



› NOT INCLUDED IN OUR PRICES LIST

REALIZATION OF TECHNICAL PARTS ON VARIOUS DRAWINGS FOR ALL INDUSTRIES:
AERONAUTIC - AUTOMOTIVE - HEAVY EQUIPMENT - OIL AND GAS - HYDRAULICS NETWORKS - PROCESSING INDUSTRY - SPECIAL MACHINES TOOLS



ROLLER FITTINGS

- › WHEELS, ROLLERS, GUIDES, PULLEYS
- › CYLINDERS, COUNTERPARTS
- › CHAIN WHEELS, ELASTIC COUPLINGS ETC.
- › MISCELLANEOUS

HANDLING - OFFICE - CARDBOARD PAPER INDUSTRY



- › MOULDED, MACHINED AND CUT COUPLINGS ETC.
- › ACTUATORS, MEMBRANES, SEALS...
- › HYDROCYCLONES, PUMP BODIES ETC.
- › ROTORS, FLOTATION CELL PARTS ETC.

MINES AND QUARRIES - FOOD OIL AND CHEMICAL INDUSTRIES...

FOR LININGS OF WHEELS, ROLLERS, CYLINDERS AND SPECIAL PARTS (WITH OR WITHOUT INSERT), PLEASE CONTACT OUR SALES DEPARTMENT, SPECIFYING ALL THE DESIRED CHARACTERISTICS (HARDNESS, GEOMETRIC TOLERANCES, ACCEPTANCE CRITERIA) TO ENSURE A RESPONSE FAST.

THE WRITTEN OFFER OF THE COMPANY IS FOR A PERIOD OF TWO MONTHS AND OUR COMPLETION DEADLINE, PROVIDED AS AN INDICATION, IS TO RECONFIRM WHEN ORDERING.

STUDIES AND TECHNICAL RECOMMENDATIONS ARE PROVIDED FOR INFORMATION ONLY. THEY DO NOT IN ANY WAY INCUR ANY LIABILITY FOR THE COMPANY.



MATERIAL COSTS

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A SERIES	PAGE 2



STANDARD PRODUCTS

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SEMI-PRODUCTS

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CONDITIONS OF SALES

OUR PRICES ARE EXCL. VAT, DEPARTURE, PACKING EXTRA.
 FOR TOOLS, PAYMENT IS MADE IN CASH: 50% WITH ORDER, 50% UPON DELIVERY OF THE FIRST PARTS.
 OUR MINIMUM ORDER IS 80 EUROS EXCL. VAT
 TERMS AND CONDITIONS ON LAST PAGE.



MATERIAL COSTS



CONSULT US ABOUT

- › DIFFERENT COLOURINGS
- › OTHER PRODUCTS
- › OTHER APPLICATIONS
- › FOOD MATERIALS & PRODUCTS AND MATERIALS ACCREDITED FOR USE IN POWER PLANTS

Shore A hardness	30	40	50	60	70	80	85	90	95	97	+99
Shore D	-	-	-	-	-	-	-	40	50	60	75
U and E series Polyether polyurethane						U-42 E-420 orange		U-100 E-100 green	U-167 E-167 brown	U-200 E-200 blue	U-315 E-315 cream
R series Polyester polyurethane	R-300 yellow	R-400 red	R-500 blue	R-600 yellow	R-700 Turquoise	R-800 yellow		R-900 yellow			
A series Polyester polyurethane						A-80 brown	A-85 brown	A-90 brown			

POLYETHER BASE

Good hot water resistance

U and E series (standards applications)

- Hydrocyclones, actuators
- Dampers, cushions, forming dies
- Urethane Hammers

POLYESTER BASE

Good resistance to oils and solvents

R SERIE (very high abrasion resistance)

- High-quality abrasion-resistant shock absorption product
- Hydrocyclones, guide fittings
- Press protection compression
- Extensive hardness range

A SERIE (very good dynamic quality)

- Wheels, tyres
- Press springs
- Concrete mixers

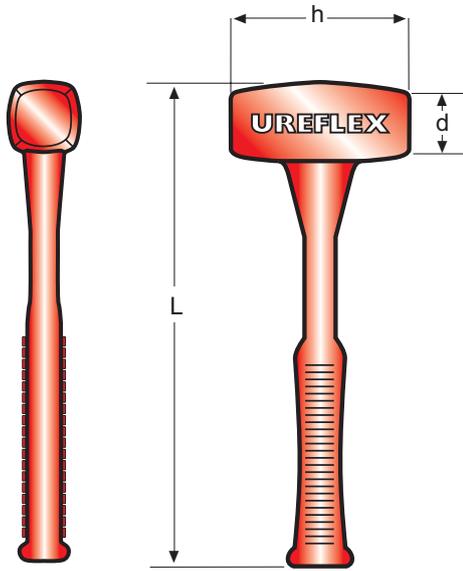
> STANDARD PRODUCTS

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STANDARD PRODUCTS

URETHANE HAMMERS



Ref.	d (mm)	h (mm)	L (mm)	Weight (g)	UP Euros
O N	25	80	250	170	
QN 1	30	100	300	500	
QN 2	40	130	340	700	
QN 3	50	150	400	1000	
QSR 1	30	100	300	680	
QSR 2	40	130	340	1000	
QSR 3	50	150	400	1500	

SR = WITHOUT REBOUND

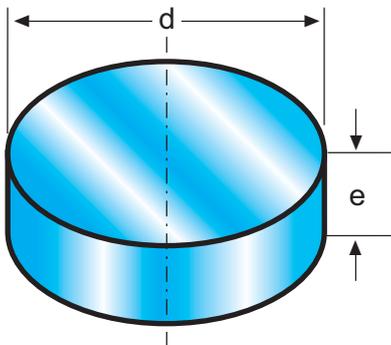
ON SERIE = 75 SHORE D

QSR SERIE = 60 SHORE D

QN SERIE = 75 SHORE D

OTHER HARDNESS RATINGS AVAILABLE ON REQUEST

DISCS



(CHAMFER 3 x 3 AT 45°)

TOLERANCES

d : ± 0,6 %
 e ≤ 35 mm : ± 0.2 %
 e > 35 mm : ± 0.6 %

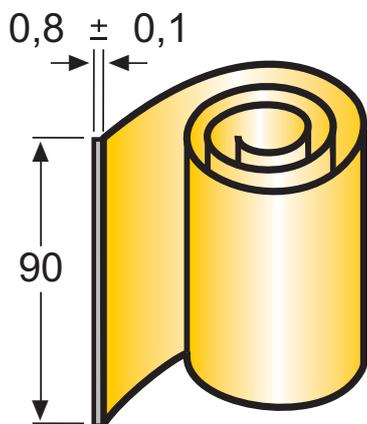
d	e	UP
		Euros
50	10	
50	20	
50	30	
50	40	
50	50	
100	10	
100	20	
100	30	
100	40	

d	e	UP
		Euros
100	50	
150	10	
150	20	
150	30	
150	40	
150	50	
200	10	
200	20	
200	30	

d	e	UP
		Euros
200	40	
200	50	
300	10	
300	20	
300	30	
300	40	
300	50	

STANDARD PRODUCTS

CONTINUOUS STRIPS

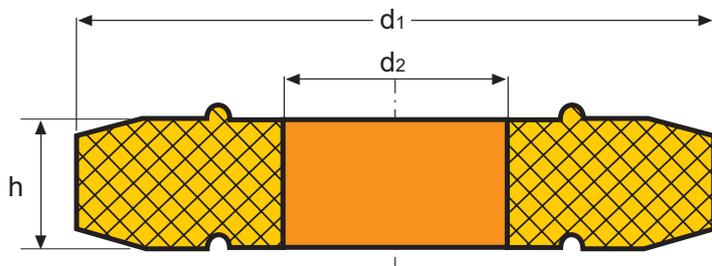


MAX. LENGTH OF ROLLS = 25 METRES

HARDNESS 85 SHORE A \pm SHA

UP meter	1 m	25 m	100 m
Euros			

SPRING WASHERS



TOLERANCES

$d_1, d_2, h : JS_{15}$

STANDARD HARDNESS RATINGS (SHA): 80, 90, 95 – U AND E SERIES

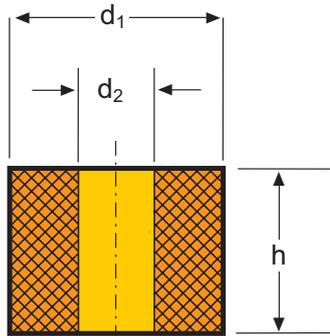
OTHER HARDNESS RATINGS: CONSULT US

Ref	d1	d2	h	Price	Min. quant.
				Euros	
206	20	9	6		50
256	25	9	6		40
286	28	13.5	6		40
306	30	13.5	6		40
328	32	13.5	8		40
358	35	14	8		40
408	40	14	8		40
458	45	17.5	8		32

Ref	d1	d2	h	Price	Min. quant.
				Euros	
5010	50	17.5	10		32
5510	55	17.5	10		32
6310	63	17.5	10		32
7012	70	21.5	12		20
8012	80	21.5	12		20
10012	100	21.5	12		20
12514	125	27	14		20

STANDARD PRODUCTS

NORMALISED SPRINGS UREFLEX



TOLERANCES	
$d_1, d_2 < 35$	± 0.2 mm
$d_1, d_2 > 35$	± 0.6 %
height	± 0.2 mm

STANDARD HARDNESS RATINGS (SHA): 80, 90, 95 – U AND E SERIES
 OTHER HARDNESS RATINGS: CONSULT US

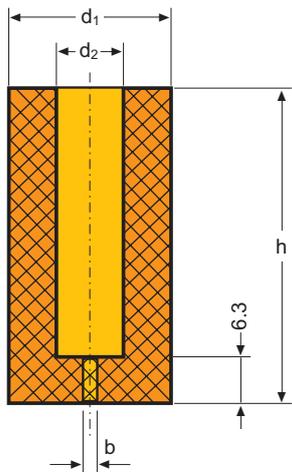
d_1	d_2	h	Ref.	Min. quant.
16	6,5	12	1612	20
		16	1616	
		20	1620	
		25	1625	
		32	1632	
20	8,5	12	2012	
		16	2016	
		20	2020	
		25	2025	
		32	2032	
25	10,5	16	2516	10
		20	2520	
		25	2525	
		32	2532	
		40	2540	
32	13,5	16	3216	
		20	3220	
		25	3225	
		32	3232	
		40	3240	
		50	3250	
		63	3263	

d_1	d_2	h	Ref.	Min. quant.
40	13,5	20	4020	10
		25	4025	
		32	4032	
		40	4040	
		50	4050	
		63	4063	
		80	4080	
50	17	25	5025	5
		32	5032	
		40	5040	
		50	5050	
		63	5063	
63	17	80	5080	
		100	50100	
		32	6332	
		40	6340	
		50	6350	
		63	6363	
		80	6380	
		100	63100	
		125	63125	

d_1	d_2	h	Ref.	Min. quant.
80	21	32	8032	5
		40	8040	
		50	8050	
		63	8063	
		80	8080	
		100	80100	
		125	80125	
100	21	160	80160	
		32	10032	
		40	10040	
		50	10050	
		63	10063	
125	27	80	10080	
		100	100100	
		125	100125	
		160	100160	
		32	12532	
		40	12540	
		50	12550	
		63	12563	
		80	12580	
		100	125100	
		125	125125	
		160	125160	

STANDARD PRODUCTS

EJECTORS



TOLERANCES	
d1, d2 ≤ 35 mm	: ± 0.2 %
d1, d2 > 35 mm	: ± 0.6 %
height	: ± 0.2 mm

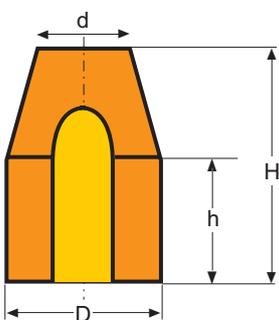
STANDARD HARDNESS RATINGS (SHA): 90, 95 – U AND E SERIES

d1	d2	h	b
18	5	35	1.6
		45	
		56	
19	6	35	
		45	
		56	
		65	
21	8	35	
		45	
		56	
		75	
23	10	38	
		45	
		56	
		65	
26	13	35	3
		45	
		56	
		65	
		75	

#d1	d2	h	b
30	16	35	3
		45	
		56	
38	20	65	
		75	
		38	
		47	
50	25	56	
		65	
		75	
		38	
63	32	56	
65	35	56	
80	50	56	

FOR DIAMETERS OF LESS THAN 26 MM, MINIMUM ORDER: 20 PARTS.
 FOR DIAMETERS OF MORE THAN 26 MM, MINIMUM ORDER: 10 PARTS.

SLEEVE EJECTORS



BULK PURCHASE DISCOUNTS	
100 - 250 PARTS.....	25 %
251 - 500 PARTS.....	35 %
> 500 PARTS.....	50 %

TOLERANCES	
D, d, H, h	: JS15

STANDARD HARDNESS RATINGS (SHA): 90, 95 – U AND E SERIES

D	H	d	h	Min. quant.
6	10	3	5	50
10	16	5	8	50
16	25	8	13	30
24	25	18	14	25
32	32	24		25
40	40	30		25

STANDARD PRODUCTS

FOLDING CUSHIONS

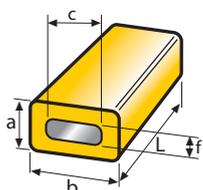
TOLERANCES

a and b : ± 0.3 %
length : ± 5 mm

STANDARD HARDNESS RATINGS: 80, 90, 95 SHORE A – U AND E SERIES
OTHER HARDNESS RATINGS: CONSULT US

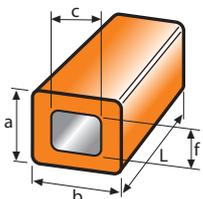
L = 250 mm		L = 1000 mm	
U.P. Solid Euros	U.P. Hollow Euros	U.P. Solid Euros	U.P. Hollow Euros

RECTANGULAR SECTION



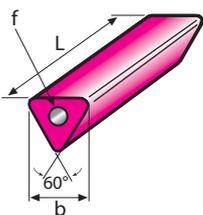
Ref.	a x b	c	f				
R 5075	50 x 75	43	18				
R 5010	50 x 100	60	18				
R 7510	75 x 100	58	33				
R 7512	75 x 125	82	33				
R 7515	75 x 150	97	32				
R 1015	100 x 150	100	50				
R 1020	100 x 200	135	50				
R 1023	100 x 230	170	52				
R 1227	125 x 275	185	65				

SQUARE SECTION



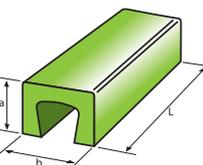
Ref.	a x b	Ø c x f				
C 25	25	Ø 10				
C 50	50	Ø 25				
C 75	75	38 x 38				
C 100	100	55 x 55				
C 125	125	68 x 68				

EQUILATERAL TRIANGULAR SECTION



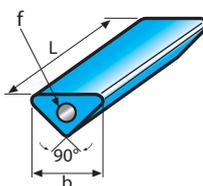
Ref.	b	Ø f				
E 35	35	8				
E 50	50	10				
E 80	80	20				

HOLLOW SQUARE SECTION



Ref.	a x b	L = 250 mm - Euros	L = 500 mm - Euros
CE 50	50 x 50		
RE 5075	50 x 75		
RE 7510	75 x 100		
RE 1020	100 x 200		

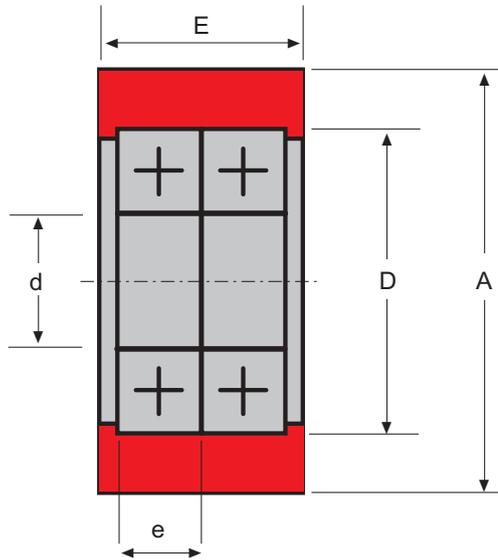
ISOSCELES TRIANGULAR SECTION



Ref.	b	Ø f	L = 250 mm		L = 500 mm		L = 1000 mm
			UP Solid Euros	UP Hollow Euros	UP Solid Euros	UP Hollow Euros	UP Solid Euros
T20	20	5					
T35	32	8					
T50	50	10					
T80	80	15					

> FITTINGS

>>>>>>>> URETHANE COATED BEARINGS



TOLERANCES
E, A : JS15

STANDARD HARDNESS RATINGS: 90 AND 95 – U AND E SERIES

CONSULT OUR QUOTATIONS DEPARTMENT ABOUT THE OPTION TO PRODUCE FITTINGS WITH A HARDNESS RATING RANGING FROM 30SHA TO 99SHA.

BULK PURCHASE DISCOUNTS FOR QUANTITIES OF MORE THAN 100: CONSULT US.

MINIMUM MANUFACTURING QUANTITY PER REFERENCE: 20

Ref.	Dimensions				
	Bearing			Wheel	
	d	D	e	A	E
2.40.6000	10	26	8	40	20
2.40.6001	12	28	8	40	20
2.45.6002	15	32	9	45	22
2.50.6003	17	35	10	50	24
2.55.6004	20	42	12	55	28
2.65.6005	25	47	12	65	28
2.75.6006	30	55	13	75	30
2.45.6200	10	30	9	45	22
2.45.6201	12	32	10	45	24
2.50.6202	15	35	11	50	26
2.55.6203	17	40	12	55	28
2.65.6204	20	47	14	65	32
2.70.6205	25	52	15	70	34
2.80.6206	30	62	16	80	36
2.50.6300	10	35	11	50	26
2.50.6301	12	37	12	50	28
2.55.6302	15	42	13	55	30
2.65.6303	17	47	14	65	32
2.70.6304	20	52	15	70	34
2.80.6305	25	62	17	80	38
2.90.6306	30	72	19	90	42

Quantities: 20-100
Unit price (exc. tax)
13.78
13.78
14.19
14.38
14.38
17.47
18.30
13.97
13.97
14.19
14.60
14.79
17.67
18.49
14.60
15.01
14.79
16.03
16.24
19.72
21.37



> SEMI-FINISHED PRODUCTS

PLATES PAGE 12

PLATES WITH METAL INSERTS PAGE 13

“MASS USED” R-SERIES PLATESPAGE 14

BARS..... PAGE 15

CYLINDERS PAGE 16

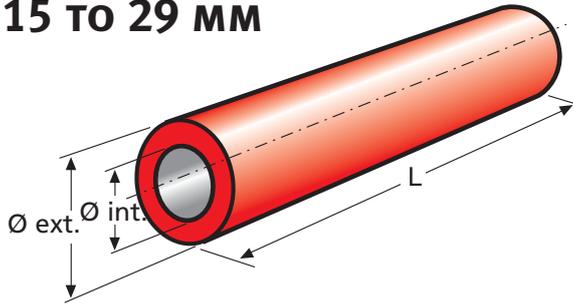
TUBES PAGE 17 TO 40



> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 15 TO 29 MM



TOLERANCES

\emptyset EXT. ≤ 35 mm : ± 0.2 mm
 \emptyset EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
15	6		
	6.5		
16	6		
	6.5		
17	6		
	6.5		
	7		
18	6		
	6.5		
	7		
	7.5		
	8		
19	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
20	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	21	6	
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			
10.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
22	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
23	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
24	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
24	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
25	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
26	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		

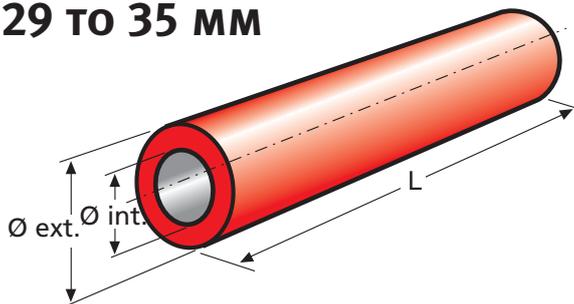
Ø ext.	Ø int.	L 250	L 500	
		Euros	Euros	
26	12			
	12.5			
	13			
	13.5			
	14			
	14.5			
	15			
	15.5			
	16			
	27	6		
		6.5		
7				
7.5				
8				
8.5				
9				
9.5				
10				
10.5				
11				
11.5				
12				
12.5				
13				
13.5				
14				
14.5				
15				
15.5				
16				
16.5				
17				
17.5				
18				
28	6			
	6.5			
	7			
	7.5			
	8			
	8.5			
	9			
	9.5			
	10			
	10.5			
	11			
	11.5			
	12			
	12.5			
	13			
13.5				
14				
14.5				
15				

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
28	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
18			
29	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
13.5			
14			
14.5			
15			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 29 TO 35 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
29	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.8		
	19		
30	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
16			
16.5			
17			
17.5			
18			
18.5			
19			
19.5			
20			
31	6		

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
31	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
16.5			
17			
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
32	6		
	6.5		
	7		
	7.5		
	8		
8.5			
9			
9.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
32	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
33	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
12			

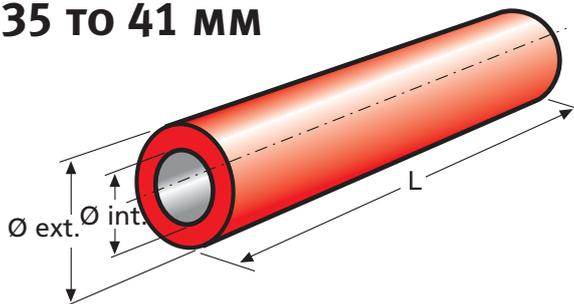
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
33	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	17		
	17.5		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
21			
21.5			
22			
22.5			
23			
34	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
11			
11.5			
12			
12.5			
13			
13.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
34	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
21			
21.5			
22			
22.5			
23			
23.5			
24			
35	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
11			
11.5			
12			
12.5			
13			
13.5			
14			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 35 TO 41 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
35	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
23.5			
24			
24.5			
25			
36	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
13			
13.5			
14			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
36	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
23			
23.5			
24			
24.5			
25			
25.5			
26			
38	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
11			
11.5			
12			
12.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
38	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
26.5			
27			
27.5			
28			
40	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
10			

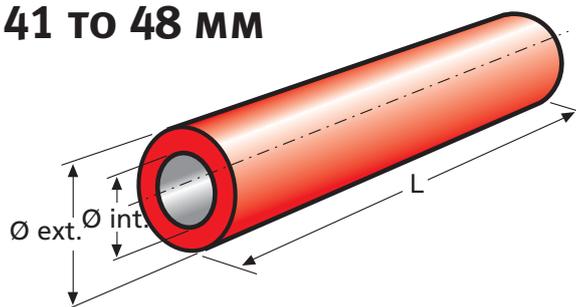
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
40	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
26.5			
27			
27.5			
28			
28.5			
29			
29.5			
30			
41	6		
	6.5		

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
41	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
15.5			
16			
16.5			
17			
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 41 TO 48 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
41	26		
	27		
	28		
	29		
	30		
	31		
43	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
16			
16.5			
17			
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
43	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	45	6	
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			
10.5			
11			
11.5			
12			
12.5			
13			
13.5			
14			
14.5			
15			
15.5			
16			
16.5			
17			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
45	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
28			
29			
30			
31			
32			
33			
34			
35			
46	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
9.5			
10			
10.5			
11			

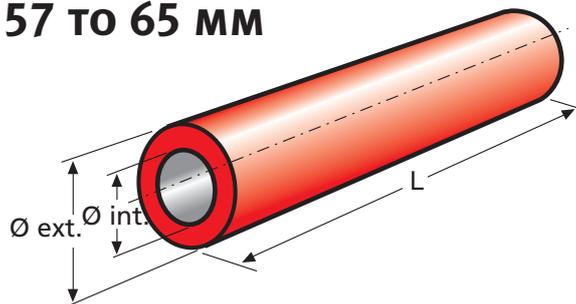
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
46	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
26.5			
27			
27.5			
28			
28.5			
29			
29.5			
30			
31			
32			
33			
34			
35			
36			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
48	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
14.5			
15			
15.5			
16			
16.5			
17			
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 57 TO 65 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
57	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
27			
28			
29			

Ø ext.	Ø int.	L 250	L 500	
		Euros	Euros	
57	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			
	38			
	40			
	41			
	42			
	43			
	44			
	45			
	46			
	47			
	60	6		
		6.5		
7				
7.5				
8				
8.5				
9				
9.5				
10				
10.5				
11				
11.5				
12				
12.5				
13				
13.5				
14				
14.5				
15				
15.5				
16				

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
60	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
32			
33			
34			
35			
36			
37			
38			
40			
41			
42			
43			
44			
45			

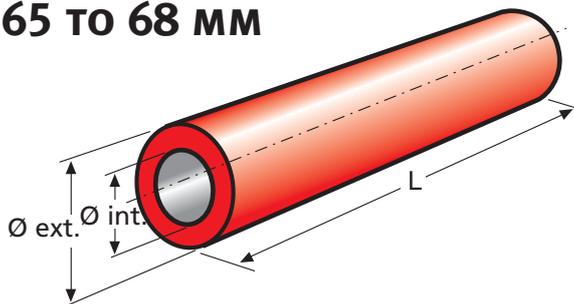
Ø ext.	Ø int.	L 250	L 500	
		Euros	Euros	
60	46			
	47			
	48			
	50			
	63	6		
		6.5		
7				
7.5				
8				
8.5				
9				
9.5				
10				
10.5				
11				
11.5				
12				
12.5				
13				
13.5				
14				
14.5				
15				
15.5				
16				
16.5				
17				
17.5				
18				
18.5				
19				
19.5				
20				
20.5				
21				
21.5				
22				
22.5				

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
63	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
41			
42			
43			
44			
45			
46			
47			
48			
50			
65	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 65 TO 68 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
65	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
27			
28			
29			
30			
31			
32			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
65	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	66	6	
6.5			
7			
7.5			
8			
8.5			
9			
9.5			
10			
10.5			
11			
11.5			
12			
12.5			
13			
13.5			
14			
14.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
66	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
40			
41			
42			

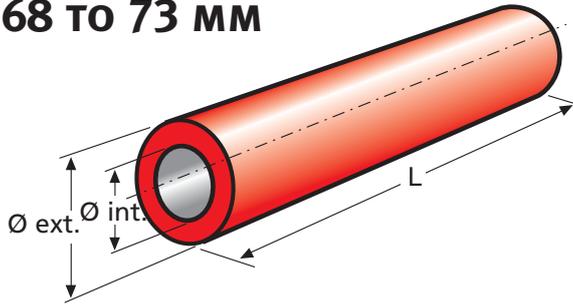
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
66	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
	54		
68	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
15			
15.5			
16			
16.5			
17			
17.5			
18			
18.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
68	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
32			
33			
34			
35			
36			
37			
38			
40			
41			
42			
43			
44			
45			
46			
47			
48			
50			
51			

> SEMI-FINISHED PRODUCTS

>>>>>>>>> TUBES

> DIAMETERS 68 TO 73 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
68	52		
	54		
	55		
	56		
	57		
	58		
70	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
16			
16.5			
17			
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
70	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
38			
40			
41			
42			
43			
44			
45			
46			
47			
48			
50			
51			
52			
54			
55			
56			
57			
58			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
70	60		
	6		
71	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
16.5			
17			
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			

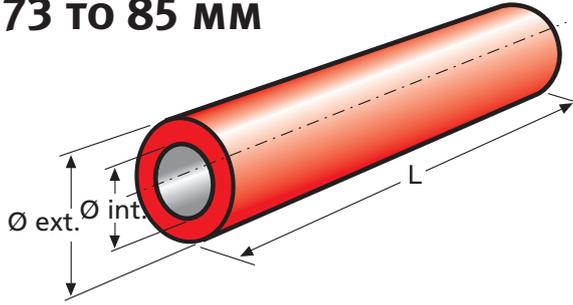
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
71	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
45			
46			
47			
48			
50			
51			
52			
54			
55			
56			
57			
58			
60			
61			
73	6		
	6.5		
	7		
	7.5		

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
73	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
27			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 73 TO 85 MM



TOLERANCES

\emptyset EXT. ≤ 35 mm : ± 0.2 mm
 \emptyset EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
73	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
54			
55			
56			
57			
58			
60			
61			
62			
63			
75	6		
	6.5		
	7		
	7.5		
	8		
	8.5		

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
75	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
27			
28			
29			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
75	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
	54		
	55		
56			
57			
58			
60			
61			
62			
63			
65			
80	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		

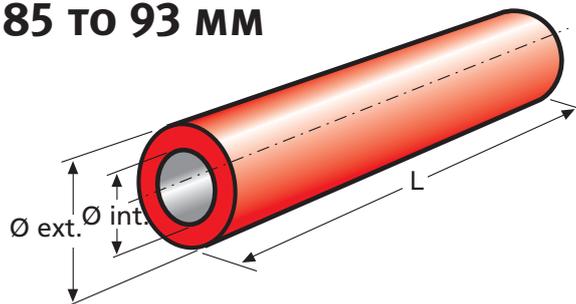
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
80	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
27			
28			
29			
30			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
80	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
	54		
	55		
	56		
57			
58			
60			
61			
62			
63			
65			
68			
70			
85	6		
	6.5		
	7		
	7.5		
	8		
	8.5		

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 85 TO 93 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
85	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
27			
28			
29			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
85	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
52			
54			
55			
56			
57			
58			
60			
61			
62			
63			
65			
68			
70			
74			
75			
90	6		
	6.5		
	7		

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
90	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
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22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			

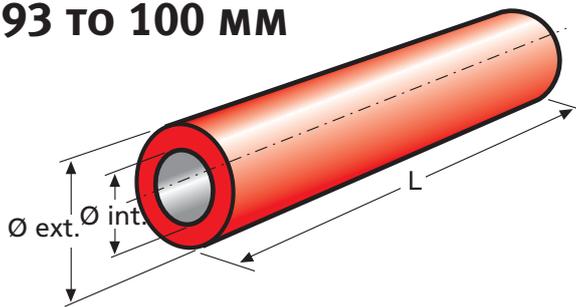
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
90	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
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	45		
	46		
	47		
48			
50			
51			
52			
54			
55			
56			
57			
58			
60			
61			
62			
63			
65			
68			
70			
74			
75			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
90	76		
	78		
	79		
	80		
93	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
13.5			
14			
14.5			
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15.5			
16			
16.5			
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17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 93 TO 100 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
93	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
41			
42			
43			
44			
45			
46			
47			
48			
50			
51			
52			
54			
55			
56			
57			
58			
60			
61			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
93	62		
	63		
	65		
	68		
	70		
	74		
	75		
	76		
	78		
	79		
	80		
83			
95	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
13.5			
14			
14.5			
15			
15.5			
16			
16.5			
17			
17.5			
18			
18.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
95	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
32			
33			
34			
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42			
43			
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46			
47			
48			
50			
51			

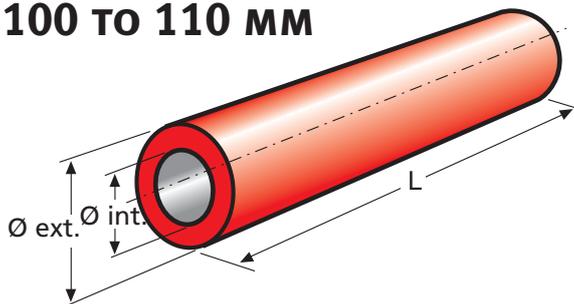
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
95	52		
	54		
	55		
	56		
	57		
	58		
	60		
	61		
	62		
	63		
	65		
	68		
	70		
	74		
	75		
76			
78			
79			
80			
83			
85			
100	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
11			
11.5			
12			
12.5			
13			
13.5			
14			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
100	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
23			
23.5			
24			
24.5			
25			
25.5			
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35			
36			
37			
38			
40			
41			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 100 TO 110 MM



TOLÉRANCES
 Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
100	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
	54		
	55		
	56		
	57		
	58		
	60		
	61		
	62		
	63		
	65		
68			
70			
74			
75			
76			
78			
79			
80			
83			
85			
89			
90			
106	6		
	6.5		
	7		
	7.5		
	8		
8.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
106	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			
25			
25.5			
26			
27			
28			
29			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
106	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
52			
54			
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56			
57			
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60			
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62			
63			
65			
68			
70			
74			
75			
76			
78			
79			

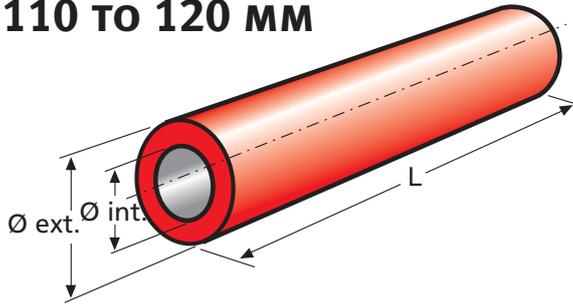
Ø ext.	Ø int.	L 250	L 500	
		Euros	Euros	
106	80			
	83			
	85			
	89			
	90			
	91			
	95			
	96			
	110	6		
		6.5		
		7		
		7.5		
		8		
		8.5		
9				
9.5				
10				
10.5				
11				
11.5				
12				
12.5				
13				
13.5				
14				
14.5				
15				
15.5				
16				
16.5				
17				
17.5				
18				
18.5				
19				
19.5				
20				
20.5				

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
110	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
32			
33			
34			
35			
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51			
52			
54			
55			
56			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 110 TO 120 MM



TOLÉRANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
110	57		
	58		
	60		
	61		
	62		
	63		
	65		
	68		
	70		
	74		
	75		
	76		
	78		
	79		
	80		
	83		
	85		
	89		
90			
91			
95			
96			
100			
115	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
12.5			
13			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
115	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
25.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
115	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
	54		
	55		
	56		
	57		
	58		
	60		
	61		
	62		
	63		
	65		
	68		
	70		
74			
75			
76			
78			
79			
80			
83			
85			
89			
90			
91			
95			
96			
100			

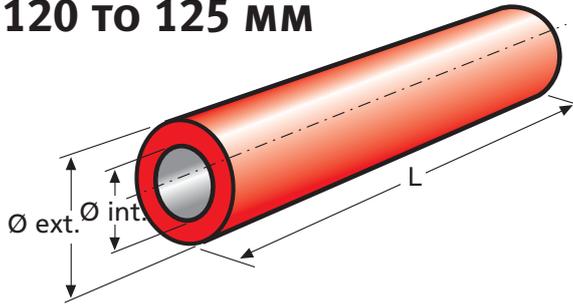
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
115	105		
	120		
120	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
	17.5		
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
120	24.5		
	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
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60			
61			
62			
63			
65			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 120 TO 125 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
120	68		
	70		
	74		
	75		
	76		
	78		
	79		
	80		
	83		
	85		
	89		
	90		
	91		
	95		
	96		
100			
105			
108			
110			
122	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
13.5			
14			
14.5			
15			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
122	15.5		
	16		
	16.5		
	17		
	17.5		
	18		
	18.5		
	19		
	19.5		
	20		
	20.5		
	21		
	21.5		
	22		
	22.5		
	23		
	23.5		
	24		
	24.5		
	25		
	25.5		
	26		
	27		
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
40			
41			
42			
43			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
122	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
	54		
	55		
	56		
	57		
	58		
	60		
	61		
	62		
	63		
	65		
	68		
	70		
	74		
	75		
	76		
78			
79			
80			
83			
85			
89			
90			
91			
95			
96			
100			
105			
108			
110			
112			

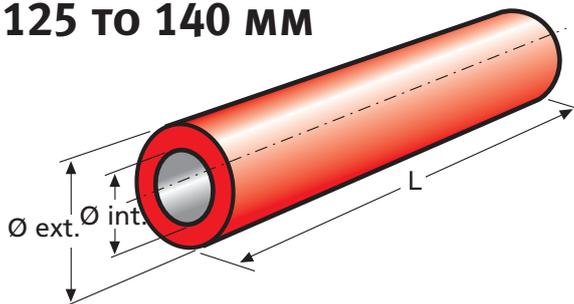
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
125	6		
	6.5		
	7		
	7.5		
	8		
	8.5		
	9		
	9.5		
	10		
	10.5		
	11		
	11.5		
	12		
	12.5		
	13		
	13.5		
	14		
	14.5		
	15		
	15.5		
	16		
	16.5		
	17		
17.5			
18			
18.5			
19			
19.5			
20			
20.5			
21			
21.5			
22			
22.5			
23			
23.5			
24			
24.5			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
125	25		
	25.5		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
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48			
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52			
54			
55			
56			
57			
58			
60			
61			
62			
63			
65			
68			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 125 TO 140 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
125	70		
	74		
	75		
	76		
	78		
	79		
	80		
	83		
	85		
	89		
	90		
	91		
	95		
	96		
	100		
	105		
108			
110			
112			
115			
129	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
44			
45			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
129	46		
	47		
	48		
	50		
	51		
	52		
	54		
	55		
	56		
	57		
	58		
	60		
	61		
	62		
	63		
	65		
	68		
	70		
	74		
	75		
	76		
	78		
79			
80			
83			
85			
89			
90			
91			
95			
96			
100			
105			
108			
110			
112			
115			
130	27		

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
130	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
52			
54			
55			
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57			
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60			
61			
62			
63			
65			
68			
70			
74			
75			
76			

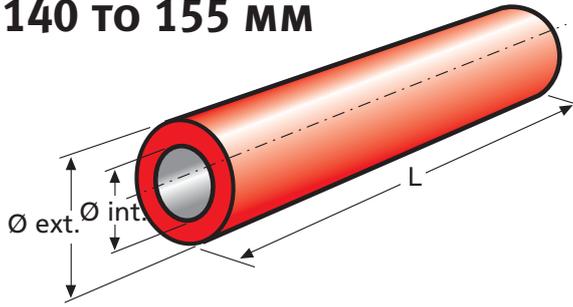
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
130	78		
	79		
	80		
	83		
	85		
	89		
	90		
	91		
	95		
	96		
	100		
	105		
	108		
	110		
	112		
	115		
120			
135	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
40			
41			
42			
43			
44			
45			
46			
47			
48			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
135	50		
	51		
	52		
	54		
	55		
	56		
	57		
	58		
	60		
	61		
	62		
	63		
	65		
	68		
	70		
	74		
	75		
	76		
	78		
	79		
	80		
	83		
85			
89			
90			
91			
95			
96			
100			
105			
108			
110			
112			
115			
120			
127			
140	27		
	28		

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 140 TO 155 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
140	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	50		
	51		
	52		
	54		
	55		
	56		
	57		
	58		
	60		
61			
62			
63			
65			
68			
70			
74			
75			
76			
78			

Ø ext.	Ø int.	L 250	L 500	
		Euros	Euros	
140	79			
	80			
	83			
	85			
	89			
	90			
	91			
	95			
	96			
	100			
	105			
	108			
	110			
	112			
	115			
	120			
	127			
	130			
	145	27		
		28		
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
40				
41				
42				
43				
44				
47				

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
145	48		
	50		
	51		
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127			
130			

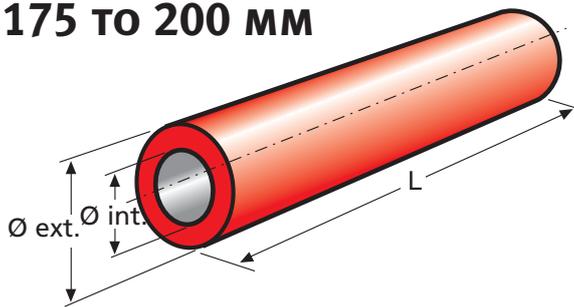
Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
145	132		
	135		
150	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	40		
	41		
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	57		
58			
60			
61			
62			
63			
65			
68			
70			

Ø ext.	Ø int.	L 250	L 500
		Euros	Euros
150	74		
	75		
	76		
	78		
	79		
	80		
	83		
	85		
	89		
	90		
	91		
	95		
	96		
	100		
	105		
	108		
	110		
	112		
	115		
	120		
127			
130			
132			
135			
139			
140			
155	27		
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37			
38			

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 175 TO 200 MM



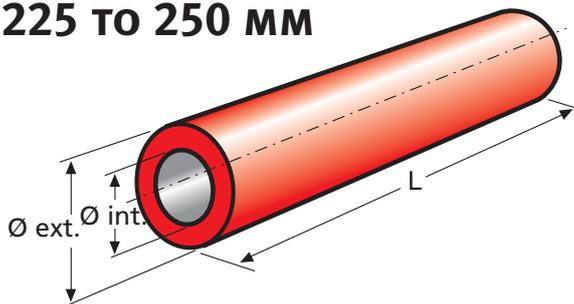
TOLERANCES
 Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250 Euros	Ø ext.	Ø int.	L 250 Euros	Ø ext.	Ø int.	L 250 Euros	Ø ext.	Ø int.	L 250 Euros	Ø ext.	Ø int.	L 250 Euros	Ø ext.	Ø int.	L 250 Euros
175	35		175	91		180	44		180	115		190	52		190	140	
	36			95			45			120			54			145	
	37			96			46			127			55			147	
	38			100			47			130			56			150	
	40			105			48			132			57			160	
	41			108			50			135			58			162	
	42			110			51			139			60			165	
	43			112			52			140			61			170	
	44			115			54			145			62			180	
	45			120			55			147			63		200	27	
	46			127			56			150			65			28	
	47			130			57			160			68			29	
	48			132			58			162			70			30	
	50			135			60			165			74			31	
	51			139			61			170			75			32	
	52			140			62		190	27			76			33	
	54			145			63			28			78			34	
	55			147			65			29			79			35	
	56			150			68			30			80			36	
	57			160			70			31			83			37	
	58			162			74			32			85			38	
	60			165			75			33			89			40	
	61		180	27			76			34			90			41	
	62			28			78			35			91			42	
	63			29			79			36			95			43	
	65			30			80			37			96			44	
	68			31			83			38			100			45	
	70			32			85			40			105			46	
	74			33			89			41			108			47	
	75			34			90			42			110			48	
	76			35			91			43			112			50	
	78			36			95			44			115			51	
	79			37			96			45			120			52	
	80			38			100			46			127			54	
	83			40			105			47			130			55	
	85			41			108			48			132			56	
	89			42			110			50			135			57	
	90			43			112			51			139			58	

> SEMI-FINISHED PRODUCTS

>>>>>>>>> TUBES

> DIAMETERS 225 TO 250 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm

Ø EXT. > 35 mm : ± 0.6 %

L ± 5 mm

Ø ext.	Ø int.	L 250
		Euros
225	76	
	78	
	79	
	80	
	83	
	85	
	89	
	90	
	91	
	95	
	96	
	100	
	105	
	108	
	110	
	112	
	115	
	120	
	127	
	130	
	132	
	135	
	139	
	140	
	145	
	147	
	150	
	160	
	162	
	165	
	170	
	180	
	185	
	190	
	193	
	202	
	212	
	215	

Ø ext.	Ø int.	L 250
		Euros
230	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	
	36	
	37	
	38	
	40	
	41	
	42	
	43	
	44	
	45	
	46	
	47	
	48	
	50	
	51	
	52	
	54	
	55	
	56	
	57	
	58	
	60	
	61	
	62	
	63	
	65	
	68	
	70	
	74	
	75	

Ø ext.	Ø int.	L 250
		Euros
230	76	
	78	
	79	
	80	
	83	
	85	
	89	
	90	
	91	
	95	
	96	
	100	
	105	
	108	
	110	
	112	
	115	
	120	
	127	
	130	
	132	
	135	
	139	
	140	
	145	
	147	
	150	
	160	
	162	
	165	
	170	
	180	
	185	
	190	
	193	
	202	
	212	
	215	

Ø ext.	Ø int.	L 250
		Euros
230	220	
240	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	
	36	
	37	
	38	
	40	
	41	
	42	
	43	
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	60	
	61	
	62	
	63	
	65	
	68	
	70	
	74	

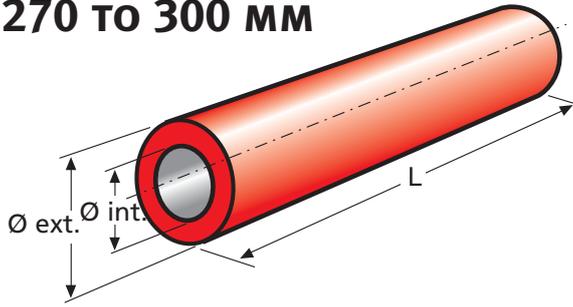
Ø ext.	Ø int.	L 250
		Euros
240	75	
	76	
	78	
	79	
	80	
	83	
	85	
	89	
	90	
	91	
	95	
	96	
	100	
	105	
	108	
	110	
	112	
	115	
	120	
	127	
	130	
	132	
	135	
	139	
	140	
	145	
	147	
	150	
	160	
	162	
	165	
	170	
	180	
	185	
	190	
	193	
	202	
	212	

Ø ext.	Ø int.	L 250
		Euros
240	215	
	220	
250	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	
	36	
	37	
	38	
	40	
	41	
	42	
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	62	
	63	
	65	
	68	
	70	

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 270 TO 300 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250
		Euros
270	65	
	68	
	70	
	74	
	75	
	76	
	78	
	79	
	80	
	83	
	85	
	89	
	90	
	91	
	95	
	96	
	100	
	105	
	108	
	110	
112		
115		
120		
127		
130		
132		
135		
139		
140		
145		
147		
150		
160		
162		
165		
170		
180		
185		

Ø ext.	Ø int.	L 250	
		Euros	
270	190		
	193		
	202		
	212		
	215		
	220		
	280	27	
		28	
		29	
		30	
		31	
		32	
33			
34			
35			
36			
37			
38			
40			
41			
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43			
44			
45			
46			
47			
48			
50			
51			
52			
54			
55			
56			
57			
58			
60			
61			
62			

Ø ext.	Ø int.	L 250
		Euros
280	63	
	65	
	68	
	70	
	74	
	75	
	76	
	78	
	79	
	80	
	83	
	85	
	89	
	90	
	91	
	95	
	96	
	100	
	105	
	108	
110		
112		
115		
120		
127		
130		
132		
135		
139		
140		
145		
147		
150		
160		
162		
165		
170		
180		

Ø ext.	Ø int.	L 250	
		Euros	
280	185		
	190		
	193		
	202		
	212		
	215		
	220		
	265		
	285	27	
		28	
		29	
		30	
31			
32			
33			
34			
35			
36			
37			
38			
40			
41			
42			
43			
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56			
57			
58			
60			

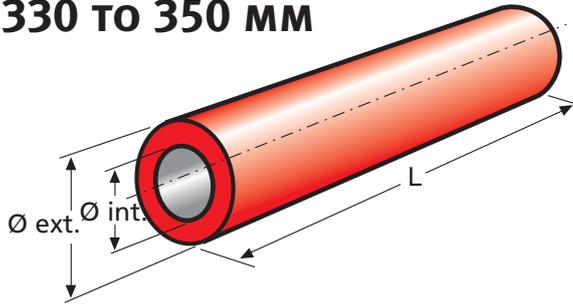
Ø ext.	Ø int.	L 250
		Euros
285	61	
	62	
	63	
	65	
	68	
	70	
	74	
	75	
	76	
	78	
	79	
	80	
	83	
	85	
	89	
	90	
	91	
	95	
96		
100		
105		
108		
110		
112		
115		
120		
127		
130		
132		
135		
139		
140		
145		
147		
150		
160		
162		
165		

Ø ext.	Ø int.	L 250
		Euros
285	170	
	180	
	185	
	190	
	193	
	202	
	212	
	215	
	220	
	265	
300	27	
	28	
	29	
	30	
	31	
	32	
	33	
	34	
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56		

> SEMI-FINISHED PRODUCTS

>>>>>>>>>> TUBES

> DIAMETERS 330 TO 350 MM



TOLERANCES

Ø EXT. ≤ 35 mm : ± 0.2 mm
 Ø EXT. > 35 mm : ± 0.6 %
 L ± 5 mm

Ø ext.	Ø int.	L 250
		Euros
330	38	
	40	
	41	
	42	
	43	
	44	
	45	
	46	
	47	
	48	
	50	
	51	
	52	
	54	
	55	
	56	
	57	
	58	
	60	
	61	
62		
63		
65		
68		
70		
74		
75		
76		
78		
79		
80		
83		
85		
89		
90		
91		
95		
96		

Ø ext.	Ø int.	L 250
		Euros
330	100	
	105	
	108	
	110	
	112	
	115	
	120	
	127	
	130	
	132	
	135	
	139	
	140	
	145	
	147	
	150	
	160	
	162	
	165	
	170	
180		
185		
190		
193		
202		
212		
215		
220		
265		
275		
278		
280		
310		
350	27	
	28	
	29	
	30	
	31	

Ø ext.	Ø int.	L 250
		Euros
350	32	
	33	
	34	
	35	
	36	
	37	
	38	
	40	
	41	
	42	
	43	
	44	
	45	
	46	
	47	
	48	
	50	
	51	
	52	
	54	
55		
56		
57		
58		
60		
61		
62		
63		
65		
68		
70		
74		
75		
76		
78		
79		
80		
83		

Ø ext.	Ø int.	L 250
		Euros
350	85	
	89	
	90	
	91	
	95	
	96	
	100	
	105	
	108	
	110	
	112	
	115	
	120	
	127	
	130	
	132	
	135	
	139	
	140	
	145	
147		
150		
160		
162		
165		
170		
180		
185		
190		
193		
202		
212		
215		
220		
265		
275		
278		
280		

Ø ext.	Ø int.	L 250
		Euros
350	310	

