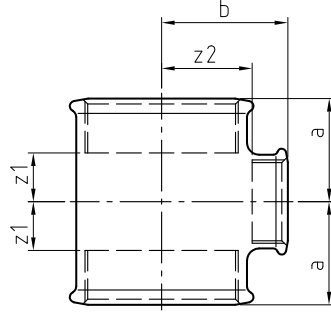
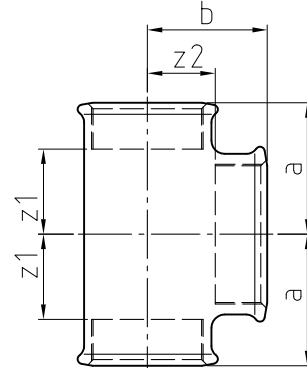




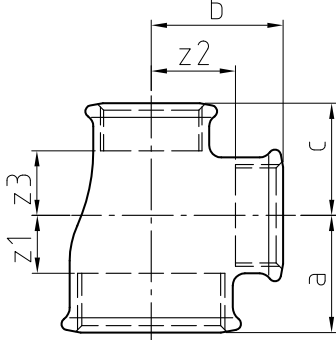
A  
↑  
passage-run



I (A=C>B)

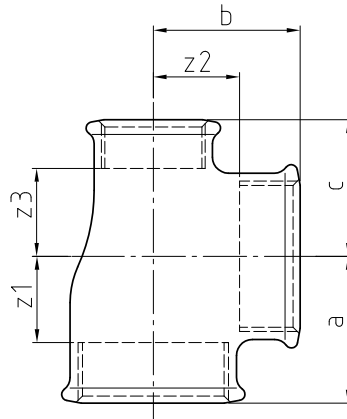


II (A=C<B)

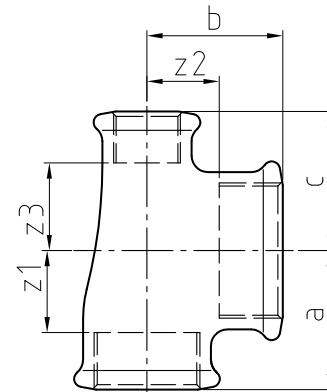


III (A=B et/and A>C;

B=C ou/ou B>C ou/or B<C)



IV (A=B>C)



V (A>C; B>A; B>C)

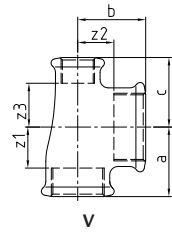
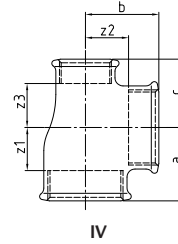
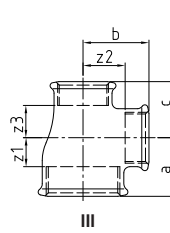
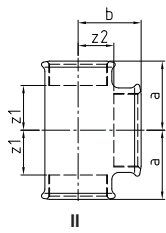
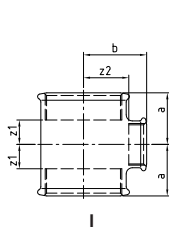


### INFORMATION TECHNIQUE - TECHNICAL INFORMATION

Ø (AxBxC)	TYPE TYPE	COD.	DIMENSIONS - DIMENSIONS (mm)						Poids approx. Weight approx. (g)
			a	b	c	z1	z2	z3	
3/8" - 1/4" - 3/8"	I	13001/S212	23	23	-	13	13	-	109
3/8" - 1/2" - 3/8"	II	13001/S232	26	26	-	16	13	-	80
3/8" - 3/4" - 3/8"	II	13001/S242	28	24	-	18	9	-	109
1/2" - 1/4" - 1/2"	I	13001/S313	24	24	-	11	14	-	82
1/2" - 3/8" - 3/8"	III	13001/S322	26	26	25	13	16	15	99
1/2" - 3/8" - 1/2"	I	13001/S323	26	26	-	13	16	-	106
1/2" - 1/2" - 3/8"	IV	13001/S332	28	28	26	15	15	16	108
1/2" - 3/4" - 3/8"	V	13001/S342	29	30	30	17	15	20	118
1/2" - 3/4" - 1/2"	II	13001/S343	31	30	-	18	15	-	159
1/2" - 1" - 1/2"	II	13001/S353	34	32	-	21	15	-	182
3/4" - 1/4" - 3/4"	I	13001/S414	26	27	-	11	17	-	130
3/4" - 3/8" - 1/2"	III	13001/S423	28	28	26	13	18	13	114
3/4" - 3/8" - 3/4"	I	13001/S424	28	28	-	13	18	-	139
3/4" - 1/2" - 3/8"	III	13001/S432	30	31	26	15	18	16	117
3/4" - 1/2" - 1/2"	III	13001/S433	30	31	28	15	18	15	122
3/4" - 1/2" - 3/4"	I	13001/S434	30	31	-	15	18	-	148

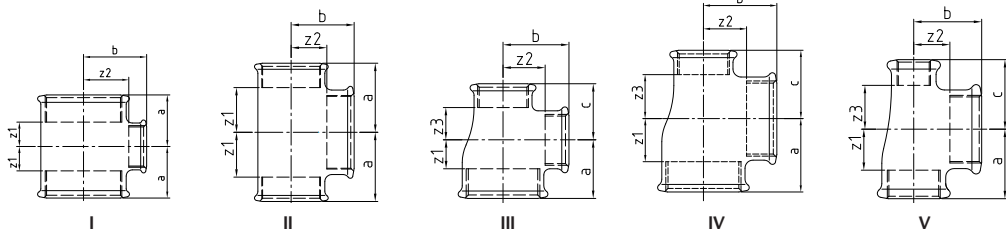
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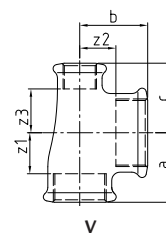
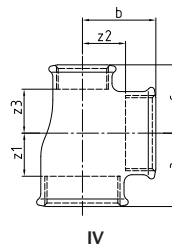
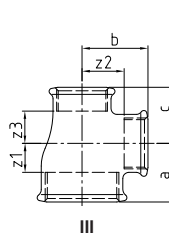
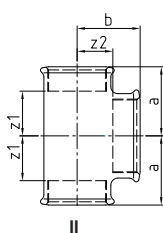
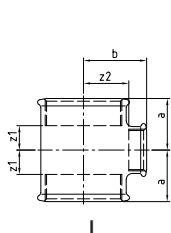
### INFORMATION TECHNIQUE - TECHNICAL INFORMATION

Ø (AxBxC)	TYPE TYPE	COD.	DIMENSIONS - DIMENSIONS (mm)						Poids approx. Weight approx. (g)
			a	b	c	z1	z2	z3	
3/4" - 3/4" - 3/8"	IV	13001/S442	33	33	28	18	18	18	144
3/4" - 3/4" - 1/2"	IV	13001/S443	33	33	31	18	18	18	188
3/4" - 1" - 1/2"	V	13001/S453	36	35	34	21	18	21	201
3/4" - 1" - 3/4"	II	13001/S454	36	35	-	21	18	-	225
3/4" - 1 1/4" - 3/4"	II	13001/S464	41	36	-	26	17	-	251
1" - 1/4" - 1"	I	13001/S515	28	31	-	11	21	-	172
1" - 3/8" - 3/4"	III	13001/S524	30	32	28	13	22	13	181
1" - 3/8" - 1"	I	13001/S525	30	32	-	13	22	-	182
1" - 1/2" - 1/2"	III	13001/S533	32	34	28	15	21	15	221
1" - 1/2" - 3/4"	III	13001/S534	32	34	30	15	21	15	197
1" - 1/2" - 1"	I	13001/S535	32	34	-	15	21	-	196
1" - 3/4" - 1/2"	III	13001/S543	35	36	31	18	21	18	213
1" - 3/4" - 3/4"	III	13001/S544	35	36	33	18	21	18	184
1" - 3/4" - 1"	I	13001/S545	35	36	-	18	21	-	232
1" - 1" - 3/8"	IV	13001/S552	38	38	32	21	21	22	198
1" - 1" - 1/2"	IV	13001/S553	38	38	34	21	21	21	246
1" - 1" - 3/4"	IV	13001/S554	38	38	36	21	21	21	244
1" - 1 1/4" - 3/4"	V	13001/S564	42	40	41	25	21	26	316
1" - 1 1/4" - 1"	II	13001/S565	42	40	-	25	21	-	311
1" - 1 1/2" - 1"	II	13001/S575	46	42	-	29	23	-	338
1 1/4" - 3/8" - 1 1/4"	I	13001/S626	32	36	-	13	26	-	246
1 1/4" - 1/2" - 1"	III	13001/S635	34	38	32	15	25	15	240
1 1/4" - 1/2" - 1 1/4"	I	13001/S636	34	38	-	15	25	-	278
1 1/4" - 3/4" - 1/2"	III	13001/S643	36	39	36	17	24	23	236
1 1/4" - 3/4" - 3/4"	III	13001/S644	36	41	33	17	26	18	279
1 1/4" - 3/4" - 1"	III	13001/S645	36	41	35	17	26	18	287
1 1/4" - 3/4" - 1 1/4"	I	13001/S646	36	41	-	17	26	-	355
1 1/4" - 1" - 3/8"	III	13001/S652	41	43	30	22	26	20	258
1 1/4" - 1" - 1/2"	III	13001/S653	40	42	34	21	25	21	315
1 1/4" - 1" - 3/4"	III	13001/S654	40	42	36	21	25	21	300
1 1/4" - 1" - 1"	III	13001/S655	40	42	38	21	25	21	330
1 1/4" - 1" - 1 1/4"	I	13001/S656	40	42	-	21	25	-	405
1 1/4" - 1 1/4" - 1/2"	IV	13001/S663	45	45	38	26	26	25	322
1 1/4" - 1 1/4" - 3/4"	IV	13001/S664	45	45	41	26	26	26	380
1 1/4" - 1 1/4" - 1"	IV	13001/S665	45	45	42	26	26	25	371
1 1/4" - 1 1/2" - 1"	V	13001/S675	48	46	46	29	27	29	425
1 1/4" - 1 1/2" - 1 1/4"	II	13001/S676	48	46	-	29	27	-	440
1 1/4" - 2" - 1 1/4"	II	13001/S686	54	48	-	35	24	-	591



### INFORMATION TECHNIQUE - TECHNICAL INFORMATION

Ø (AxBxC)	TYPE TYPE	COD.	DIMENSIONS - DIMENSIONS (mm)						Poids approx. Weight approx. (g)
			a	b	c	z1	z2	z3	
1 1/2" - 3/8" - 1 1/2"	I	13001/5727	35	40	-	16	30	-	339
1 1/2" - 1/2" - 1 1/4"	III	13001/5736	36	42	34	17	29	15	314
1 1/2" - 1/2" - 1 1/2"	I	13001/5737	36	42	-	17	29	-	362
1 1/2" - 3/4" - 1 1/4"	III	13001/5746	38	44	36	19	29	17	338
1 1/2" - 3/4" - 1 1/2"	I	13001/5747	38	44	-	19	29	-	419
1 1/2" - 1" - 1"	III	13001/5755	42	46	38	23	29	21	360
1 1/2" - 1" - 1 1/4"	III	13001/5756	42	46	40	23	29	21	390
1 1/2" - 1" - 1 1/2"	I	13001/5757	42	46	-	23	29	-	472
1 1/2" - 1 1/4" - 1"	III	13001/5765	46	48	42	27	29	25	454
1 1/2" - 1 1/4" - 1 1/4"	III	13001/5766	46	48	45	27	29	26	490
1 1/2" - 1 1/4" - 1 1/2"	I	13001/5767	46	48	-	27	29	-	514
1 1/2" - 1 1/2" - 1/2"	IV	13001/5773	50	50	42	31	31	29	524
1 1/2" - 1 1/2" - 3/4"	IV	13001/5774	50	50	44	31	31	29	504
1 1/2" - 1 1/2" - 1"	IV	13001/5775	50	50	46	31	31	29	457
1 1/2" - 1 1/2" - 1 1/4"	IV	13001/5776	50	50	48	31	31	29	525
1 1/2" - 2" - 1 1/4"	V	13001/5786	56	54	56	37	30	37	621
1 1/2" - 2" - 1 1/2"	II	13001/5787	55	52	-	36	28	-	617
2" - 1/2" - 1 1/2"	III	13001/5837	38	48	38	14	35	19	519
2" - 1/2" - 2"	I	13001/5838	38	48	-	14	35	-	480
2" - 3/4" - 1 1/2"	III	13001/5847	40	50	38	16	35	19	504
2" - 3/4" - 2"	I	13001/5848	40	50	-	16	35	-	592
2" - 1" - 1 1/2"	III	13001/5857	44	52	42	20	35	23	536
2" - 1" - 2"	I	13001/5858	44	52	-	20	35	-	583
2" - 1 1/4" - 1"	III	13001/5865	52	55	52	28	36	35	579
2" - 1 1/4" - 1 1/4"	III	13001/5866	48	54	45	24	35	26	572
2" - 1 1/4" - 1 1/2"	III	13001/5867	48	54	46	24	35	27	560
2" - 1 1/4" - 2"	I	13001/5868	48	54	-	24	35	-	733
2" - 1 1/2" - 1"	III	13001/5875	55	57	54	31	38	37	618
2" - 1 1/2" - 1 1/2"	III	13001/5877	52	55	50	28	36	31	580
2" - 1 1/2" - 2"	I	13001/5878	52	55	-	28	36	-	809
2" - 2" - 1/2"	IV	13001/5883	58	58	48	34	34	35	666
2" - 2" - 3/4"	IV	13001/5884	58	58	50	34	34	35	748
2" - 2" - 1"	IV	13001/5885	58	58	52	34	34	35	766
2" - 2" - 1 1/4"	IV	13001/5886	58	58	54	34	34	35	824
2" - 2" - 1 1/2"	IV	13001/5887	58	58	55	34	34	36	749
2" - 2 1/2" - 2"	II	13001/5898	68	64	-	44	37	-	1.189
2 1/2" - 1/2" - 2 1/2"	I	13001/5939	43	56	-	16	43	-	815
2 1/2" - 3/4" - 2 1/2"	I	13001/5949	45	58	-	18	43	-	770



## INFORMATION TECHNIQUE - TECHNICAL INFORMATION

Ø (AxBxC)	TYPE TYPE	COD.	DIMENSIONS - DIMENSIONS (mm)						Poids approx. Weight approx. (g)
			a	b	c	z1	z2	z3	
2 1/2" - 1" - 2 1/2"	I	13001/5959	47	60	-	20	43	-	869
2 1/2" - 1 1/4" - 2 1/2"	I	13001/5969	52	62	-	25	43	-	951
2 1/2" - 1 1/2" - 2 1/2"	I	13001/5979	55	63	-	28	44	-	968
2 1/2" - 2" - 2"	III	13001/5988	67	72	62	40	48	38	1.165
2 1/2" - 2" - 2 1/2"	I	13001/5989	61	66	-	34	42	-	1.300
2 1/2" - 2 1/2" - 1 1/2"	IV	13001/5997	69	69	64	42	42	45	1.500
2 1/2" - 2 1/2" - 2"	IV	13001/5998	73	73	68	46	46	34	1.435
3" - 1/2" - 3"	I	13001/5A3A	46	63	-	15	50	-	1.108
3" - 3/4" - 3"	I	13001/5A4A	48	66	-	18	51	-	1.225
3" - 1" - 3"	I	13001/5A5A	51	67	-	21	50	-	1.152
3" - 1 1/4" - 3"	I	13001/5A6A	55	70	-	25	51	-	1.556
3" - 1 1/2" - 3"	I	13001/5A7A	58	71	-	28	52	-	1.312
3" - 2" - 2"	III	13001/5A88	64	73	60	34	49	36	1.480
3" - 2" - 3"	I	13001/5A8A	64	73	-	34	49	-	1.687
3" - 2 1/2" - 3"	I	13001/5A9A	72	76	-	42	49	-	1.738
3" - 3" - 2"	IV	13001/5AA8	78	79	72	48	49	48	1.950
4" - 1/2" - 4"	I	13001/5C3C	60	76	-	24	63	-	1.865
4" - 3/4" - 4"	I	13001/5C4C	62	78	-	26	64	-	1.755
4" - 1" - 4"	I	13001/5C5C	56	81	-	20	64	-	1.734
4" - 1 1/2" - 4"	I	13001/5C7C	64	84	-	28	65	-	2.300
4" - 2" - 4"	I	13001/5C8C	70	86	-	34	62	-	2.258
4" - 2 1/2" - 4"	I	13001/5C9C	77	89	-	41	62	-	2.393
4" - 3" - 4"	I	13001/5CAC	84	92	-	48	62	-	2.589
5" - 4" - 5"	I	13001/5DCD	100	110	-	60	72	-	4.560

1/5 - 1= Noir - Black - 5= Galvanisé - Galvanized

## CARACTÉRISTIQUES DE BASE

- Accessoires filetés selon NF EN 10242 (symbole de conception A).
- Soumis à un traitement thermique (décarburation à 1060 °C).
- Matériel conforme à la norme NF EN 1562 (EN-GJMW-400-05).
- 0,2% de limite d'élasticité ( $R_{p0,2}$ ): > 220 N/mm<sup>2</sup>.
- Tension minimale à la rupture: 400 N/mm<sup>2</sup>.
- Élongation minimale: 5%.
- Dureté Brinell: < 220 HB.
- Galvanisé à chaud par immersion (mini: épaisseur 70 µm ; poids 500 gr/m<sup>2</sup>).
- Étanchéité dans le filet selon norme NF EN 10226-1 type R-Rp.
- Filet de serrage (contre-écrous, unions et accouplements) selon norme NF EN ISO 228-1.
- Filets: nécessité d'un élément d'étanchéité (NF EN 751-1, 2 ou 3 selon le fluide).
- Étanchéité unitaire (7 bars).

## BASIC FEATURES

- Threaded pipe fitting according to EN 10242 (design symbol A).
- Material is annealing by heat treatment (decarburation at 1060 °C).
- Material conform to EN 1562 (EN-GJMW-400-05).
- 0,2% Proof Stress ( $R_{p0,2}$ ): > 220 N/mm<sup>2</sup>.
- Minimum Tensile Strength: 400 N/mm<sup>2</sup>.
- Minimum Elongation: 5%.
- Brinell Hardness: < 220 HB.
- Hot dip Galvanising (min: layer thickness 70 µm ; coating mass 500 gr/m<sup>2</sup>).
- Joining thread acc. EN-10226-1 type R-Rp.
- Fastening thread (backnuts, union nuts and their matings) acc. EN ISO 228-1.
- Threads: needed sealing assistance (EN 751-1, 2 or 3 acc. fluid).
- Unitary leak tightness (7 bar).

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## CONDITIONS DE TRAVAIL ADMISSIBLES

- Convient pour la transmission de fluides jusqu'à la limite P-T spécifiée:
  - de -20 à 120 °C: 25 bar (2,5 MPa)
  - de 120 à 300 °C: de 25 à 20 bar (2,0 MPa)
  - 300 °C: 20 bar (2,0 MPa)
- Gaz non explosif (DN 10 à DN 100):
  - de 0 à 85 °C \*: 25 bar (2,5 MPa)
- Combustibles et gaz explosifs (DN 10 à DN 50):
  - máxi 5 bar (0,5 MPa) \* ou selon les spécifications légales.

\* Dans le cadre de la responsabilité de la gestion du projet d'ingénierie, toutes les installations doivent avoir des valeurs P-T légalement établies.

## DOMAINES D'APPLICATION

- Convient pour tube acier NF EN 10255 (de 1/8 à 6 pouces).
- Installations de chauffage, air conditionné et ventilation.
- Installations sanitaires, eau chaude et eau froide.
- Installations d'eau potable.
- Installation anti incendie.
- Installations d'air comprimé, industrielles, automobile et machineries.
- Systèmes d'irrigation.

## AVANTAGES

- Hautes performances mécaniques.
- Haute résistance à la corrosion.
- Haute résistance à feu.
- Haute durabilité démontrée.
- Gamme très large d'articles.
- Convient pour l'eau potable.
- Nombreux certificats Européens.
- Produit 100% recyclable.
- Produit 100% Européen.

## PERMISSIBLE WORKING CONDITIONS

- Appropriate for the transmission of fluids up to the limit P-T specified:
  - 20 up to 120 °C: 25 bar (2,5 MPa)
  - since 120 up to 300 °C: 25 to 20 bar (2,0 MPa)
  - 300 °C: 20 bar (2,0 MPa)
- Non explosive gases (DN 10 to DN 100):
  - since 0 up to 85 °C \*: 25 bar (2,5 MPa)
- Fuel and gases explosives (DN 10 to DN 50):
  - max. 5 bar (0,5 MPa) \* or legal requirement

\* Under the Engineering Project Management liability, all installations has to meet the P-T values technical and legally established.

## GENERAL APPLICATIONS

- Suitable for steel pipes acc. EN 10255 (1/8 to 6 inches).
- Heating/cooling systems, Air conditioning and Ventilation.
- Sanitary water systems, Cold and hot water.
- Installations of Cold WATER for HUMAN consumption.
- Fire Fighting Installations.
- Pressured air pipe works, Industrial Installations, Automotive Industry and Machinery.
- Irrigation systems.

## ADVANTAGES

- High mechanical performances.
- High resistance to corrosion.
- High resistance to fire.
- Demonstrated high durability.
- Big assortment of fitting, narrow range.
- Suitable for human water consumption.
- Numerous European product certifications.
- Product 100% Recyclable.
- Product 100% European.

Note : En raison de l'évolution constante de nos produits, ces spécifications peuvent être modifiées sans préavis.

Note : Due to the continuous development of our products, specifications may be changed without notification at any time.

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