L2	EAN	Article No
M42x2,0	44	44	7318793736307	53 361-035

R = Male conical thread.

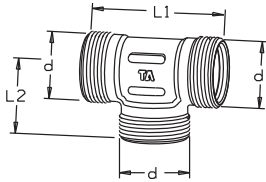


TA 354 Elbow

Male

Non-plated (yellow)

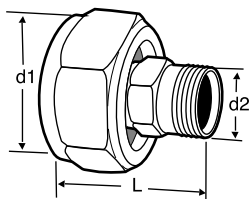
A x d	L1	L2	EAN	Article No
R1 1/4 x M42x2,0	44	44	7318793733702	53 354-032



TA 352 Tee

Non-plated (yellow)

d	L1	L2	EAN	Article No
M42x2,0	88	44	7318793732804	53 352-035



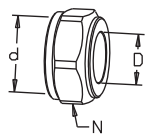
Reducer

With swivelling nut

Non-plated (yellow)

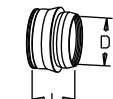
d1	d2	L	EAN	Article No
M42x2,0	M28x1,5	53	7318792921605	53 566-005

R = Male conical thread.

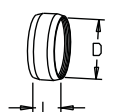
M50x2.0

TA 391 Thrust nut FPL

Non-plated (yellow)

D	d	N	EAN	Article No
28	M50x2,0	56	7318793737908	53 391-028
35	M50x2,0	56	7318793738004	53 391-035
36	M50x2,0	56	7318793738103	53 391-036
42	M50x2,0	56	7318793738202	53 391-042

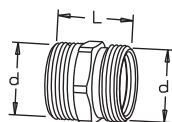

TA 396 Cone FPL

Non-plated (yellow)



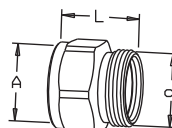
D	L	EAN	Article No
28	20	7318793738707	53 396-028
35	20	7318793738806	53 396-035
36	20	7318793738905	53 396-036
42***	13	7318793739001	53 396-042

***) Double


TA 351 Coupling

Non-plated (yellow)

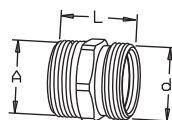
d	L	EAN	Article No
M50x2,0	40	7318793713001	53 351-042


TA 356 Straight

Female

Non-plated (yellow)

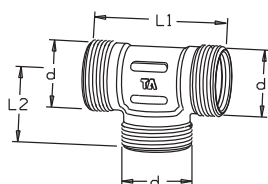
A x d	L	EAN	Article No
G1 1/2 x M50x2,0	41	7318793734600	53 356-040


TA 358 Straight

Male

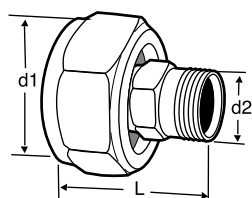
Non-plated (yellow)

A x d	L	EAN	Article No
R1 1/4 x M50x2,0	45	7318793735805	53 358-132
R1 1/2 x M50x2,0	45	7318793735904	53 358-040


TA 352 Tee

Non-plated (yellow)

d	L1	L2	EAN	Article No
M50x2,0	100	50	7318793732903	53 352-042

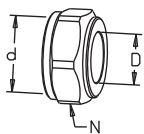

Reducer

With swivelling nut

Non-plated (yellow)

d1	d2	L	EAN	Article No
M50x2,0	M42x2,0	36	7318792921407	53 566-003

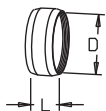
M65x2.0



TA 392 Thrust nut FPL

Non-plated (yellow)

D	d	N	EAN	Article No
54	M65x2,0	72	7318793738301	53 392-054

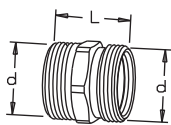


TA 397 Cone FPL

Non-plated (yellow)

D	L	EAN	Article No
54***	15	7318793739100	53 397-054

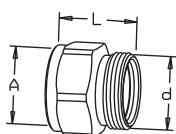
*** Double



TA 351 Coupling

Non-plated (yellow)

d	L	EAN	Article No
M65x2,0	48	7318793713100	53 351-054

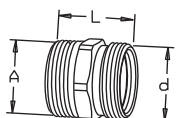


TA 356 Straight

Female

Non-plated (yellow)

A x d	L	EAN	Article No
G2 x M65x2,0	49	7318793734709	53 356-050

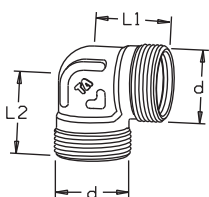


TA 358 Straight

Male

Non-plated (yellow)

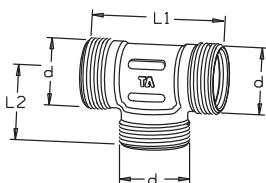
A x d	L	EAN	Article No
R2 x M65x2,0	53	7318793736000	53 358-050



TA 361 Elbow

Non-plated (yellow)

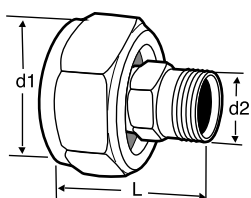
d	L1	L2	EAN	Article No
M65x2,0	62	62	7318793736604	53 361-054



TA 352 Tee

Non-plated (yellow)

d	L1	L2	EAN	Article No
M65x2,0	124	62	7318793733009	53 352-054



Reducer

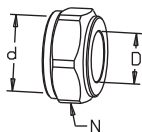
With swivelling nut

Non-plated (yellow)

d1	d2	L	EAN	Article No
M65x2,0	M50x2,0	37	7318792921506	53 566-004

R = Male conical thread.

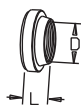
Thrust nuts and cones for half couplings



TA 379/378 Thrust nut FPL

Chrome plated

D	d	N	EAN	Article No
8	G1/2	25	7318793640000	53 379-208
10	G1/2	25	7318793884206	53 378-210
12	G1/2	25	7318793884305	53 378-212
15	G1/2	25	7318793884404	53 378-215
16	G1/2	25	7318793884503	53 378-216

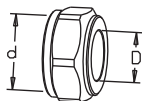


TA 388 Cone FPL

Non-plated (yellow)

D	L	EAN	Article No
12	9	7318793655400	53 388-012
15	11	7318793098108	53 388-015
16	13	7318793098207	53 388-016

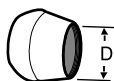
Thrust nuts and cones for TA 500, TRIM, Radiator valves etc.



Thrust nut FPL

Non-plated (yellow)

D	d	EAN	Article No
10	M22x1,5	7318793632104	53 372-010
12	M22x1,5	7318793632203	53 372-012
15	M26x1,5	7318792307409	301 624-01
22	M34x1,5	7318793725400	53 374-022
35	M50x2,0	7318793738004	53 391-035

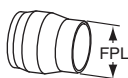


Cone FPL

Non-plated (yellow)

D	EAN	Article No
15	7318792321306	302 489-01

Cone for direct connection to G1/2



Cone for direct connection of a valve with Kombi-end

(e.g. TA 400, DN 15) to an FPL-end G1/2 (e.g. distributors)

EAN	Article No
7318793949103	58 409-100

