

Diameters (mm) O.D. x I.D.		Tolerances (1) on the diameters (mm) O.D. I.D.		Weights (2) - (kg/m)			
				natural 40200007	black 40200107		
20 x 10	10	+ 0.4 + 1.1	- 0.4 - 1.1	●	0.388	⊙	0.388
	12			⊙	0.342	⊙	0.342
	15			⊙	0.256	⊙	0.256
22 x 10	10			⊙	0.486	⊙	0.486
	16			⊙	0.320	⊙	0.320
	25 x 12			12	●	0.605	●
15				⊙	0.515	⊙	0.515
18				⊙	0.411	⊙	0.411
28 x 12	12			●	0.785	⊙	0.785
	15			⊙	0.700	⊙	0.700
	20			⊙	0.515	⊙	0.515
30 x 15	15			⊙	0.835	⊙	0.835
	20			●	0.645	⊙	0.645
	32 x 15			15	●	1.04	●
20				⊙	0.855	⊙	0.855
25		⊙	0.615	⊙	0.615		
36 x 17	17	●	1.29	●	1.29		
	20	⊙	1.17	⊙	1.17		
	25	●	0.930	⊙	0.930		
40 x 20	20	⊙	0.640	⊙	0.640		
	25	●	1.52	●	1.52		
	30	⊙	1.29	⊙	1.29		
45 x 20	20	●	0.990	⊙	0.990		
	25	⊙	2.02	⊙	2.02		
	30	⊙	1.78	⊙	1.78		
50 x 20	20	●	1.48	●	1.48		
	25	⊙	1.13	⊙	1.13		
	30	●	2.57	⊙	2.57		
55 x 25	25	⊙	2.33	⊙	2.33		
	30	●	2.03	●	2.03		
	40	●	1.27	●	1.27		
60 x 30	30	●	2.99	⊙	2.99		
	40	●	2.36	●	2.36		
	50	⊙	1.49	⊙	1.49		
65 x 40	40	●	3.37	●	3.37		
	50	●	2.62	●	2.62		
	50	●	1.64	⊙	1.64		
70 x 30	30	●	3.40	●	3.40		
	40	⊙	2.43	⊙	2.43		
70 x 40	40	+ 0.8 + 3	- 0.8 - 3	●	4.97	●	4.97
	50	+ 0.8 + 3	- 0.8 - 3	⊙	4.18	⊙	4.18
				●	3.21	⊙	3.21
Standard lengths (mm) 1000 3000				Tolerance on the lengths (%) 0 + 3			
Non-standard lengths (cut-to-size) :available on request and subject to special conditions							

(1) : tolerances according to DIN 16978, except for the tubes dia. 70 x 30 and 100 x 40 mm
 (2) : average production weights

PRODUCT CODE

- : **standard** item (generally available from stock at the Quadrant EPP Logistic Center; large quantities may have to be manufactured to order)
- ⊙ : **non-standard** item (generally not available from stock at the Quadrant EPP Logistic Center, but manufactured to order and subject to special conditions)

tubes

Diameters (mm)		Tolerances (1) on the diameters (mm)		Weights (2) - (kg/m)			
				natural	black		
O.D.	x I.D.	O.D.	I.D.	4020007	4020017		
75 x 50				⊙	4.05	⊙	4.05
				⊙	2.85	⊙	2.85
80 x 40		+ 0.8 + 3	- 0.8 - 3	●	5.91	⊙	5.91
				●	4.94	●	4.94
80 x 60				●	3.75	⊙	3.75
				●	8.08	⊙	8.08
90 x 40		+ 1.2 + 3.6	- 1.6 - 5	●	7.15	⊙	7.15
				⊙	5.98	⊙	5.98
90 x 60				●	4.60	⊙	4.60
				●	10.35	⊙	10.35
100 x 40		+ 1.2 + 3.6	- 1.6 - 6.5	●	9.33	●	9.33
				●	8.17	⊙	8.17
100 x 50		+ 1.2 + 3.6	- 1.6 - 5	●	5.17	⊙	5.17
				⊙	13.30	⊙	13.30
115 x 50				●	10.80	⊙	10.80
				⊙	7.39	⊙	7.39
125 x 50		+ 1.5 + 4.5	- 2 - 6.5	●	16.05	⊙	16.05
				●	11.95	⊙	11.95
140 x 70				●	8.11	⊙	8.11
				●	18.15	⊙	18.15
140 x 90				●	14.70	⊙	14.70
				⊙	22.80	⊙	22.80
150 x 60				●	19.85	⊙	19.85
				●	16.00	⊙	16.00
160 x 80		+ 1.8 + 5.4	- 2.2 - 7.5	⊙	23.75	⊙	23.75
				●	19.90	⊙	19.90
180 x 90				●	29.75	⊙	29.75
				●	23.00	⊙	23.00
200 x 100		+ 2 + 6	- 2.5 - 8.5	⊙	17.35	⊙	17.35
				●	36.75	⊙	36.75
225 x 150				⊙	32.05	⊙	32.05
				●	23.30	⊙	23.30
225 x 175		+ 3 + 9	- 3 - 12	⊙	19.95	⊙	19.95
				●	37.15	⊙	37.15
250 x 150				●	28.45	⊙	28.45
				●	50.85	⊙	50.85
280 x 150		+ 3 + 11	- 3.5 - 14	●	32.00	⊙	32.00
				●	69.60		-
320 x 150				●	50.90		-
				●	97.95		-
350 x 200				●	79.70		-
				●	102.3		-
300				●	46.55		-
				●			-
Standard lengths (mm)				Tolerance on the lengths (%)			
1000				0 + 3			
3000							

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- : not manufactured