

Technical Data Pack

Metric Stainless Steel



OA-TSP- Aug26V1 – 13/08/26	Stainless Offer	Compiled by: Dr C. Owen - Technical Director
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**Ashworth, Mill Hill Street, Bolton, Greater Manchester, BL2 2AB,
Tel: 0161 967 0400**

Enquiries@Ashworth.uk.com

Technical.services@Ashworth.uk.com

Summary of offering

Feature	Oliver Ashworth offering – system approach.				
Product	Tube	Elbows/ Bends	Tees, caps, reducers, and Type 37 PN16 collars	Nuts, bolts, washers	Backing Rings
Product type	Tube, fitting, flanges, etc., offering - compatible components - resulting in a system offering suitable for the listed intended application				
Pressure Ratings	Pressure table supplied – tube typically suitable for 16bar (Note, large OD tubes may need thicker walls for the 16bar – ref pressure table in Section 3	PN16	PN16	N/A	N/A
Service life statements	Yes - 25 years		Yes - 25 years		25 years available on FBE coating
Compliance	EN10217-7 PED harmonisation	Factory approvals	Factory approvals	Factory approvals	Factory approvals

1 Metric Stainless

Features and Benefits Summary

Tube

Benefits:

- Reputable European manufacturer with more than 50 years' experience
- High quality products and a key player on the stainless-steel welded tube market
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Large stock profile

Technical: Tubes to EN10217-7.

Material grades: 304L (316L also available upon request).

Fittings – Bends

Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Large stock profile

Technical: Fittings to EN10253-3 (45deg) and -4 (90deg).

Material grades: 304L (316L also available upon request).

Fittings – Tees

Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Supplied to EN10253 Part 4 – full NDT (Non-Destructive Testing)

Technical: EN10253-4 with Dimensions and Tolerance in accordance with ISO 1127. Full Equal Tee with Branch - fabricated from EN10217-7 parent tube.

Material grades: 304L (316L also available upon request).

Fittings – Con & Ecc Reducers

Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Supplied to EN10253 Part 4 – full NDT (Non-Destructive Testing)

Technical: EN10253-4 with Dimensions and Tolerance in accordance with ISO 1127.

Material grades: 304L (316L also available upon request).

Fittings – End Cap

Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Large stock profile

Technical: EN10253-4 with Dimensions and Tolerance in accordance with ISO 1127.

Material grades: 304L (316L also available upon request).

Fittings – PN16 Collars

Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Certification to ISO9001, PED 2016/68/EU

Technical: Type 37 PN16 Rated EN1092-1 Collars.

Material grades: 304L (316L also available upon request).

Fittings – PN16 Backing Rings

Benefits:

- Full Thickness for PN16 rating (not half thickness as this does not satisfy PN16 requirements).
- Option of carbon steel with FBE (Fusion Bonded Epoxy) Coated.
- Option of carbon steel with BZP (Bright Zinc Plated) Coated or full stainless steel backing rings.

Technical: Coated Carbon Steel PN16 Backing Rings

Material grades: Carbon steel P235GH Material – harmonised under the PED.

For stainless backing rings 304L and 316L also available upon request.

Fittings – Bolt, Nut, Washer

Benefits:

- Hot-dip galvanized (HDG) carbon steel nuts and bolts are steel fasteners coated in molten zinc.
- Supplied to EN ISO 10684, minimum coating thickness $50\mu m$ – suitable for use with FBE (Fusion Bonded Epoxy) Coated backing rings.
- Provides superior, long-term corrosion resistance for outdoor and marine applications. They are ideal for structural, infrastructure, and construction projects.
- For stainless steel backing rings – stainless steel bolt, nut and washers to be used.

Technical: Hex HT bolts to DIN 931 (Partially Threaded) or DIN 933 (Set Screws – Fully Threaded is bolt length not long enough for a partial thread greater than 46mm). Hex Nuts to DIN 934, Form A washers to DIN 125A.

Material grades: TBC for Carbon steel. For stainless 304L (316L also available upon request)

2 Metric Stainless

Supporting question and answers

1) Why have Ashworth launched a stainless offering?

- Due to an increase in projects requiring stainless products, and customers wanting an alternative to current providers, Ashworth has now expanded its metal product offering.
- Alongside Carbon and Copper, the new Metric Stainless range enables us to satisfy a wider range of customer and project requirements in full.

2) Do you have datasheets and tech subs to support?

- Yes, our suppliers have technical information and brochures to support.
- However, in addition we have also developed generic technical submission documents for our customers that highlight our offer.
- These will be further updated as our range changes/expands to service customer and market needs.

3) Are product codes in place?

- Yes, these have been generated.

4) How does the Metric Stainless offer differ?

- We have partnered with reputable European suppliers where possible, with pipework and most of the fittings coming from Europe.
- For the fittings we have, where possible, gone for products with full NDT (Non-Destructive Testing) certification, i.e. EN10253-Part 4.
- For backing rings, we have gone full thickness to ensure PN16 ratings.
- Our backing ring FBE (Fusion Bonded Epoxy) coating has a predicted service life of 25 years, as does the tube.
- Galvanised nuts, bolts and washers have been specified as whisker free (reducing the risk of zinc flakes breaking off and getting into data centre units etc).

3 Tube Details

Benefits:

- Reputable European manufacturer with more than 50 years' experience
- High quality products and a key player on the stainless-steel welded tube market
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Large stock profile



Technical: Tubes to EN10217-7.

Material grades: 304L (316L also available upon request).

Sizes: Metric – key sizes we will look to offer shown below.

"Metric" pipework often refers to systems where the nominal size directly corresponds to the outer diameter (OD) in millimetres, such as a 25mm pipe having a 25mm OD.

The sizes below are typically referred to – the stock sizes we hold are shown.

Metric tube offering and theoretical weight in kg/m

	DN	OD (mm)	Thickness (mm)			
			1.5	2	2.5	3
	15	18	0.62			
	20	23	0.808			
	25	28	0.995			
	30	30		1.402		
	32	35	1.258			
STOCK	40	43	1.559			
	50	53	1.934			
STOCK		54		2.604		
STOCK	65	70		3.405		
	80	83	3.061			
STOCK	80	84		4.107		
	100	103	3.806			
STOCK		104		5.108		
	125	128	4.751			
STOCK		129		6.36		
	150	153	5.69			
STOCK		154		7.612		
		156				11.493
	200	203	7.568			
STOCK		204		10.116		
		206				15.294
STOCK	250	254		12.62		
		256				19.005
STOCK	300	304		15.124		
		306				22.761
	350	354		17.628		
		355.6				26.487
	400	406.4				30.303
	450	457.2				34.104
	500	508				37.936
	600	609.6				45.568

Sizes in yellow - can be Metric / ISO due to dimensional tolerances

Welded tubes are suitable for water services according to DVGW 541 to 100°C.

For guidance only: tubes produced according to EN 10217-7 are suitable to the design code EN 13480-3 for pressure calculations and values resulting must be checked and confirmed for the specific use by a mechanical engineer/design consultant or other qualified person. The below theoretical design pressures are calculated according to EN 13480-3 for grade EN 1.4307 (304L) at 20 deg C ambient temperature. Those highlighted fall below 16bar, and alternative walls or sizes may be required depending on application (test) pressure.

Metric Tube

DN	OD	Wall Thickness (mm)			
	(mm)	1.5	2.0	3.0	4.0
		Weight kg/mtr (Design pressure - bar)			
15	18	0.62(224)	-	-	-
20	23	0.808(175)	-	-	-
	25	0.883(161)	-	-	-
25	28	0.995(144)	-	-	-
	30	-	1.402(179)	-	-
32	35	1.258(115)	-	-	-
	38	1.371(106)	-	-	-
40	43	1.559(94)	-	-	-
	44.5	-	2.125(121)	-	-
50	53	1.934(76)	-	-	-
	54	-	2.604(99)	-	-
65	70	-	3.405(77)	-	-
80	83	3.061(48)	-	-	-
	84	-	4.107(64)	-	-
100	103	3.806(39)	-	-	-
	104	-	5.108(52)	-	-
125	128	4.751(31)	-	-	-
	129	-	6.36(42)	-	-
150	153	5.69(36)	-	-	-
	154	-	7.612(35)	-	-
	156	-	-	11.493(52)	-
200	204	-	10.116(27)	-	-
	206	-	-	15.249(39)	-
250	254	-	12.62(22)	-	-
	256	-	-	19.005(32)	-
300	304	-	15.124(18)	-	-
	306	-	-	22.761(26)	-
350	354	-	17.628(14)	-	-
	355.6	-	-	26.487(23)	-
400	406.4	-	-	30.303(20)	-
	406.4	-	-	-	40.304(26)
450	457.2	-	-	34.104(18)	-
	457.2	-	-	-	45.372(23)
500	508	-	-	37.936(16)	-
	508	-	-	-	50.481(21)
600	609.6	-	-	45.568(10)	-
	609.6	-	-	-	60.657(13)

Product Codes – Tube – Material 304L

Code	Metric – Tube - 304L
94670000	18 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00100
94670005	23 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00312
94670010	28 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00108
94670015	30 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00317
94670020	35 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00319
94670025	43 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00321
94670030	53 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00325
94670035	54 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00326
94670040	70 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00327
94670045	83 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00329
94670050	84 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00330
94670055	103 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00331
94670060	104 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00332
94670063	128 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QT
94670065	129 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00337
94670070	153 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00341
94670075	154 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00342
94670080	156 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00343
94670083	203 x 1.5mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QT
94670085	204 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00347
94670090	206 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00349
94670095	254 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00350
94670100	256 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00352
94670105	304 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00353
94670110	306 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00355
94670115	354 x 2.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00356
94670120	355.6 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00224
94670125	406.4 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00020
94670130	457.2 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00400
94670135	508 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00227
94670140	609.6 x 3.0mm EN10217-7 S/Steel Metric Tube T304L 6Mtr QTC00229

Product Codes – Tube – Material 316L

Code	Metric - Tube – 316L
94670145	18 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00094
94670150	23 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00094
94670155	28 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00318
94670160	30 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00319
94670165	35 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00109
94670170	43 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00322
94670175	53 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00324
94670180	54 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00325
94670185	70 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00327
94670190	83 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00329
94670195	84 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00330
94670200	103 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00331
94670205	104 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00332
94670208	128 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QT
94670210	129 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00337
94670215	153 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00338
94670220	154 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00339
94670225	156 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00340
94670228	203 x 1.5mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QT
94670230	204 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00342
94670235	206 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00344
94670240	254 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00345
94670245	256 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00347
94670250	304 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00348
94670255	306 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00350
94670260	354 x 2.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00351
94670265	355.6 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00234
94670270	406.4 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00019
94670275	457.2 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00380
94670280	508 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00237
94670285	609.6 x 3.0mm EN10217-7 S/Steel Metric Tube T316L 6Mtr QTG00239

4 Fittings - Bend Details

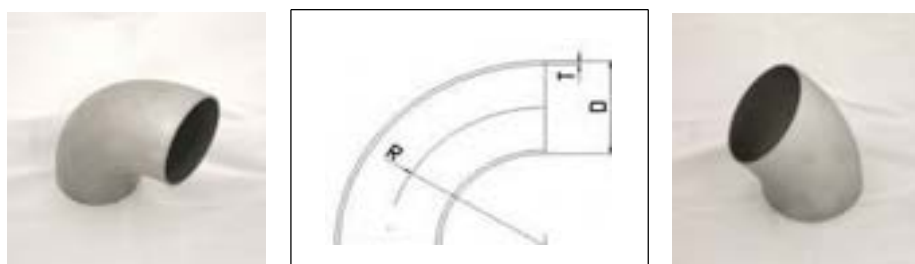
Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Large stock profile

Technical: Fittings to EN10253-3 and -4.

Material grades: 304L (316L also available upon request).

Sizes: The size chart below shows the range of fittings available – other sizes may be available upon request.



Sizes - guidance only – typical sizes available from our supplier – other sizes may be available – please check					
D	R	Thickness (mm)			
mm	mm	1.5	2	3	4
18.0	27.0	•			
23.0	35.0	•			
28.0	42.0	•			
30.0	33.5		•		
35.0	52.5	•			
43.0	64.5	•			
53.0	79.5	•			
54.0	TBC		•		
70.0	92.0		•		
84.0	TBC		•		
104.0	150.0		•		
106	TBC			•	
129.0	187.6		•		
154.0	225.0		•		
156.0	225.0			•	
204.0	300.0		•		
206.0	300.0			•	
254.0	375.0		•		
256.0	375.0			•	
304.0	450.0		•		
306.0	450.0			•	
355.6	533.0			•	
406.4	610.0			•	
457.2	686.0			•	
506.0	TBC			•	
508.0	762.0			•	•
606.0	TBC			•	
608.0	TBC				•

Product Codes – Metric – 90deg 1.5D Elbow – 304L

Code	Metric – 90deg 1.5D Elbow – 304L
94671600	18 x 1.5mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671605	23 x 1.5mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671610	28 x 1.5mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671615	30 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671620	35 x 1.5mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671625	43 x 1.5mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671630	53 x 1.5mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671635	54 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671640	70 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671645	84 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671650	104 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671652	106 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671655	129 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671660	154 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671665	156 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671670	204 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671675	206 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671680	254 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671685	256 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671690	304 x 2.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671695	306 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671700	356 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671705	406 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671710	456 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671715	506 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671716	508 x 4.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671720	606 x 3.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4
94671721	608 x 4.0mm S/S Metric 90 deg Elbow T304L 1.5D EN10253-4

Product Codes – Metric – 90deg 1.5D Elbow – 316L

Code	Metric – 90deg 1.5D Elbow – 316L
94671725	18 x 1.5mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671730	23 x 1.5mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671735	28 x 1.5mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671740	30 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671745	35 x 1.5mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671750	43 x 1.5mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671755	53 x 1.5mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671760	54 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671765	70 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671770	84 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671775	104 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4

94671777	106 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671780	129 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671785	154 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671790	156 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671795	204 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671800	206 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671805	254 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671810	256 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671815	304 x 2.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671820	306 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671825	356 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671830	406 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671835	506 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671836	508 x 4.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671840	606 x 3.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4
94671841	608 x 4.0mm S/S Metric 90 deg Elbow T316L 1.5D EN10253-4

Product Codes – Metric – 45deg 1.5D Elbow – 304L

Code	Metric – 45deg 1.5D Elbow – 304L
94671845	18 x 1.5mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671850	23 x 1.5mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671855	28 x 1.5mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671860	30 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671865	35 x 1.5mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671870	43 x 1.5mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671875	53 x 1.5mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671880	54 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671885	70 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671890	84 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671895	104 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671897	106 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671900	129 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671905	154 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671910	156 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671915	204 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671920	206 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671925	254 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671930	256 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671935	304 x 2.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671940	306 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671945	356 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671950	406 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671955	456 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671960	506 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3

94671962	508 x 4.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671965	606 x 3.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3
94671966	608 x 4.0mm S/S Metric 45 deg Elbow T304L 1.5D EN10253-3

Product Codes – Metric – 45deg 1.5 Elbow – 316L

Code	Metric – 45deg 1.5 Elbow – 316L
94671970	18 x 1.5mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94671975	23 x 1.5mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94671980	28 x 1.5mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94671985	30 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94671990	35 x 1.5mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94671995	43 x 1.5mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672000	53 x 1.5mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672005	54 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672010	70 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672015	84 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672020	104 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672022	106 x 3.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672025	129 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672030	154 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672035	204 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672040	206 x 3.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672045	254 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672050	256 x 3.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672055	304 x 2.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672060	356 x 3.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672065	406 x 3.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672067	508 x 4.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672070	606 x 3.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3
94672071	608 x 4.0mm S/S Metric 45 deg Elbow T316L 1.5D EN10253-3

Product Codes – Metric – 90deg D+100 Elbow – 304L

Code	Metric – 90deg D+100 Elbow – 304L
94672100	70 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672105	84 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672110	104 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672115	129 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672120	154 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672125	204 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672130	206 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672135	254 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672140	256 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672145	304 x 2.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4

94672150	306 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672155	356 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672160	358 x 4.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672165	406 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672170	408 x 4.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672175	456 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672180	458 x 4.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672185	506 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672190	508 x 4.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672195	606 x 3.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4
94672200	608 x 4.0mm S/S Metric 90 deg Elbow T304L D+100 EN10253-4

Product Codes – Metric – 90deg D+100 Elbow – 316L

Code	Metric – 90deg D+100 Elbow – 316L
94672205	70 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672210	84 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672215	104 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672220	129 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672225	154 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672230	204 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672235	206 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672240	254 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672245	256 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672250	304 x 2.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672255	306 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672260	356 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672265	358 x 4.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672270	406 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672275	408 x 4.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672280	456 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672285	458 x 4.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672290	506 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672295	508 x 4.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672300	606 x 3.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4
94672305	608 x 4.0mm S/S Metric 90 deg Elbow T316L D+100 EN10253-4

5 Fittings - Tee Details

Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Supplied to EN10253 Part 4 – full NDT (Non-Destructive Testing)

Technical: EN10253-4 with Dimensions and Tolerance in accordance with ISO 1127. Full Equal Tee with Branch - fabricated from EN10217-7 parent tube.

Material grades: 304L (316L also available upon request).

Sizes: The size chart below shows the range of fittings available – other sizes may be available upon request.

Metric Full Equal Tees with Branch



Sizes - guidance only – typical sizes available from our supplier – other sizes may be available – please check

D1	H	T	Weight	D1	H	T	Weight
18	25.5	1.5	0.038	104	105	2	1.191
20	25.5	1.5	0,042	106	105	3	1.469
23	25.5	1.5	0,047	129	124	2	1.76
25	28.5	1.5	0,056	131	124	3	1.993
28	28.5	1.5	0.067	154	143	2	2.8
30	38	1.5	0,110	156	143	3	2.987
30	38	2	0,118	204	178	2	3.836
33	38	1.5	0.14	206	178	3	5.721
38	47.5	1.5	0.181	254	250	2	7.21
43	47.5	1.5	0,223	256	250	3	9.03
44.5	47.5	1.5	0.235	304	300	2	10.407
44.5	47.5	2	0.235	306	300	3	15.61
50.8	57	1.5	0.33	354	350	2	14.147
53	57	1.5	0.242	356	350	3	21.22
54	57	2	0.338	406	400	3	27.68

63.5	63.5	1.5	0.353	408	400	4	37
64	63.5	2	0.43	456	450	3	35.01
69	63.5	2	0.475	458	450	4	46.78
73	76	1.5	0.58	506	500	3	43.19
74	76	2	0.594	508	500	4	57.7
76	76	1.5	0.668	606	600	3	62.23
84	85.5	2	0.772	608	600	4	82.98
86	85.5	3	1.158				

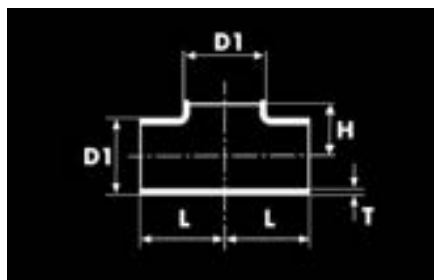
Product codes: Metric – Full Equal Tee with Branch - 304L

Code	Metric – Full Equal Tee with Branch - 304L
94672800	18 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672802	23 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672804	28 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672806	35 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672808	43 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672810	54 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672812	70 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672814	84 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672816	104 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672818	106 x 3.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672820	128 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672822	129 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672824	153 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672826	154 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672828	156 x 3.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672830	203 x 1.5mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672832	204 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672834	206 x 3.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672836	254 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672838	256 x 3.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672840	304 x 2.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672842	306 x 3.0mm SS Metric Full Equal Tee with Branch T304L - EN10253/4
94672844	354 x 2.0mm SS Metric Full Equal Tee with Branch T304L
94672846	356 x 3.0mm SS Metric Full Equal Tee with Branch T304L
94672848	406 x 3.0mm SS Metric Full Equal Tee with Branch T304L
94672850	408 x 4.0mm SS Metric Full Equal Tee with Branch T304L
94672852	456 x 3.0mm SS Metric Full Equal Tee with Branch T304L
94672854	458 x 4.0mm SS Metric Full Equal Tee with Branch T304L
94672856	506 x 3.0mm SS Metric Full Equal Tee with Branch T304L
94672858	508 x 4.0mm SS Metric Full Equal Tee with Branch T304L
94672860	606 x 3.0mm SS Metric Full Equal Tee with Branch T304L
94672862	608 x 4.0mm SS Metric Full Equal Tee with Branch T304L

Product codes: Metric – Full Equal Tee with Branch - 316L

Code	Metric – Full Equal Tee with Branch - 316L
94672870	18 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672872	23 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672874	28 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672876	35 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672878	43 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672880	54 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672882	70 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672884	84 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672886	104 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672888	106 x 3.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672890	128 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672892	129 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672894	153 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672896	154 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672898	156 x 3.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672900	203 x 1.5mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672902	204 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672904	206 x 3.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672906	254 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672908	256 x 3.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672910	304 x 2.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672912	306 x 3.0mm SS Metric Full Equal Tee with Branch T316L - EN10253/4
94672914	354 x 2.0mm SS Metric Full Equal Tee with Branch T316L
94672916	356 x 3.0mm SS Metric Full Equal Tee with Branch T316L
94672918	406 x 3.0mm SS Metric Full Equal Tee with Branch T316L
94672920	408 x 4.0mm SS Metric Full Equal Tee with Branch T316L
94672922	456 x 3.0mm SS Metric Full Equal Tee with Branch T316L
94672924	458 x 4mm SS Metric Full Equal Tee with Branch T316L
94672926	506 x 3.0mm SS Metric Full Equal Tee with Branch T316L
94672928	508 x 4.0mm SS Metric Full Equal Tee with Branch T316L
94672930	606 x 3.0mmSS Metric Full Equal Tee with Branch T316L
94672932	608 x 4.0mm SS Metric Full Equal Tee with Branch T316L

Pulled Equal Tees



Sizes - guidance only – typical sizes available from our supplier – other sizes may be available – please check

D1	H	L	T	Weight	D1	H	L	T	Weight
18	10	25.5	1.5	0.03	63.5	35	63.5	1.5	0.266
20	11,3	25.5	1.5	0.034	64	35	64	2	0.359
23	13	25.5	1.5	0.038	69	38	63.5	2	0.367
25	14	28.5	1.5	0.047	73	40	76	1.5	0.373
28	15,5	28.5	1.5	0.051	74	40	76	2	0.386
30	17	38	1.5	0,055	76	42	76	1.5	0.522
30	17	38	2	0.057	84	46.5	85.5	2	0.633
33	19	38	1.5	0.115	86	47	85.5	3	0.949
34	19	38	2	0.12	104	56.3	105	2	0.954
38	20,5	47.5	1.5	0.129	106	56.5	105	3	1.431
40	22	47.5	1.5	0.126	129	70	124	2	1.423
43	23.8	47.5	1.5	0.136	131	72	124	3	2.124
44	25.6	47.5	2	0.141	154	84	143	2	2.03
44.5	25.6	47,5	1.5	0.145	156	85	143	3	3.119
50.8	28	57	1.5	0.193	204	110	178	2	3.794
53	30	57	1.5	0.207	206	110	178	3	4.69
54	30	57	2	0.218	254	140	250	2	5.6
					256	141	250	3	8.2

Product codes: Metric – Pulled Equal Tee - 304L

Code	Metric – Pulled Equal Tee - 304L
94670930	18 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670935	23 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670925	28 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670945	35 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670940	43 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670955	54 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670965	70 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670970	84 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670875	104 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670880	106 x 3.0mm SS Metric Pulled Equal Tee T304L EN10253-4

94670885	129 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670890	128 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670950	153 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670895	154 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670960	156 x 3.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670900	203 x 1.5mm SS Metric Pulled Equal Tee T304L EN10253-4
94670905	204 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670910	206 x 3.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670915	254 x 2.0mm SS Metric Pulled Equal Tee T304L EN10253-4
94670920	256 x 3.0mm SS Metric Pulled Equal Tee T304L EN10253-4

For sizes ≥ 304 mm please refer to product codes for Metric Full Equal Tees with Branch (Fabricated)

Product codes: Metric – Pulled Equal Tee - 316L

Code	Metric – Pulled Equal Tee - 316L
94671520	18 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671525	23 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671515	28 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671535	35 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671530	43 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671545	54 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671555	70 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671560	84 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671465	104 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671470	106 x 3.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671540	128 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671475	129 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671550	153 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671485	154 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671480	156 x 3.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671490	203 x 1.5mm SS Metric Pulled Equal Tee T316L EN10253-4
94671495	204 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671500	206 x 3.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671505	254 x 2.0mm SS Metric Pulled Equal Tee T316L EN10253-4
94671510	256 x 3.0mm SS Metric Pulled Equal Tee T316L EN10253-4

For sizes ≥ 304 mm please refer to product codes for Metric Full Equal Tees with Branch (Fabricated)

Pulled Reducing Tees

Product codes: Metric – Pulled Reducing Tee - 304L

Code	Metric – Pulled Reducing Tee - 304L
94672640	54 x 29 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672642	54 x 44 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672644	70 x 44 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672646	70 x 54 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672648	84 x 44 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672650	84 x 54 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672652	84 x 70 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672654	104 x 54 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672656	104 x 70 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672658	104 x 84 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672660	129 x 54 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672662	129 x 70 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672664	129 x 84 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672666	129 x 104 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672668	154 x 70 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672670	154 x 84 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672672	154 x 104 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672673	154 x 129 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672674	204 x 70 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672676	204 x 84 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672678	204 x 104 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672680	204 x 154 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672682	254 x 84 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672684	254 x 104 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672686	254 x 154 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4
94672688	254 x 204 x 2.0mm SS Metric Pulled Reducing Tee T304L EN10253/4

For sizes ≥ 304 mm please refer to product codes for Metric Full Equal Tees with Branch (Fabricated)

Product codes: Metric – Pulled Reducing Tee - 316L

Code	Pulled Reducing Tee - 316L
94672710	54 x 29 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672712	54 x 44 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672714	70 x 44 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672716	70 x 54 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672718	84 x 44 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672720	84 x 54 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672722	84 x 70 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672724	104 x 54 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672726	104 x 70 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672728	104 x 84 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672730	129 x 54 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672732	129 x 70 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672734	129 x 84 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672736	129 x 104 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672738	154 x 70 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672740	154 x 84 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672742	154 x 104 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672743	154 x 129 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672744	204 x 70 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672746	204 x 84 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672748	204 x 104 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672750	204 x 154 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672752	254 x 84 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672754	254 x 104 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672756	254 x 154 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4
94672758	254 x 204 x 2.0mm SS Metric Pulled Reducing Tee T316L EN10253/4

For sizes ≥ 304 mm please refer to product codes for Metric Full Equal Tees with Branch (Fabricated)

6 Fittings – Con & Ecc Reducers

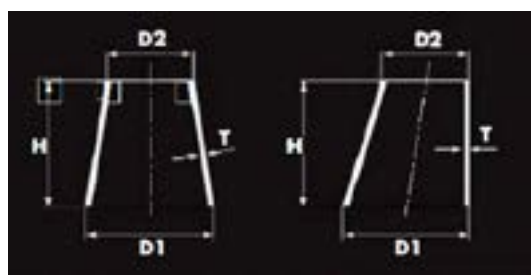
Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Supplied to EN10253 Part 4 – full NDT (Non-Destructive Testing)

Technical: EN10253-4 with Dimensions and Tolerance in accordance with ISO 1127.

Material grades: 304L (316L also available upon request).

Sizes: The size chart below shows the range of fittings available – other sizes may be available upon request.



Concentric Reducers

Sizes - guidance only – typical sizes available from our supplier – other sizes may be available – please check									
D1	D2	H	T	Weight	D1	D2	H	T	Weight
18	13	15	1.5	0.009	64	36	84	2	0.211
19	14	15	2	0.012	63	38	75	1.5	0.143
23	13	30	1.5	0.02	64	39	75	2	0.194
24	14	30	2	0.029	63	43	60	1.5	0.12
23	18	15	1.5	0.012	64	44	60	2	0.163
24	19	15	2	0.016	63	53	30	1.5	0.066
28	18	30	1.5	0.026	64	54	30	2	0.089
29	19	30	2	0.036	68	33	105	1.5	0.2
28	23	15	1.5	0.014	69	34	105	2	0.272
29	24	15	2	0.02	68	35	99	1.5	0.192
33	18	45	1.5	0.043	69	36	99	2	0.261
34	19	45	2	0.06	68	38	90	1.5	0.18
33	23	30	1.5	0.032	69	39	90	2	0.244
34	24	30	2	0.044	68	43	75	1.5	0.157
33	28	15	1.5	0.017	69	44	75	2	0.213
34	29	15	2	0.024	68	53	45	1.5	0.103
35	23	36	1.5	0.039	69	54	45	2	0.139
36	24	36	2	0.054	74	44	90	2	0.267
35	28	21	1.5	0.025	74	54	60	2	0.193
36	29	21	2	0.034	74	64	30	2	0.104
38	23	45	1.5	0.052	84	44	120	2	0.386

39	24	45	2	0.071	86	46	120	3	0.597
38	28	30	1.5	0.037	84	54	90	2	0.312
39	29	30	2	0.051	86	56	90	3	0.482
38	35	9	1.5	0.012	84	64	60	2	0.223
39	36	9	2	0.017	84	69	45	2	0.173
43	23	60	1.5	0.075	86	71	45	3	0.266
44	24	60	2	0.102	104	44	180	2	0.669
43	28	45	1.5	0.06	106	46	180	3	1.031
44	29	45	2	0.083	104	54	150	2	0.595
43	33	30	1.5	0.043	106	56	150	3	0.916
44	34	30	2	0.059	104	69	105	2	0.456
43	35	24	1.5	0.035	106	71	105	3	0.7
44	36	24	2	0.048	104	74	90	2	0.402
43	38	15	1.5	0.023	104	84	60	2	0.283
44	39	15	2	0.031	106	86	60	3	0.434
53	28	75	1.5	0.114	129	54	225	2	1.034
54	29	75	2	0.156	131	56	225	3	1.585
53	33	60	1.5	0.097	129	69	180	2	0.895
54	34	60	2	0.133	131	71	180	3	1.37
53	35	54	1.5	0.09	129	74	165	2	0.841
54	36	54	2	0.122	129	84	135	2	0.722
53	38	45	1.5	0.077	131	86	135	3	1.104
54	39	45	2	0.105	129	104	75	2	0.439
53	43	30	1.5	0.054	131	106	75	3	0.67
54	44	30	2	0.074	154	54	300	2	1.567
63	28	105	1.5	0.18	156	56	300	3	2.396
64	29	105	2	0.245	154	69	255	2	1.428
63	33	90	1.5	0.163	156	71	255	3	2.181
64	34	90	2	0.222	154	84	210	2	1.255
63	35	84	1.5	0.155	156	86	210	3	1.915

D1	D2	H	T	Weight	D1	D2	H	T	Weight
154	104	150	2	0.972	458	408	150	4	6.526
156	106	150	3	1	506	256	750	3	21.534
154	129	75	2	0.533	508	258	750	4	28.863
156	131	75	3	0.811	506	306	600	3	18.358
204	84	360	2	2.604	508	308	600	4	24.598
206	86	360	3	3.961	506	356	450	3	14.616
204	104	300	2	2.321	508	358	450	4	19.579
206	106	300	3	3.527	506	406	300	3	10.309
204	129	225	2	1.882	508	408	300	4	13.806
206	131	225	3	2.857	506	456	150	3	5.437
204	154	150	2	1.349	508	458	150	4	7.28
206	156	150	3	2.046	606	306	900	3	30.928
254	104	450	2	4.047	608	308	900	4	41.418
256	106	450	3	6.138	606	356	750	3	27.186
254	129	375	2	3.608	608	358	750	4	36.399
256	131	375	3	5.468	606	406	600	3	22.879
254	154	300	2	3.075	608	408	600	4	30.626
256	156	300	3	4.657	606	456	450	3	18.007
254	204	150	2	1.726	608	458	450	4	24.1

256	206	150	3	2.611	606	506	300	3	12.57
304	129	525	2	5.71	608	508	300	4	16.82
306	131	525	3	8.645	706	356	1050	3	42.017
304	154	450	2	5.177	708	358	1050	4	56.234
306	156	450	3	7.834	706	406	900	3	37.71
304	204	300	2	3.828	708	408	900	4	50.461
306	206	300	3	5.788	706	456	750	3	32.838
304	254	150	2	2.103	708	458	750	4	43.935
306	256	150	3	3.176	706	506	600	3	27.401
356	156	600	3	11.575	708	508	600	4	36.655
358	158	600	4	15.554	706	606	300	3	14.831
356	206	450	3	9.529	708	608	300	4	19.835
358	208	450	4	12.796	806	406	1200	3	54.802
356	256	300	3	6.918	808	408	1200	4	73.31
358	258	300	4	9.284	806	456	1050	3	49.93
356	306	150	3	3.742	808	458	1050	4	66.784
358	308	150	4	5.019	806	506	900	3	44.493
406	206	600	3	13.836	808	508	900	4	59.504
408	208	600	4	18.569	806	606	600	3	31.922
406	256	450	3	11.225	808	608	600	4	42.684
408	258	450	4	15.057	806	706	300	3	17.092
406	306	300	3	8.048	808	708	300	4	22.849
408	308	300	4	10.792	906	456	1350	3	69.282
406	356	150	3	4.307	908	458	1350	4	92.648
408	358	150	4	5.773	906	506	1200	3	63.845
456	256	600	3	16.097	908	508	1200	4	85.368
458	258	600	4	21.583	906	606	900	3	51.275
456	306	450	3	12.92	908	608	900	4	68.547
458	308	450	4	17.318	906	706	600	3	36.444
456	356	300	3	9.179	908	708	600	4	48.713
458	358	300	4	12.299	906	806	300	3	19.352
456	406	150	3	4.872	908	808	300	4	25.86

Eccentric Reducers

D1	D2	H	T	Weight	D1	D2	H	T	Weight
18	13	15	1.5	0.009	64	29	60	2	0.152
19	14	15	2	0.012	63	33	60	1.5	0.118
23	13	20	1.5	0.014	64	34	60	2	0.16
24	14	20	2	0.019	63	35	60	1.5	0.12
23	18	20	1.5	0.015	64	36	60	2	0.163
24	19	20	2	0.022	63	38	60	1.5	0.124
28	18	25	1.5	0.022	64	39	60	2	0.168
29	19	25	2	0.033	63	43	60	1.5	0.13
28	23	25	1.5	0.024	64	44	60	2	0.176
29	24	25	2	0.033	63	53	60	1.5	0.142
33	18	30	1.5	0.029	64	54	60	2	0.193
34	19	30	2	0.04	68	33	65	1.5	0.124
33	23	30	1.5	0.032	69	34	65	2	0.168
34	24	30	2	0.044	68	35	65	1.5	0.126
33	28	30	1.5	0.034	69	36	65	2	0.171
34	29	30	2	0.047	68	38	65	1.5	0.13

35	23	32	1.5	0.035	69	39	65	2	0.176
36	24	32	2	0.048	68	43	65	1.5	0.136
35	28	32	1.5	0.038	69	44	65	2	0.185
36	29	32	2	0.052	68	53	65	1.5	0.148
35	33	32	1.5	0.041	69	54	65	2	0.201
36	34	32	2	0.056	68	63	65	1.5	0.16
38	18	32	1.5	0.034	69	64	65	2	0.217
39	19	32	2	0.047	74	44	70	2	0.193
38	23	32	1.5	0.037	74	54	70	2	0.209
39	24	32	2	0.051	74	64	70	2	0.225
38	28	32	1.5	0.04	84	44	80	2	0.257
39	29	32	2	0.055	86	46	80	3	0.398
38	33	32	1.5	0.043	84	54	80	2	0.277
39	34	32	2	0.059	86	56	80	3	0.428
38	35	32	1.5	0.044	84	64	80	2	0.297
39	36	32	2	0.06	84	69	80	2	0.307
43	23	40	1.5	0.05	86	71	80	3	0.473
44	24	40	2	0.068	104	44	100	2	0.372
43	28	40	1.5	0.054	106	46	100	3	0.573
44	29	40	2	0.073	104	54	100	2	0.397
43	33	40	1.5	0.057	106	56	100	3	0.61
44	34	40	2	0.078	104	69	100	2	0.435
43	35	40	1.5	0.059	106	71	100	3	0.667
44	36	40	2	0.08	104	74	100	2	0.447
43	38	40	1.5	0.061	104	84	100	2	0.472
44	39	40	2	0.083	106	86	100	3	0.723
53	28	50	1.5	0.076	129	54	125	2	0.575
54	29	50	2	0.104	131	56	125	3	0.881
53	33	50	1.5	0.081	129	69	125	2	0.622
54	34	50	2	0.111	131	71	125	3	0.951
53	35	50	1.5	0.083	129	74	125	2	0.637
54	36	50	2	0.113	129	84	125	2	0.669
53	38	50	1.5	0.086	131	86	125	3	1.022
54	39	50	2	0.117	129	104	125	2	0.732
53	43	50	1.5	0.09	131	106	125	3	1.116
54	44	50	2	0.123	154	54	150	2	0.784
63	28	60	1.5	0.111	156	56	150	3	1.198

D1	D2	H	T	Weight	D1	D2	H	T	Weight
154	69	150	2	0.84	456	406	450	3	14.616
156	71	150	3	1.283	458	408	450	4	19.579
154	84	150	2	0.897	506	256	500	3	14.356
156	86	150	3	1.368	508	258	500	4	19.242
154	104	150	2	0.972	506	306	500	3	15.298
156	106	150	3	1.481	508	308	500	4	20.498
154	129	150	2	1.066	506	356	500	3	16.24
156	131	150	3	1.622	508	358	500	4	21.754
204	69	200	2	1.372	506	406	500	3	17.182
206	71	200	3	2.087	508	408	500	4	23.01
204	84	200	2	1.447	506	456	500	3	18.124
206	86	200	3	2.201	508	458	500	4	24.266
204	104	200	2	1.547	606	306	600	3	20.618

206	106	200	3	2.351	608	308	600	4	27.612
204	129	200	2	1.673	606	356	600	3	21.749
206	131	200	3	2.54	608	358	600	4	29.119
204	154	200	2	1.799	606	406	600	3	22.879
206	156	200	3	2.728	608	408	600	4	30.626
254	104	250	2	2.248	606	456	600	3	24.01
256	106	250	3	3.41	608	458	600	4	32.134
254	129	250	2	2.405	606	506	600	3	25.14
256	131	250	3	3.646	608	508	600	4	33.641
254	154	250	2	2.562	706	356	700	3	28.011
256	156	250	3	3.881	708	358	700	4	37.489
254	204	250	2	2.876	706	406	700	3	29.33
256	206	250	3	4.352	708	408	700	4	39.247
304	204	300	2	3.828	706	456	700	3	30.649
306	206	300	3	5.788	708	458	700	4	41006
304	254	300	2	4.205	706	506	700	3	31.968
306	256	300	3	6.353	708	508	700	4	42.764
356	206	350	3	7.412	706	606	700	3	34.605
358	208	350	4	9.953	708	608	700	4	46.281
356	256	350	3	8.071	806	406	800	3	36.535
358	258	350	4	10.832	808	408	800	4	48.873
356	306	350	3	8.73	806	456	800	3	38.042
358	308	350	4	11.711	808	458	800	4	50.883
406	206	400	3	9.224	806	506	800	3	39.549
408	208	400	4	12.379	808	508	800	4	52.893
406	256	400	3	9.978	806	606	800	3	42.563
408	258	400	4	13.384	808	608	800	4	56.912
406	306	400	3	10.731	906	456	900	3	46.188
408	308	400	4	14.389	908	458	900	4	61.765
406	356	400	3	11.485	906	506	900	3	47.884
408	358	400	4	15.394	908	508	900	4	64.026
456	256	450	3	12.073	906	606	900	3	51.275
458	258	450	4	16.187	908	608	900	4	68.547
456	306	450	3	12.92	906	706	900	3	54.666
458	308	450	4	17.318	908	708	900	4	73.069
456	356	450	3	13.768	906	806	900	3	58.057
458	358	450	4	18.448	908	808	900	4	77.591

Product Codes – Con Reducers – 304L

Code	
94670775	104 x 54 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670776	28 x 18 x 1.5mm S/S METRIC 304L CON REDUCER EN10253-4
94670777	35 x 28 x 1.5mm S/S METRIC 304L CON REDUCER EN10253-4
94670778	43 x 23 x 1.5mm S/S METRIC 304L CON REDUCER EN10253-4
94670779	43 x 28 x 1.5mm S/S METRIC 304L CON REDUCER EN10253-4
94670780	104 x 84 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670781	43 x 35 x 1.5mm S/S METRIC 304L CON REDUCER EN10253-4
94670782	54 x 28 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670783	54 x 35 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4

94670784	84 x 44 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670785	129 x 104 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670786	84 x 70 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670787	104 x 70 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670788	129 x 70 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670789	154 x 70 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670790	129 x 84 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670791	154 x 84 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670792	204 x 129 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670793	206 x 106 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670794	206 x 131 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670795	154 x 104 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670796	206 x 156 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670797	254 x 154 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670798	256 x 156 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670799	256 x 206 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670800	154 x 129 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670801	304 x 154 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670802	304 x 254 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670803	306 x 156 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670804	306 x 206 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670805	204 x 104 x 2.00mm S/S METRIC 304L CON REDUCER EN10253-4
94670806	306 x 256 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670807	356 x 256 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670808	406 x 206 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670809	406 x 256 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670810	204 x 154 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670811	406 x 306 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670812	506 x 306 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670813	506 x 406 x3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670814	508 x 408 x 4.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670815	254 x 204 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670816	508 x 458 x 4.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670817	606 x406 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670818	606 x 456 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670819	608 x 408 x 4.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670820	304 x 204 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670821	608 x 458 x 4.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670822	608 x 508 x 4.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670825	356 x 306 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670830	406 x 356 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670840	456 x 406 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670845	506 x 456 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670850	54 x 44 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670855	606 x 506 x 3.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670860	70 x 44 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4

94670865	70 x 54 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4
94670870	84 x 54 x 2.0mm S/S METRIC 304L CON REDUCER EN10253-4

Product Codes – Con Reducers – 316L

Code	Con Reducers – 316L
94671375	104 x 54 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671376	28 x 18 x 1.5mm S/S METRIC 316L CON REDUCER EN10253-4
94671377	35 x 28 x 1.5mm S/S METRIC 316L CON REDUCER EN10253-4
94671378	43 x 23 x 1.5mm S/S METRIC 316L CON REDUCER EN10253-4
94671379	43 x 28 x 1.5mm S/S METRIC 316L CON REDUCER EN10253-4
94671380	104 x 84 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671381	43 x 35 x 1.5mm S/S METRIC 316L CON REDUCER EN10253-4
94671382	54 x 28 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671383	54 x 35 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671384	84 x 44 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671385	129 x 104 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671386	84 x 70 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671387	104 x 70 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671388	129 x 70 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671389	154 x 70 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671390	129 x 84 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671391	154 x 84 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671392	204 x 129 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671393	206 x 106 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671394	206 x 131 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671395	154 x 104 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671396	206 x 156 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671397	254 x 154 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671398	256 x 156 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671399	256 x 206 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671400	154 x 129 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671401	304 x 154 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671402	304 x 254 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671403	306 x 156 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671404	306 x 206 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671405	204 x 104 x 2.00mm S/S METRIC 316L CON REDUCER EN10253-4
94671406	306 x 256 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671407	356 x 256 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671408	406 x 206 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671409	406 x 256 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671410	204 x 154 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671411	406 x 306 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671412	506 x 306 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671413	506 x 406 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671414	508 x 408 x 4.0mm S/S METRIC 316L CON REDUCER EN10253-4

94671415	254 x 204 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671416	508 x 458 x 4.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671417	606 x 406 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671418	606 x 456 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671419	608 x 408 x 4.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671420	304 x 204 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671421	608 x 458 x 4.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671422	608 x 508 x 4.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671425	356 x 306 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671430	406 x 356 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671435	44 x 29 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671440	54 x 44 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671445	606 x 506 x 3.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671450	70 x 44 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671455	70 x 54 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4
94671460	84 x 54 x 2.0mm S/S METRIC 316L CON REDUCER EN10253-4

Product Codes – Ecc Reducers – 304L

Code	Ecc Reducers – 304L
94672400	28 x 18 x 1.5mm S/S METRIC 304L ECC REDUCER EN10253-4
94672402	35 x 28 x 1.5mm S/S METRIC 304L ECC REDUCER EN10253-4
94672404	43 x 23 x 1.5mm S/S METRIC 304L ECC REDUCER EN10253-4
94672406	43 x 28 x 1.5mm S/S METRIC 304L ECC REDUCER EN10253-4
94672408	43 x 35 x 1.5mm S/S METRIC 304L ECC REDUCER EN10253-4
94672410	44 x 29 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672412	54 x 28 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672414	54 x 35 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672416	54 x 44 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672418	70 x 44 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672420	70 x 54 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672422	84 x 44 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672424	84 x 54 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672426	84 x 70 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672428	104 x 54 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672430	104 x 70 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672432	104 x 84 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672434	129 x 70 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672436	129 x 84 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672438	129 x 104 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672440	154 x 70 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672442	154 x 84 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672444	154 x 104 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672446	154 x 129 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672448	204 x 104 x 2.00mm S/S METRIC 304L ECC REDUCER EN10253-4
94672450	204 x 129 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4

94672452	204 x 154 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672454	206 x 106 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672456	206 x 131 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672458	206 x 156 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672460	254 x 154 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672462	254 x 204 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672464	256 x 156 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672466	256 x 206 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672468	304 x 154 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672470	304 x 204 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672472	304 x 254 x 2.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672474	306 x 156 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672476	306 x 206 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672478	306 x 256 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672480	356 x 256 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672482	356 x 306 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672484	406 x 206 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672486	406 x 256 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672488	406 x 306 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672490	406 x 356 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672492	456 x 406 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672494	506 x 306 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672496	506 x 406 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672498	506 x 456 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672500	508 x 408 x 4.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672502	508 x 458 x 4.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672504	606 x 406 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672506	606 x 456 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672508	606 x 506 x 3.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672510	608 x 408 x 4.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672512	608 x 458 x 4.0mm S/S METRIC 304L ECC REDUCER EN10253-4
94672514	608 x 508 x 4.0mm S/S METRIC 304L ECC REDUCER EN10253-4

Product Codes – Ecc Reducers – 316L

Code	Ecc Reducers – 316L
94672516	28 x 18 x 1.5mm S/S METRIC 316L ECC REDUCER EN10253-4
94672518	35 x 28 x 1.5mm S/S METRIC 316L ECC REDUCER EN10253-4
94672520	43 x 23 x 1.5mm S/S METRIC 316L ECC REDUCER EN10253-4
94672522	43 x 28 x 1.5mm S/S METRIC 316L ECC REDUCER EN10253-4
94672524	43 x 35 x 1.5mm S/S METRIC 316L ECC REDUCER EN10253-4
94672526	44 x 29 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672528	54 x 28 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672530	54 x 35 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672532	54 x 44 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672534	70 x 44 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4

94672536	70 x 54 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672538	84 x 44 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672540	84 x 54 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672542	84 x 70 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672544	104 x 54 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672546	104 x 70 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672548	104 x 84 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672550	129 x 70 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672552	129 x 84 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672554	129 x 104 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672556	154 x 70 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672558	154 x 84 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672560	154 x 104 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672562	154 x 129 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672564	204 x 104 x 2.00mm S/S METRIC 316L ECC REDUCER EN10253-4
94672566	204 x 129 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672568	204 x 154 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672570	206 x 106 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672572	206 x 131 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672574	206 x 156 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672576	254 x 154 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672578	254 x 204 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672580	256 x 156 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672582	256 x 206 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672584	304 x 154 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672586	304 x 204 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672588	304 x 254 x 2.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672590	306 x 156 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672592	306 x 206 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672594	306 x 256 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672596	356 x 256 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672598	356 x 306 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672600	406 x 206 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672602	406 x 256 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672604	406 x 306 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672606	406 x 356 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672608	506 x 306 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672610	506 x 406 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672612	508 x 408 x 4.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672614	508 x 458 x 4.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672616	606 x 406 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672618	606 x 456 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672620	606 x 506 x 3.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672622	608 x 408 x 4.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672624	608 x 458 x 4.0mm S/S METRIC 316L ECC REDUCER EN10253-4
94672626	608 x 508 x 4.0mm S/S METRIC 316L ECC REDUCER EN10253-4

7 Fittings – End Cap Details

Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Modern manufacturing and testing facilities
- Certification to ISO9001, PED 2016/68/EU
- Wealth of technical expertise
- Large stock profile

Technical: EN10253-4 with Dimensions and Tolerance in accordance with ISO 1127.

Material grades: 304L (316L also available upon request).

Sizes: The size chart below shows the range of fittings available – other sizes may be available upon request.



D1	H	T	Weight	D1	H	T	Weight
18	13	1.5/2	0.009	73	21	1.5/2	0.15
19	13	2	0.01	74	21	2	0.1
20	12	1.5/2	0.011	76	28	3	0.198
23	12	1.5/2	0.014	84	23	2	0.131
24	12	2	0.015	86	23	3	0.2
25	12	1.5/2	0.016	104	24	2	0.187
28	12	1.5/2	0.022	106	25	3	0.28
29	12	2	0.023	129	34	2	0.314
30	14	1.5/2	0.024	131	35	3	0.47
33	12	1.5/2	0.025	154	41	2	0.444
34	12	2	0.026	156	42	3	0.67
38	15	1.5/2	0.034	204	50	2	0.754
40	14	1.5/2	0.033	206	50	3	1.13
43	16	1.5/2	0.04	254	55	2	1.078
44	16	2	0.042	256	55	3	1.62
46	17	3	0.075	304	68	2	1.646
50.8	19	1.5/2	0.055	306	70	3	2.47
53	19	1.5/2	0.058	354	84	2	2.344
54	18	2	0.058	356	89	3	3.52
56	19	3	0.115	406	98	3	4.523
63.5	19	1.5/2	0.076	456	108	3	5.494
64	19	2	0.078	506	120	3	6.558
69	21	2	0.097	606	140	3	9.232
70	21	2	0.097				
71	21	3	0.099				

Product Codes – End Caps – 304L

Code	End Caps – 304L
94670650	28 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670655	30 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670660	38 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670665	43 x 1.5mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670670	44.0 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670675	53 x 1.5mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670680	54 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670685	69 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670690	70 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670695	84 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670700	104 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670701	106 x 3.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670705	129 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670706	131 x 3.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670710	154 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670711	156 x 3.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670715	204 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670720	206 x 3.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670725	254 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670730	256 x 3.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670735	304 x 2.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670740	306 x 3.0mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670745	354 x 2mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670750	356 x 3mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670755	406 x 3mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670760	456 x 3mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670765	506 x 3mm S/S METRIC PRESSED END CAP T304L EN10253-4
94670770	606 x 3mm S/S METRIC PRESSED END CAP T304L EN10253-4

Product Codes – End Caps – 316L

Code	End Caps – 316L
94671250	28 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671255	30 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671260	38 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671265	43 x 1.5mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671270	44.0 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671275	53 x 1.5mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671280	54 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671285	69 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671290	70 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671295	84 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671300	104 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671301	106 x 3.0mm S/S METRIC PRESSED END CAP T316L EN10253-4

94671305	129 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671306	131 x 3.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671310	154 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671311	156 x 3.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671315	204 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671320	206 x 3.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671325	254 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671330	256 x 3.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671335	304 x 2.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671340	306 x 3.0mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671345	354 x 2mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671350	356 x 3mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671355	406 x 3mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671360	456 x 3mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671365	506 x 3mm S/S METRIC PRESSED END CAP T316L EN10253-4
94671370	606 x 3mm S/S METRIC PRESSED END CAP T316L EN10253-4

8 Fittings – PN16 Collar Details

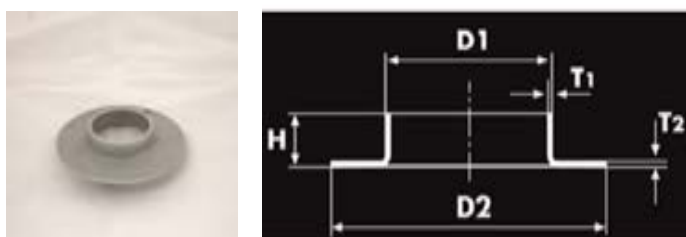
Benefits:

- Reputable European manufacturer with many years' experience
- High quality products
- Certification to ISO9001, PED 2016/68/EU

Technical: Coated Carbon Steel PN16 Backing Rings

Material grades: 304L (316L also available upon request).

Sizes: The size chart below shows the range of fittings available – other sizes may be available upon request.



DN	D1	T1	T2	D2	H	Weight	Design Pressure
20	25	2	3	58	10	0.06	16
25	30	2	3	68	12	0.08	16
32	38	2	3	78	14	0.11	16
40	44.5	2	3	88	17	0.14	16
50	54	2	3	102	18	0.18	16
65	70	2	3	122	20	0.25	16
80	84	2	3	138	24	0.32	16
100	104	2	2.5	158	27	0.33	16
	106	3	4	158	27	0.52	16
125	129	2	2.5	188	27	0.44	16
	131	3	4	188	27	0.69	16
150	154	2	2.5	212	27	0.51	16
	156	3	4	212	27	0.8	16
200	204	2	3	268	26	0.68	16
	206	3	4	268	26	1	16
250	254	2	3				
250	256	3	4	320	31	1.07	16
300	304	2	3		35	1.45	16
	306	3	4	370	35	1.21	16
	308	4	5	370	35	1.58	16
350	355.6	3	4	430	43	1.87	16
	355.6	4	5				
400	406.4	3	4	482	43	2.5	16
	406.4	4	5	482	43	3.3	16
450	457.2	3	4	532	45	2.9	16

	457.2	4	5	532	45	3.8	16
500	508	3	4	585	45	3.2	16
	508	4	5	585	45	4.2	16
600	609.6	3	4	685	45	3.7	16
	609.6	4	5	685	45	4.9	16

Product Codes – Type 37 Collars – 304L

Code	Type 37 Collars – 304L
94670405	20mm x 2/3 H9 EN1092-1 Type 37 304L PN16 Collar
94670410	25mm x 2/3 H10 EN1092-1 Type 37 304L PN16 Collar
94670415	30mm x 2/3 H12 EN1092-1 Type 37 304L PN16 Collar
94670420	38mm x 2/3 H14 EN1092-1 Type 37 304L PN16 Collar
94670425	44.5mm x 2/3 H17 EN1092-1 Type 37 304L PN16 Collar
94670430	54mm x 2/3 H18 EN1092-1 Type 37 304L PN16 Collar
94670435	70mm x 2/3 H20 EN1092 -1 Type 37 304L PN16 Collar
94670440	84mm x 2/3 H24 EN1092-1 Type 37 304L PN16 Collar
94670445	104mm x 2/2.5 H27 EN1092-1 Type 37 304L PN16 Collar
94670450	106mm x 3/4 H27 EN1092-1 Type 37 304L PN16 Collar
94670455	129mm x 2/2.5 H27 EN1092-1 Type 37 304L PN16 Collar
94670460	131mm x 3/4 H27 EN1092-1 Type 37 304L PN16 Collar
94670465	154mm x 2/2.5 H27 EN1092-1 Type 37 304L PN16 Collar
94670470	156mm x 3/4 H27 EN1092-1 Type 37 304L PN16 Collar
94670475	204mm x 2/3 H26 EN1092 -1 Type 37 304L PN16 Collar
94670480	206mm x 3/4 H26 EN1092-1 Type 37 304L PN16 Collar
94670483	254mm x2/3 H31 EN1092-1 Type 37 304L PN16 Collar
94670485	256mm x 3/4 H31 EN1092-1 Type 37 304L PN16 Collar
94670488	304mm x2/3 H35 EN1092-1 Type 37 304L PN16 Collar
94670490	306mm x 3/4 H35 EN1092-1 Type 37 304L PN16 Collar
94670495	308mm x 4/5 H35 EN1092-1 Type 37 304L PN16 Collar
94670500	355.6mm x 3/4 H43 EN1092-1 Type 37 304L PN16 Collar
94670505	355.6mm x 4/5 H43 EN1092-1 Type 37 304L PN16 Collar
94670510	406.4mm x 3/4 H43 EN1092-1 Type 37 304L PN16 Collar
94670515	406.4mm x 4/5 H43 EN1092-1 Type 37 304L PN16 Collar
94670520	457.2mm x 3/4 H45 EN1092-1 Type 37 304L PN16 Collar
94670525	457.2mm x 4/5 H45 EN1092-1 Type 37 304L PN16 Collar
94670530	508mm x 3/4 H45 EN1092-1 Type 37 304L PN16 Collar
94670535	508mm x 4/5 H45 EN1092-1 Type 37 304L PN16 Collar
94670540	609.6mm x 3/4 H45 EN1092-1 Type 37 304L PN16 Collar
94670545	609.6mm x 4/5 H45 EN1092-1 Type 37 304L PN16 Collar

Product Codes – Type 37 Collars – 316L

Code	Type 37 Collars – 316L
94670605	20mm x 2/3 H9 EN1092-1 Type 37 316L PN16 Collar
94670610	25mm x 2/3 H10 EN1092-1 Type 37 316L PN16 Collar
94670615	30mm x 2/3 H12 EN1092-1 Type 37 316L PN16 Collar
94670620	38mm x 2/3 H14 EN1092-1 Type 37 316L PN16 Collar
94670625	44.5mm x 2/3 H17 EN1092-1 Type 37 316L PN16 Collar
94670630	54mm x 2/3 H18 EN1092-1 Type 37 316L PN16 Collar
94670635	70mm x 2/3 H20 EN1092 -1 Type 37 316L PN16 Collar
94670640	84mm x 2/3 H24 EN1092-1 Type 37 316L PN16 Collar
94670645	104mm x 2/2.5 H27 EN1092-1 Type 37 316L PN16 Collar
94671000	106mm x 3/4 H27 EN1092-1 Type 37 316L PN16 Collar
94671005	129mm x 2/2.5 H27 EN1092-1 Type 37 316L PN16 Collar
94671010	131mm x 3/4 H27 EN1092-1 Type 37 316L PN16 Collar
94671015	154mm x 2/2.5 H27 EN1092-1 Type 37 316L PN16 Collar
94671020	156mm x 3/4 H27 EN1092-1 Type 37 316L PN16 Collar
94671025	204mm x 2/3 H26 EN1092 -1 Type 37 316L PN16 Collar
94671030	206mm x 3/4 H26 EN1092-1 Type 37 316L PN16 Collar
94671033	254mm x2/3 H31 EN1092-1 Type 37 316L PN16 Collar
94671035	256mm x 3/4 H31 EN1092-1 Type 37 316L PN16 Collar
94671038	304mm x2/3 H35 EN1092-1 Type 37 316L PN16 Collar
94671040	306mm x 3/4 H35 EN1092-1 Type 37 316L PN16 Collar
94671045	308mm x 4/5 H35 EN1092-1 Type 37 316L PN16 Collar
94671050	355.6mm x 3/4 H43 EN1092-1 Type 37 316L PN16 Collar
94671055	355.6mm x 4/5 H43 EN1092-1 Type 37 316L PN16 Collar
94671060	406.4mm x 3/4 H43 EN1092-1 Type 37 316L PN16 Collar
94671065	406.4mm x 4/5 H43 EN1092-1 Type 37 316L PN16 Collar
94671070	457.2mm x 3/4 H45 EN1092-1 Type 37 316L PN16 Collar
94671075	457.2mm x 4/5 H45 EN1092-1 Type 37 316L PN16 Collar
94671080	508mm x 3/4 H45 EN1092-1 Type 37 316L PN16 Collar
94671085	508mm x 4/5 H45 EN1092-1 Type 37 316L PN16 Collar
94671090	609.6mm x 3/4 H45 EN1092-1 Type 37 316L PN16 Collar
94671095	609.6mm x 4/5 H45 EN1092-1 Type 37 316L PN16 Collar

9 Fittings – PN16 Backing Rings Details

Benefits:

- Full Thickness for PN16 rating (not half thickness as this does not satisfy PN16 requirements)
- Option of carbon steel with FBE (Fusion Bonded Epoxy) Coated
- Option of carbon steel with BZP (Bright Zinc Plated) Coated or full stainless steel backing rings

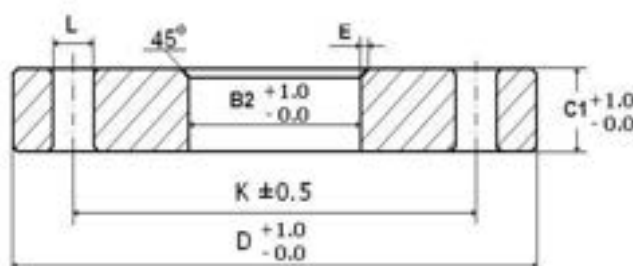
Technical: Type 37 PN16 Rated EN1092-1 Collars.

Material grades: Carbon steel P235GH Material – harmonised under the PED.

For stainless backing rings 304L and 316L also available upon request.

Datasheet: Full OA datasheet available in support. Note: Service life will depend on coating option used. FBE can be 25 years (see coating datasheet and disclaimers). BZP will have less depending on post coating treatments – speak to Technical for confirmation.

Sizes:



Size	D	K (PCD)	L	No. of Holes	C1	B2	E	Unit Weight
50	165	125	18	4	20	60	3	2.72
65	185	145	18	4	20	75	3	3.37
80	200	160	18	8	20	90	3	3.62
100	220	180	18	8	22	110	4	4.2
125	250	210	18	8	22	136	4	5.21
150	285	240	22	8	24	161	5	6.89
200	340	295	22	12	26	212	6	9.31
250	405	355	26	12	29	262	6	15.31
300	460	410	26	12	32	313	6	20.58
350	520	470	26	16	35	365	8	23.95
400	580	525	30	16	38	416	8	34.07
450	640	585	30	20	42	467	8	43.95
500	715	650	33	20	46	519	8	62.17
600	840	770	36	20	55	622	8	98.98

Product Codes – Full Thickness Backing Rings – Fusion Bonded Epoxy (FBE)

94673200	25mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673202	32mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673204	40mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673206	50mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673208	65mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673210	80mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673212	100mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673214	125mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673216	150mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673218	200mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673220	250mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673222	300mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673224	350mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673226	400mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673228	450mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673230	500mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673232	550mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673234	600mm PN16 EN1092-1 P235GH Full Thickness Backing Ring FBE - Green
94673250	25mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673252	32mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673254	40mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673256	50mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673258	65mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673260	80mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673262	100mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673264	125mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673266	150mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673268	200mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673270	250mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673272	300mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673274	350mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673276	400mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673278	450mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673280	500mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673282	550mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green
94673284	600mm PN16 EN1092-1 P235GH Full Thickness Blank Flange FBE - Green

Product Codes – Full Thickness Backing Rings – Bright Zinc Plated (BZP) Coated

Code	
94673100	25mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673102	32mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673104	40mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673106	50mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673108	65mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673110	80mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673112	100mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673114	125mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673116	150mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673118	200mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673120	250mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673122	300mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673124	350mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673126	400mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673128	450mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673130	500mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673132	550mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673134	600mm PN16 EN1092-1 P235GH Full Thickness Backing Ring - BZP
94673150	25mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673152	32mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673154	40mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673156	50mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673158	65mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673160	80mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673162	100mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673164	125mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673166	150mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673168	200mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673170	250mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673172	300mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673174	350mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673176	400mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673178	450mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673180	500mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673182	550mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP
94673184	600mm PN16 EN1092-1 P235GH Full Thickness Blank Flange - BZP

10 Fittings – Bolt, Nut, Washer Details

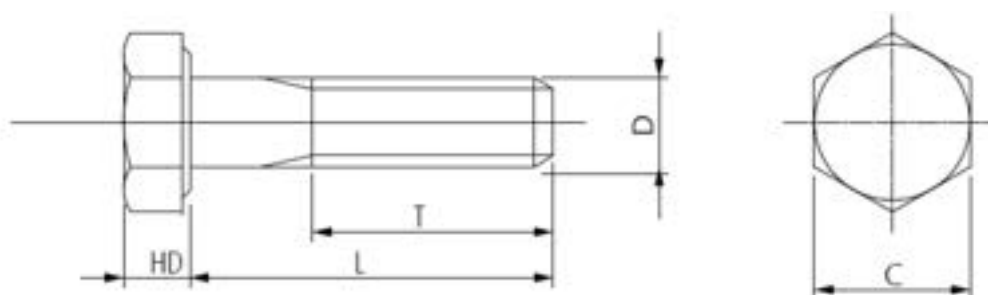
Benefits:

- Hot-dip galvanized (HDG) carbon steel nuts and bolts are steel fasteners coated in molten zinc
- Supplied to EN ISO 10684, minimum coating thickness $50\mu m$ - suitable for use with FBE (Fusion Bonded Epoxy) Coated backing rings
- Provides superior, long-term corrosion resistance for outdoor and marine applications
They are ideal for structural, infrastructure, and construction projects
- For stainless steel backing rings – stainless steel bolt, nut and washers to be used

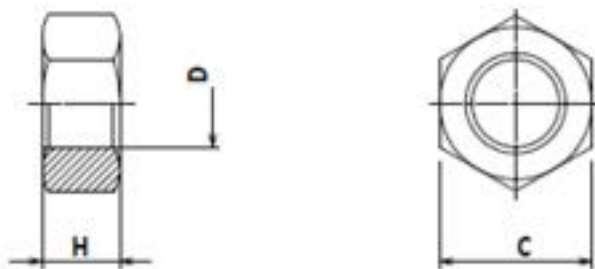
Technical: Hex HT bolts to DIN 931 (Partially Threaded) or DIN 933 (Set Screws – Fully Threaded) is bolt length not long enough for a partial thread greater than 46mm). Hex Nuts to DIN 934, Form A washers to DIN 125A.

Material grades: TBC for Carbon steel. For stainless 304L (316L also available at request) TBC.

Sizes:



Size / D	L	T - ≤ 125	T - 125 ≤ 200	T - ≥ 200	HD	C	P
M6	≤100	18	-	-	4.15	10	1
M8	≤150	22	28	-	5.45	13	1.25
M10	≤300	26	32	45	6.58	17	1.5
M12	≤300	30	36	49	7.68	19	1.75
M16	≤300	38	44	57	10.18	24	2
M20	≤300	46	52	65	12.72	30	2.5
M24	≤300	54	60	73	15.22	36	3
M30	≤200	66	72	85	19.12	46	3



Size / D	H	C	P
M3	2.4	5.5	0.5
M4	3.2	7	0.7
M5	4	8	0.8
M6	5	10	1
M8	6.5	13	1.25
M10	8	17	1.5
M12	10	19	1.75
M14	11	22	2
M16	13	24	2
M20	16	30	2.5
M24	19	36	3
M27	22	41	3
M30	24	46	3.5



Size	D	OD	T
M4	4.3	9	0.8
M5	5.3	10	1
M6	6.4	12	1.6
M8	8.4	16	1.6
M10	10.5	20	2
M12	13	24	2.5
M14	15	28	2.5
M16	17	30	3
M20	21	37	3
M24	25	44	4



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