



DESIGN
MADE IN ITALY

TUBES

TECNOLOGIA MAS1TM

P A T E N T E D T E C H N O L O G Y W O R L D W I D E

The background is a solid blue color. Overlaid on this are numerous thin, white, straight lines that intersect to form a complex, abstract geometric pattern. The lines create various shapes, including triangles, quadrilaterals, and larger irregular polygons. Some lines are parallel, while others are perpendicular or at various angles, creating a sense of depth and movement. The overall effect is that of a technical drawing or a mathematical diagram.

CREDITS

GRAPHIC DESIGN

studioimmagina.com

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We are leaders in Italy in the sector of special machine tools, which is a passion that has always offered us infinite opportunities in order to create, unique and innovative products. We undertake every day to reach new targets together with our clients, with whom we had realized projects which satisfy the peculiar needs of each customer, and which high and professional performances. This is the spirit that led us to create MAS1™ technology which we can now proudly offer to the market.



Shaped tubes produced via the patented MAS1™ cold process, using tubes without welding produced by hot rolling or cold drawing. Supplied with round and flat heads without bevel, all the pipes are manufactured and cut to a fixed standard commercial length (cutting tolerance -0/+50 mm) of about 6m.

TUBES

MAS1™ TECHNOLOGY

SS

TUBES MAS1™ TECHNOLOGY BLACK WITHOUT WELDING

Shaped tubes produced via the patented MAS1™ cold process, using tubes welded longitudinally produced by cold drawing and debeaded externally. Supplied with round and flat heads without bevel, all the pipes are manufactured and cut to a fixed standard commercial length (cutting tolerance $-0/+50$ mm) of about 6m.

Available with treatment accessories such as: heat tempering, electro-galvanizing, deburring, pickling.

Deformations and cuts can be performed outside the standard length by 1 m. up to a maximum of about 8 m.



CHEMICAL ELEMENTS

(% of mass)

Steel	C max	Mn min	Mn max	P max	S max	Si max	Cr max	Cu max	Mo max	Ni max	V max
E235	0.30	0.29	1.06	0.035	0.035	0.10	0.40	0.40	0.15	0.40	0.08

MECHANICAL CHARACTERISTICS

Yield strength Min.ReH (N/mm ² =Mpa)	Breaking strength Min.Rm (N/mm ² =Mpa)	Longitudinal Elongation min. %
235	360 - 500	30

ERW

TUBES MAS1™ TECHNOLOGY BLACK WELDED

Shaped tubes produced via the patented MAS1™ cold process, using tubes welded longitudinally produced by cold drawing and debeaded externally. Supplied with round and flat heads without bevel, all the pipes are manufactured and cut to a fixed standard commercial length (cutting tolerance $-0/+50$ mm) of about 6m.

Available with treatment accessories such as: heat tempering, electro-galvanizing, deburring, pickling.

Deformations and cuts can be performed outside the standard length by 1 m. up to a maximum of about 8 m.



CHEMICAL ELEMENTS

(% of mass)

Steel	C max	Mn min	Mn max	P max	S max	Si max	Cr max	Cu max	Mo max	Ni max	V max
S235JRH	0.20	0.4	1.4	0.045	0.045	-	-	-	-	0.009	-

MECHANICAL CHARACTERISTICS

Yield strength Min.ReH (N/mm ² =Mpa)	Breaking strength Min.Rm (N/mm ² =Mpa)	Longitudinal Elongation min. %
235	340 - 470	26

I

TUBES MAS1™ TECHNOLOGY STAINLESS STEEL WELDED

Shaped tubes produced via the patented MAS1™ cold process, using round tubes welded longitudinally produced by cold drawing and debaded externally. Supplied with round and flat heads without bevel, all the pipes are manufactured and cut to a fixed standard commercial length (cutting tolerance -0/+50 mm) of about 6m.

Deformations and cuts can be performed outside the standard length by 1 m. up to a maximum of about 8 m.



CHEMICAL ELEMENTS

(% of mass)

Steel	C max	Mn min	Mn max	P max	S max	Si max	Cr max	Cu max	Mo max	Ni max	V max
1.4307 (A-304L)	0.02	-	2.0	0.04	0.015	0.75	18.1	-	-	8.3	-

MECHANICAL CHARACTERISTICS

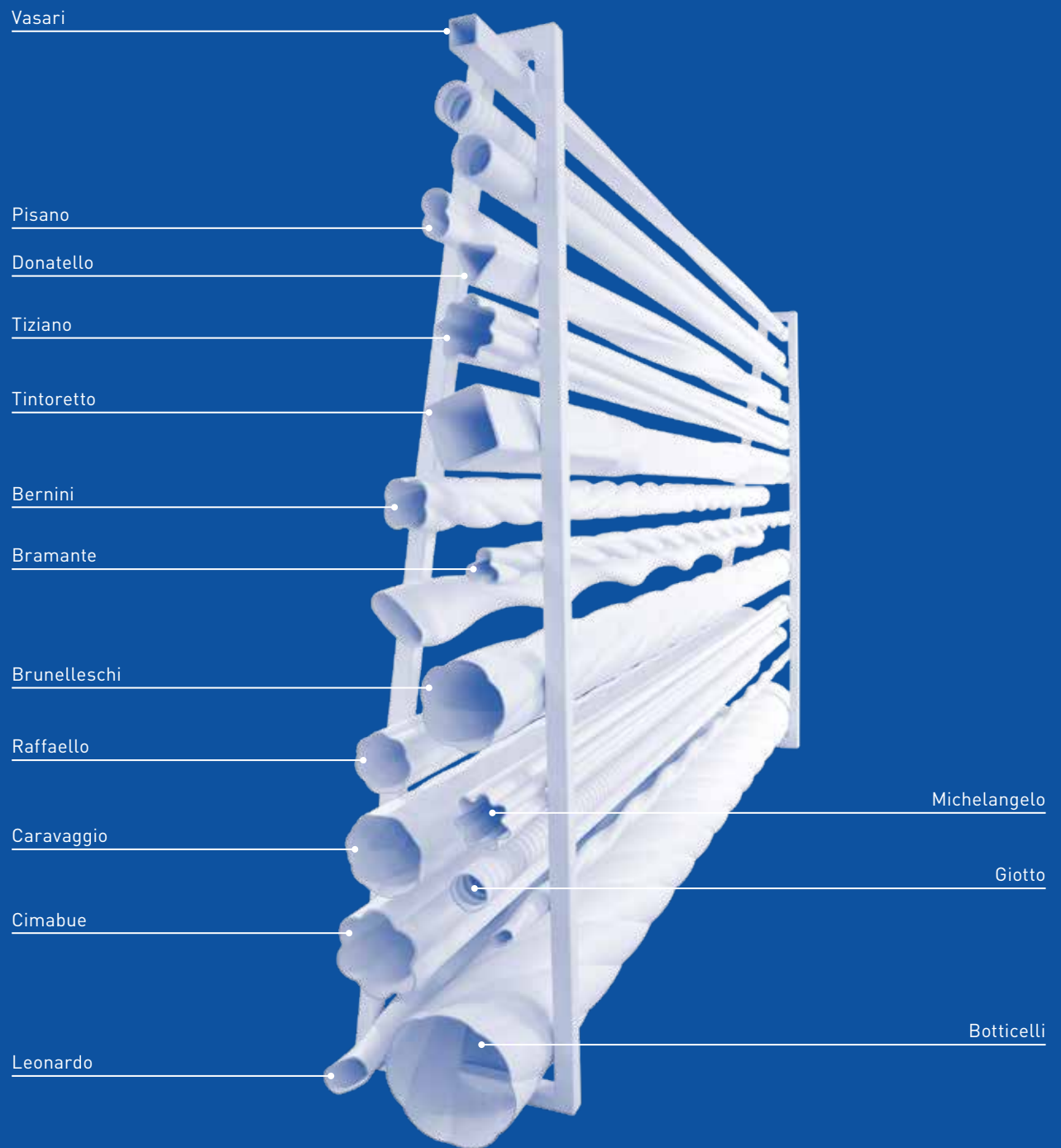
Yield strength Min.ReH (N/mm ² =Mpa)	Breaking strength Min.Rm (N/mm ² =Mpa)	Longitudinal Elongation min. %
250	500 - 520	45



The catalogue only contains a range of shapes and sizes that we consider standard. In addition to the products in the catalogue and with the cooperation of our technical workshop, it is possible to design shapes, sizes, processes and materials, according to specific needs, and the individual requests of our customers.

MEASUREMENTS PIPE SECTIONS





1 Botticelli

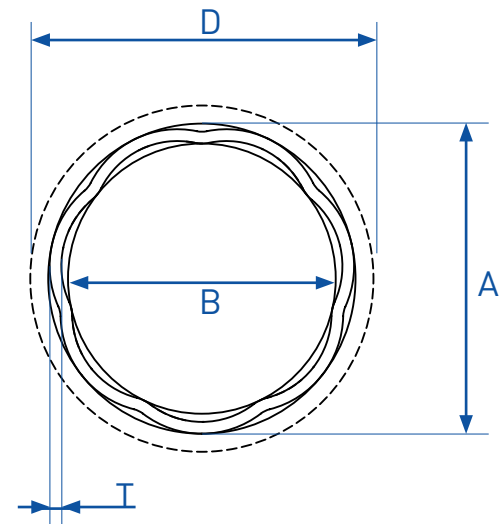


D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS						
33,7	2,6	33,4	26	1200	1,99	S 34 12 0 -1
76,1	2,9	75,4	63	1200	5,24	S 76 12 29 -1
114,3	3,6	113,2	103	1500	9,87	S 114 15 36 -1
219,1	4,8	217	203,6	2000	26,3	S 219 20 48 -1

Carbon Steel ERW						
33,7	2,6	33,4	31,3	1200	1,9	W 34 12 26 -1
76,1	2,9	75,4	70,7	1200	5,2	W 76 12 29 -1
114,3	3,6	113,2	106,2	1500	9,8	W 114 15 36 -1
219,1	4,8	217	203,6	2000	26,3	W 219 20 48 -1

Stainless Steel						
33,7	2	33,4	31,3	1200	1,59	I 33,7 12 20 -1
76,1	3	75,4	70,7	1200	5,49	I 76,1 12 30 -1
114,3	3	113,2	106,2	1500	8,37	I 114,3 15 30 -1
219,1	4	217	203,6	2000	21,55	I 219,1 20 40 -1



2 Leonardo



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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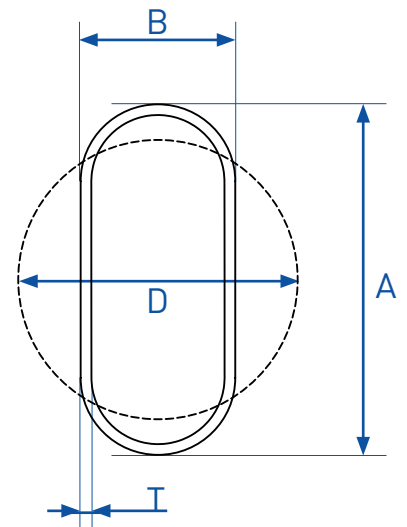
Carbon Steel SS

33,7	2,6	40,4	21,7	1500	1,99	S 34 15 26 -2
76,1	2,9	91	49	1500	5,24	S 76 15 29 -2
114,3	3,6	137	73,5	1500	9,87	S 114 15 36 -2

Carbon Steel ERW

Stainless Steel

33,7	2	40,4	21,7	1500	1,59	I 33,7 15 20 -2
76,1	3	91	49	1500	5,49	I 76,1 15 30 -2
114,3	3	137	73,5	1500	8,37	I 114,3 15 30 -2



3 Cimabue



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

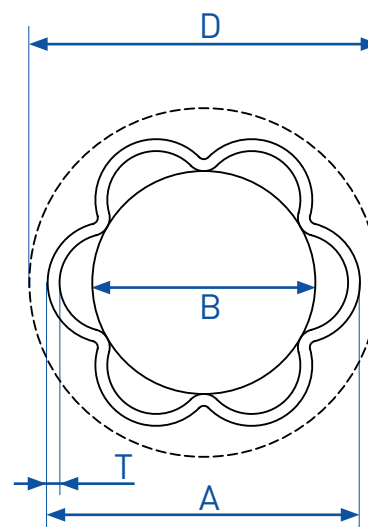
33,7	2,6	33,8	27	-	1,99	S 34 0 26 -3
76,1	2,9	76,4	65,3	-	5,24	S 76 0 29 -3
114,3	3,6	114,8	98	-	9,87	S 114 0 36 -3
219,1	4,8	220	188	-	26,3	S 219 0 48 -3

Carbon Steel ERW

33,7	2,6	33,8	28,9	-	1,9	W 34 0 26 -3
76,1	2,9	76,4	65,3	-	5,2	W 76 0 29 -3
114,3	3,6	114,8	98	-	9,8	W 114 0 36 -3
219,1	4,8	220	188	-	26,3	W 219 0 48 -3

Stainless Steel

33,7	2	33,8	28,9	-	1,59	I 33,7 0 20 -3
76,1	3	76,4	65,3	-	5,49	I 76,1 0 30 -3
114,3	3	114,8	98	-	8,37	I 114,3 0 30 -3
219,1	4	220	188	-	21,55	I 219,1 0 40 -3



4 Caravaggio



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

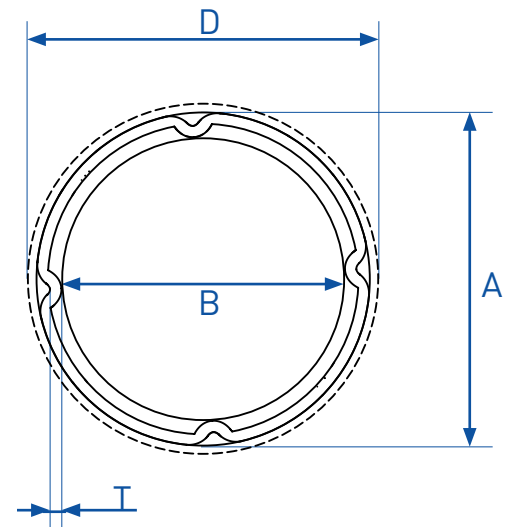
-	-	-	-	-	-	
76,1	2,9	76,5	67	1000	5,24	S 76 10 29 -4
114,3	3,6	114,9	101	2500	9,87	S 114 25 36 -4
219,1	4,8	220,2	207,8	2500	26,3	S 219 25 48 -4

Carbon Steel ERW

-	-	-	-	-	-	
76,1	2,9	76,5	72,2	1000	5,2	W 76 10 29 -4
114,3	3,6	114,9	108,4	2500	9,8	W 114 25 36 -4
219,1	4,8	220,2	207,8	2500	26,3	W 219 25 48 -4

Stainless Steel

-	-	-	-	-	-	
76,1	3	76,5	72,2	1000	5,49	I 76,1 10 30 -4
114,3	3	114,9	108,4	2500	8,37	I 114,3 25 30 -4
219,1	4	220,2	207,8	2500	21,55	I 219,1 25 40 -4



5 Giotto



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

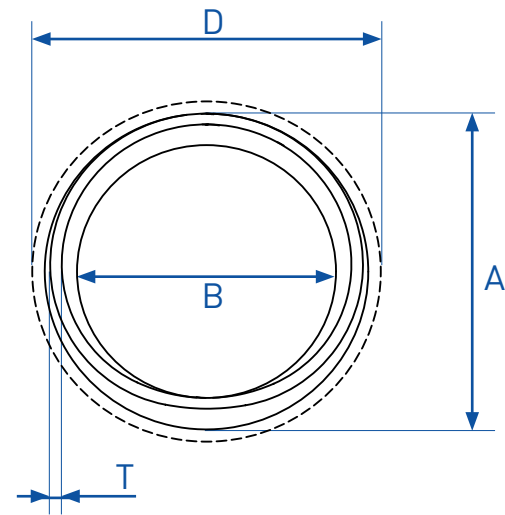
33,7	2	33,7	27,7	25	1,99	S 34 0,25 20 -5
76,1	2,6	76,1	62,6	35	5,24	S 76 0,35 26 -5
114,3	3,6	114,3	93,9	40	9,87	S 114 0,4 36 -5
219,1	4,8	219,1	180,1	50	26,3	S 219 0,5 48 -5

Carbon Steel ERW

33,7	2,6	33,7	27,7	25	1,9	W 34 0,25 26 -5
76,1	2,9	76,1	62,6	35	5,2	W 76 0,35 29 -5
114,3	3,6	114,3	93,9	40	9,8	W 114 0,4 36 -5
219,1	4,8	219,1	180,1	50	26,3	W 219 0,5 48 -5

Stainless Steel

33,7	2	33,7	27,7	25	1,59	I 33,7 0,25 20 -5
76,1	3	76,1	62,6	35	5,49	I 76,1 0,35 30 -5
114,3	3	114,3	93,9	40	8,37	I 114,3 0,4 30 -5
219,1	4	219,1	180,1	50	21,55	I 219,1 0,5 40 -5



6 Michelangelo



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

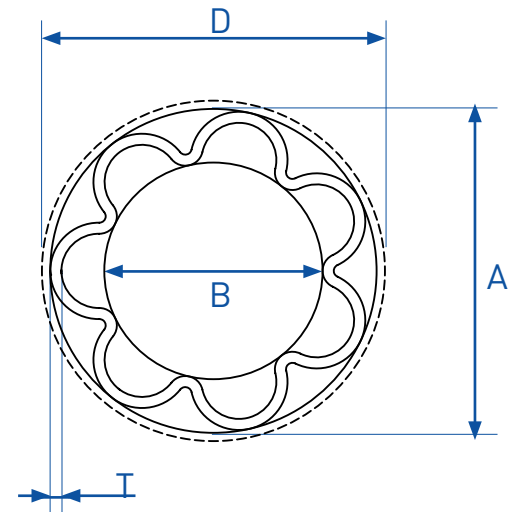
-	-	-	-	-	-	
76,1	2,6	72,3	50,4	-	5,24	S 76 0 26 -6
114,3	3,6	108,5	75,7	-	9,87	S 114 0 36 -6
219,1	4,8	208	145	-	26,3	S 219 0 48 -6

Carbon Steel ERW

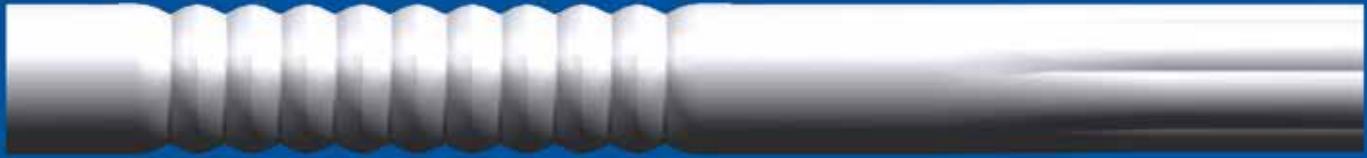
-	-	-	-	-	-	
76,1	2,9	72,3	50,4	-	5,2	W 76 0 29 -6
114,3	3,6	108,5	75,7	-	9,8	W 114 0 36 -6
219,1	4,8	208	145	-	26,3	W 219 0 48 -6

Stainless Steel

-	-	-	-	-	-	
76,1	3	72,3	50,4	-	5,49	I 76,1 0 30 -6
114,3	3	108,5	75,7	-	8,37	I 114,3 0 30 -6
219,1	4	208	145	-	21,55	I 219,1 0 40 -6



7 Raffaello



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

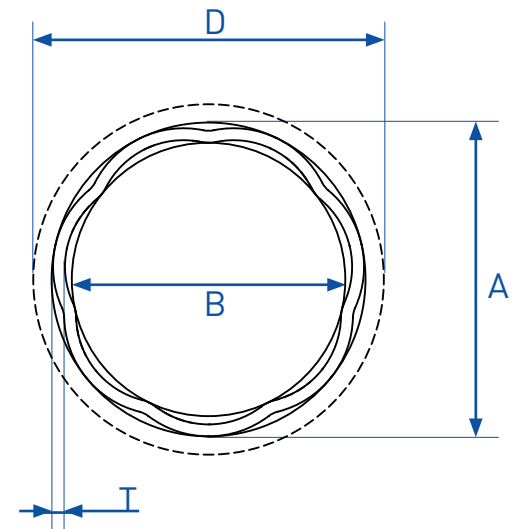
-	-	-	-	-	-	
76,1	2,6	76,1	68,5	-	5,24	S 76 0 26 -7
114,3	3,6	114,3	102,9	-	9,87	S 114 0 36 -7
219,1	4,8	219,1	197,2	-	26,3	S 219 0 48 -7

Carbon Steel ERW

-	-	-	-	-	-	
76,1	2,9	76,1	68,5	-	5,2	W 76 0 29 -7
114,3	3,6	114,3	102,9	-	9,8	W 114 0 36 -7
219,1	4,8	219,1	197,2	-	26,3	W 219 0 48 -7

Stainless Steel

-	-	-	-	-	-	
76,1	3	76,1	68,5	-	5,49	I 76,1 0 30 -7
114,3	3	114,3	102,9	-	8,37	I 114,3 0 30 -7
219,1	4	219,1	197,2	-	21,55	I 219,1 0 40 -7



8 Brunelleschi

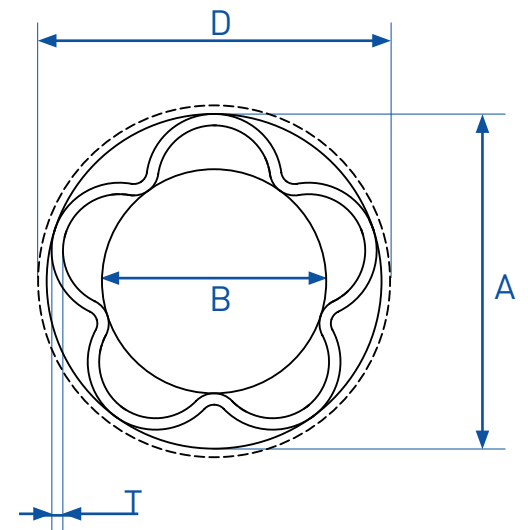


D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS						
33,7	2	33,7	28	1500	1,99	S 34 15 20 -8
76,1	2,6	76,1	67,5	1500	5,24	S 76 15 26 -8
114,3	3,6	114,3	101,3	1500	9,87	S 114 15 36 -8
219,1	4,8	219,1	194,3	1500	26,3	S 219 15 48 -8

Carbon Steel ERW						
33,7	2,6	33,7	29,9	1500	1,9	W 34 15 26 -8
76,1	2,9	76,1	67,5	1500	5,2	W 76 15 29 -8
114,3	3,6	114,3	101,3	1500	9,8	W 114 15 36 -8
219,1	4,8	219,1	194,3	1500	26,3	W 219 15 48 -8

Stainless Steel						
33,7	2	33,7	29,9	1500	1,59	I 33,7 15 20 -8
76,1	3	76,1	67,5	1500	5,49	I 76,1 15 30 -8
114,3	3	114,3	101,3	1500	8,37	I 114,3 15 30 -8
219,1	4	219,1	194,3	1500	21,55	I 219,1 15 40 -8





D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

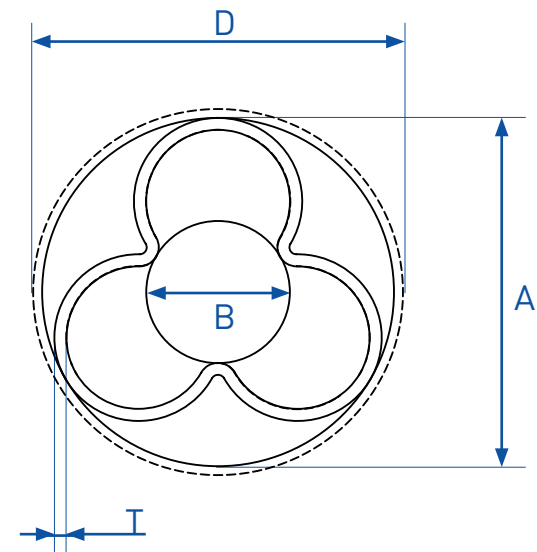
33,7	2	36,6	14,1	400	1,99	S 34 4 20 -9
76,1	2,6	82,7	31,8	600	5,24	S 76 6 26 -9
114,3	3,6	124,2	47,8	1000	9,87	S 114 10 36 -9
-	-	-	-	-	-	-

Carbon Steel ERW

33,7	2,6	36,6	14,1	400	1,9	W 34 4 26 -9
76,1	2,9	82,7	31,8	600	5,2	W 76 6 29 -9
114,3	3,6	124,2	47,8	1000	9,8	W 114 10 36 -9
-	-	-	-	-	-	-

Stainless Steel

33,7	2	36,6	14,1	400	1,59	I 33,7 4 20 -9
76,1	3	82,7	31,8	600	5,49	I 76,1 6 30 -9
114,3	3	124,2	47,8	1000	8,37	I 114,3 10 30 -9
-	-	-	-	-	-	-



10 Bernini



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

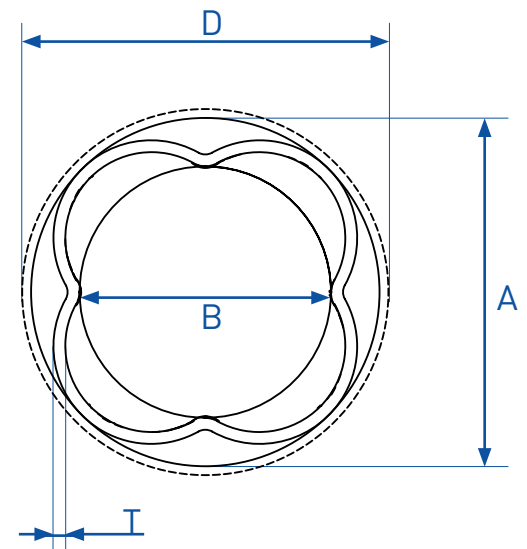
33,7	2	34,6	25,2	400	1,99	S 34 4 20 -10
76,1	2,6	78,2	57	600	5,24	S 76 6 26 -10
114,3	3,6	117,5	85,6	800	9,87	S 114 8 36 -10
219,1	4,8	225,2	164,1	1400	26,3	S 219 14 48 -10

Carbon Steel ERW

33,7	2	34,6	25,2	400	1,99	S 34 4 20 -10
76,1	2,6	78,2	57	600	5,24	S 76 6 26 -10
114,3	3,6	117,5	85,6	800	9,87	S 114 8 36 -10
219,1	4,8	225,2	164,1	1400	26,3	S 219 14 48 -10

Stainless Steel

33,7	2	34,6	25,2	400	1,59	I 33,7 4 20 -10
76,1	3	78,2	57	600	5,49	I 76,1 6 30 -10
114,3	3	117,5	85,6	800	8,37	I 114,3 8 30 -10
219,1	4	225,2	164,1	1400	21,55	I 219,1 14 40 -10



11 Pintoretto



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

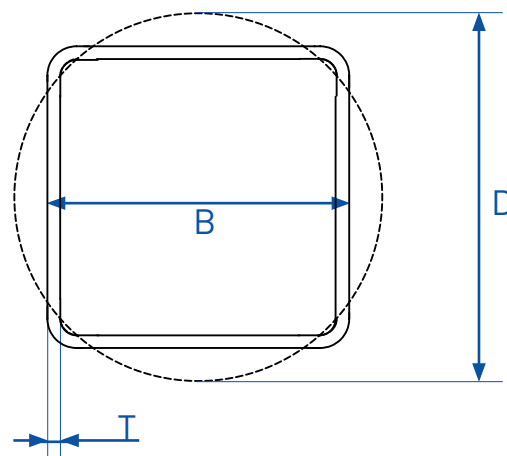
33,7	2	-	27,7	-	1,99	S 34 0 20 -11
76,1	2,6	-	62,5	-	5,24	S 76 0 26 -11
114,3	3,6	-	93,9	-	9,87	S 114 0 36 -11
219,1	4,8	-	180	-	26,3	S 219 0 48 -11

Carbon Steel ERW

33,7	2,6	-	27,7	-	1,9	W 34 0 26 -11
76,1	2,9	-	62,5	-	5,2	W 76 0 29 -11
114,3	3,6	-	93,9	-	9,8	W 114 0 36 -11
219,1	4,8	-	180	-	26,3	W 219 0 48 -11

Stainless Steel

33,7	2	-	27,7	-	1,59	I 33,7 0 20 -11
76,1	3	-	62,5	-	5,49	I 76,1 0 30 -11
114,3	3	-	93,9	-	8,37	I 114,3 0 30 -11
219,1	4	-	180	-	21,55	I 219,1 0 40 -11





D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

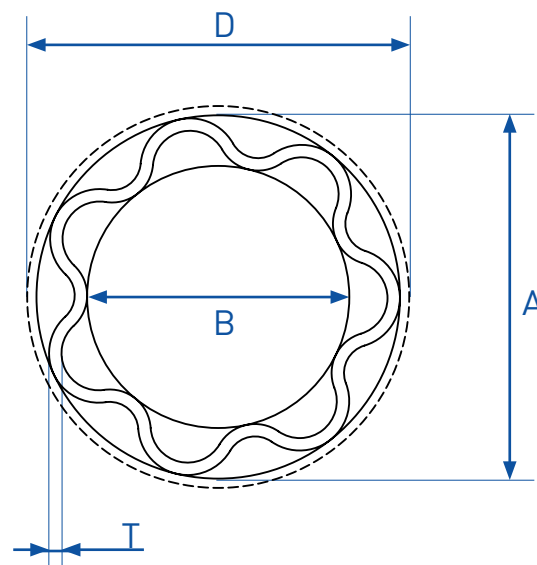
-	-	-	-	-	-	
76,1	2,6	72,3	57	10000	5,24	S 76 100 26 -12
114,3	3,6	108,6	85,7	10000	9,87	S 114 100 36 -12
219,1	4,8	208,1	164,3	10000	26,3	S 219 100 48 -12

Carbon Steel ERW

-	-	-	-	-	-	
76,1	2,9	72,3	57	10000	5,2	W 76 100 29 -12
114,3	3,6	108,6	85,7	10000	9,8	W 114 100 36 -12
219,1	4,8	208,1	164,3	10000	26,3	W 219 100 48 -12

Stainless Steel

-	-	-	-	-	-	
76,1	3	72,3	57	10000	5,49	I 76,1 100 30 -12
114,3	3	108,6	85,7	10000	8,37	I 114,3 100 30 -12
219,1	4	208,1	164,3	10000	21,55	I 219,1 100 40 -12



13 Donatello



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

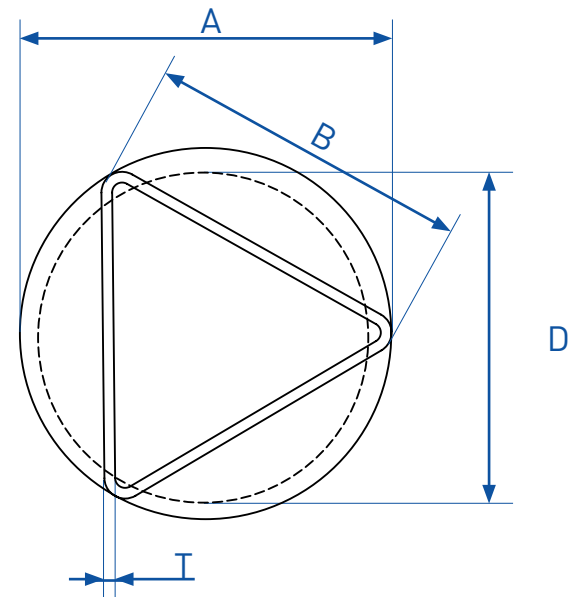
33,7	2	33,9	35,80	10000	1,99	S 34 100 20 -13
76,1	2,6	76,5	79,65	10000	5,24	S 76 100 26 -13
114,3	3,6	114,9	119,6	10000	9,87	S 114 100 36 -13
-	-	-	-	-	-	-

Carbon Steel ERW

33,7	2,6	33,9	35,3	10000	1,9	W 34 100 26 -13
76,1	2,9	76,5	79,65	10000	5,2	W 76 100 29 -13
114,3	3,6	114,9	119,6	10000	9,8	W 114 100 36 -13
-	-	-	-	-	-	-

Stainless Steel

33,7	2	33,9	35,3	10000	1,59	I 33,7 100 20 -13
76,1	3	76,5	79,65	10000	5,49	I 76,1 100 30 -13
114,3	3	114,9	89,4	10000	8,37	I 114,3 100 30 -13
-	-	-	-	-	-	-



14 Pisano



D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

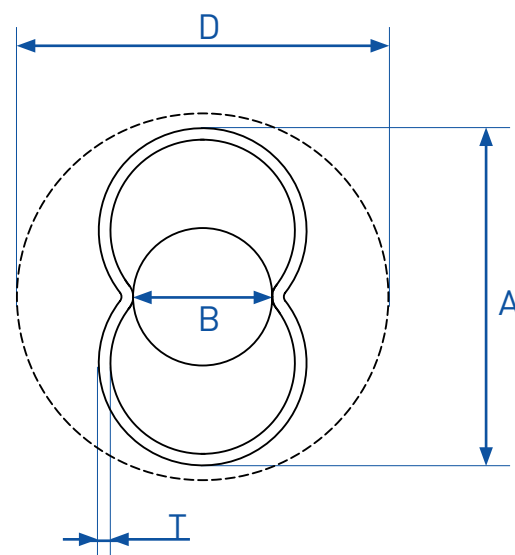
33,7	2	37,9	18,2	10000	1,99	S 34 100 20 -14
76,1	2,6	85,5	41	10000	5,24	S 76 100 26 -14
114,3	3,6	128,4	61,6	10000	9,87	S 114 100 36 -14
219,1	4,8	246,2	118,2	10000	26,3	S 219 100 48 -14

Carbon Steel ERW

33,7	2,6	37,9	18,2	10000	1,9	W 34 100 26 -14
76,1	2,9	85,5	41	10000	5,2	W 76 100 29 -14
114,3	3,6	128,4	61,6	10000	9,8	W 114 100 36 -14
219,1	4,8	246,2	118,2	10000	26,3	W 219 100 48 -14

Stainless Steel

33,7	2	37,9	18,2	10000	1,59	I 33,7 100 20 -14
76,1	3	85,5	41	10000	5,49	I 76,1 100 30 -14
114,3	3	128,4	61,6	10000	8,37	I 114,3 100 30 -14
219,1	4	246,2	118,2	10000	21,55	I 219,1 100 40 -14





D [mm]	T [mm]	A [mm]	B [mm]	Step [mm]	Weight [Kg/m]	Code
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Carbon Steel SS

33,7	2	-	26,9	10000	1,99	S 34 100 20 -15
76,1	2,6	-	60,7	10000	5,24	S 76 100 26 -15
114,3	3,6	-	91,1	10000	9,87	S 114 100 36 -15
219,1	4,8	-	174,7	10000	26,3	S 219 100 48 -15

Carbon Steel ERW

33,7	2,6	-	26,9	10000	1,9	W 34 100 26 -15
76,1	2,9	-	60,7	10000	5,2	W 76 100 29 -15
114,3	3,6	-	91,1	10000	9,8	W 114 100 36 -15
219,1	4,8	-	174,7	10000	26,3	W 219 100 48 -15

Stainless Steel

33,7	2	-	26,9	10000	1,59	I 33,7 100 20 -15
76,1	3	-	60,7	10000	5,49	I 76,1 100 30 -15
114,3	3	-	91,1	10000	8,37	I 114,3 100 30 -15
219,1	4	-	174,7	10000	21,55	I 219,1 100 40 -15

