NOVA ION 7

Table of contents

Line plan for ION 7

Line lengths for ION 7 - XXXS

Full Line lengths for ION 7 - XXXS

Line lengths for ION 7 - XXS

Full Line lengths for ION 7 - XXS

Line lengths for ION 7 - XS

Full Line lengths for ION 7 - XS

Line lengths for ION 7 - S

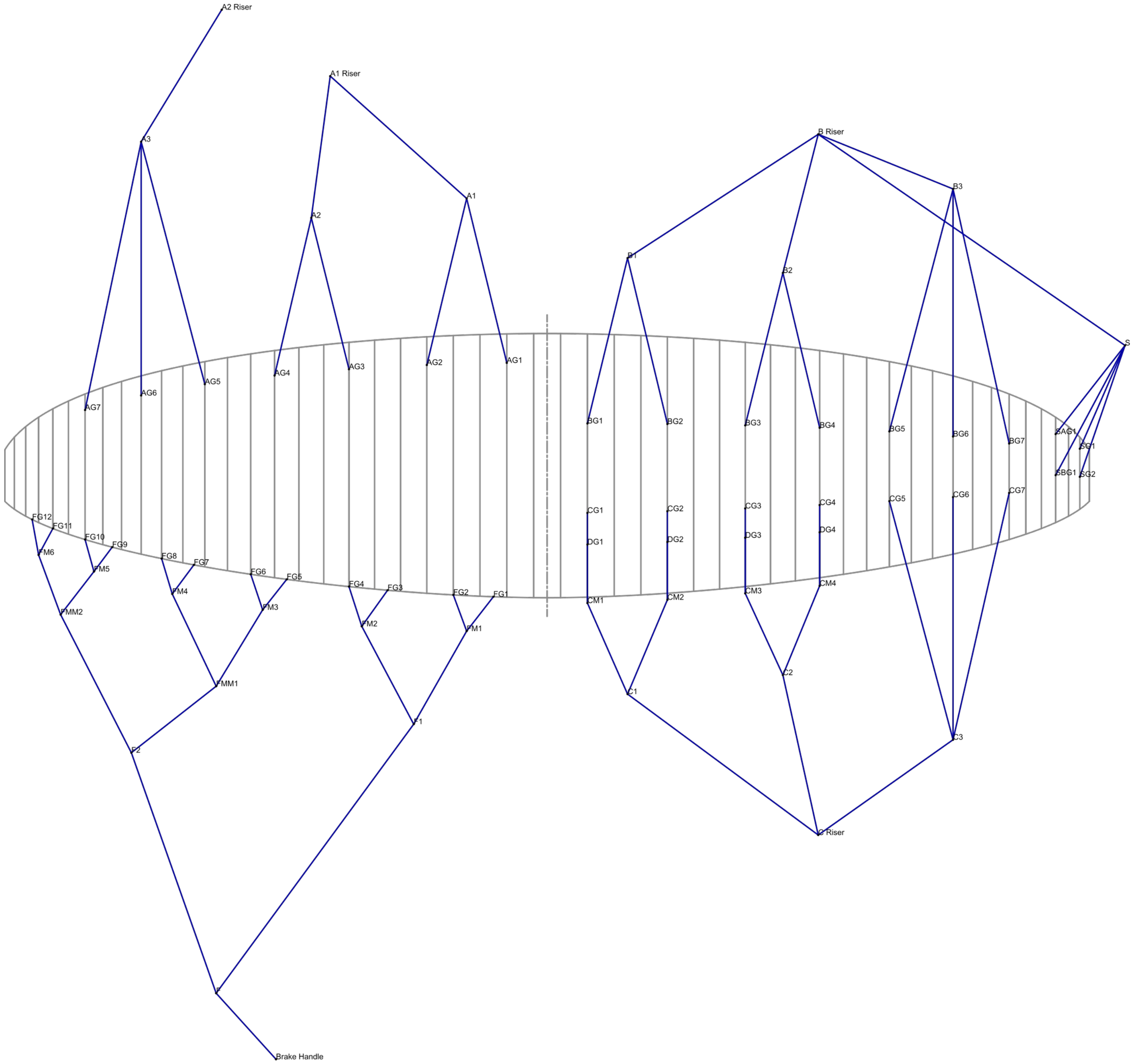
Full Line lengths for ION 7 - S

Line lengths for ION 7 - M

Full Line lengths for ION 7 - M

Line lengths for ION 7 - L

Full Line lengths for ION 7 - L


A2 Riser
A1 Riser
A3
A1
A2
B Riser
B3
B1
B2
S
AG1
AG2
AG3
AG4
AG5
AG6
AG7
BG1
BG2
BG3
BG4
BG5
BG6
BG7
SAG1
SG1
SBG1
SG2
FG12
FG11
FG10
FG9
FG8
FG7
FG6
FG5
FG4
FG3
FG2
FG1
CG1
CG2
CG3
CG4
CG5
CG6
CG7
DG1
DG2
DG3
DG4
CM1
CM2
CM3
CM4
FM6
FM5
FM4
FM3
FM2
FM1
FMM2
FMM1
F2
F1
F
C2
C1
C3
C Riser
Brake Handle

Line lengths for ION7 - XXXS

See also: docs.nova.eu for a searchable online database

Position	Material	Length (cm)
A1	PPSL191-RD	401.1
A2	PPSL191-RD	406.1
A3	PPSL191-RD	311.9
AG1	ED8kU-90DD-RD	140.7
AG2	ED8kU-90DD-RD	137.5
AG3	ED8kU-90DD-RD	129.8
AG4	ED8kU-90DD-RD	128.1
AG5	ED8kU-70DD-RD	215.9
AG6	ED8kU-70DD-RD	203.3
AG7	ED8kU-70DD-RD	196.1
B1	PPSL191-YW	396.5
B2	PPSL191-YW	401.7
B3	PPSL191-YW	313.6
BG1	ED8kU-90DD-RD	138.7
BG2	ED8kU-90DD-RD	137.2
BG3	ED8kU-90DD-RD	128.7
BG4	ED8kU-90DD-RD	125
BG5	ED8kU-70DD-RD	207.9
BG6	ED8kU-70DD-RD	196.5
BG7	ED8kU-70DD-RD	190.5
C1	TSL140-BE	406.8
C2	TSL140-BE	409.7
C3	TSL140-BE	319.2
CM1	ED8kU-90DD-RD	82
CM2	ED8kU-90DD-RD	78.9
CM3	ED8kU-90DD-RD	73.8
CM4	ED8kU-90DD-RD	73.5
CG1	ED8kU-70DD-RD	57.8
CG2	ED8kU-70DD-RD	56.7
CG3	ED8kU-70DD-RD	54.1
CG4	ED8kU-70DD-RD	51.9
CG5	ED8kU-70DD-RD	205.9
CG6	ED8kU-70DD-RD	192.7
CG7	ED8kU-70DD-RD	185.8
DG1	ED8kU-70DD-RD	69.3
DG2	ED8kU-70DD-RD	67.7
DG3	ED8kU-70DD-RD	64.6
DG4	ED8kU-70DD-RD	60.6
F1	DSL70-OE	270.5

F2	DSL70-OE	180.4
FM1	DSL70-OE	102.6
FM2	DSL70-GN	70.7
FM3	DSL70-OE	84
FM4	DSL70-OE	70.7
FM5	DSL70-OE	46
FM6	DSL70-OE	50.6
FMM1	DSL70-OE	80.4
FMM2	DSL70-OE	105
FG1	PPSLS65-OE	53.9
FG10	PPSLS65-OE	19.5
FG11	PPSLS65-OE	16.2
FG12	PPSLS65-OE	27.9
FG2	PPSLS65-OE	28.7
FG3	PPSLS65-OE	38.1
FG4	PPSLS65-OE	35.7
FG5	PPSLS65-OE	32.5
FG6	PPSLS65-OE	19.5
FG7	PPSLS65-OE	21.5
FG8	PPSLS65-OE	25.8
FG9	PPSLS65-OE	19.3
F	ED7850-240O	191.5
SG1	PPSLS65-GN	80.8
SG2	PPSLS65-GN	84.9
S	DSL70-GN	400
SAG1	PPSLS65-GN	89.5
SBG1	PPSLS65-GN	90.5

Full Line lengths for ION 7 - XXXS

See also: docs.nova.eu for a searchable online database

Position	Length (mm)
A1R`	5907
A2R`	5875
A3R`	5848
A4R`	5831
A5R`	5767
A6R`	5642
A7R`	5569
A8R`	5385
B1R`	5842
B2R`	5826
B3R`	5794
B4R`	5756
B5R`	5704
B6R`	5590
B7R`	5530
B8R`	5395
C1R`	5946
D1R`	6061
C2R`	5904
D2R`	6014
C3R`	5857
D3R`	5962
C4R`	5832
D4R`	5919
C5R`	5740
C6R`	5609
C7R`	5539
F1R`	6183
F2R`	5931
F3R`	5707
F4R`	5684
F5R`	5685
F6R`	5555
F7R`	5443
F8R`	5486
F9R`	5420
F10R`	5423
F11R`	5436
F12R`	5552

S2R`	5339
S1R`	5298

Line lengths for ION 7 - XXS

See also: docs.nova.eu for a searchable online database

Position	Material	Length (cm)
A1	PPSL191-RD	423.7
A2	PPSL191-RD	429.6
A3	PPSL191-RD	331.2
AG1	ED8kU-90DD-RD	147.8
AG2	ED8kU-90DD-RD	144.8
AG3	ED8kU-90DD-RD	136.4
AG4	ED8kU-90DD-RD	134.8
AG5	ED8kU-70DD-RD	227
AG6	ED8kU-70DD-RD	213.9
AG7	ED8kU-70DD-RD	206.4
B1	PPSL191-YW	419
B2	PPSL191-YW	424.9
B3	PPSL191-YW	332.7
BG1	ED8kU-90DD-RD	145.4
BG2	ED8kU-90DD-RD	144.1
BG3	ED8kU-90DD-RD	134.7
BG4	ED8kU-90DD-RD	131.2
BG5	ED8kU-70DD-RD	217.9
BG6	ED8kU-70DD-RD	206.2
BG7	ED8kU-70DD-RD	200.2
C1	TSL140-BE	430.1
C2	TSL140-BE	433.9
C3	TSL140-BE	339.7
CM1	ED8kU-90DD-RD	86.1
CM2	ED8kU-90DD-RD	83.1
CM3	ED8kU-90DD-RD	77.3
CM4	ED8kU-90DD-RD	77.2
CG1	ED8kU-70DD-RD	60.2
CG2	ED8kU-70DD-RD	59.1
CG3	ED8kU-70DD-RD	56.5
CG4	ED8kU-70DD-RD	54.3
CG5	ED8kU-70DD-RD	215.7
CG6	ED8kU-70DD-RD	202.3
CG7	ED8kU-70DD-RD	195.2
DG1	ED8kU-70DD-RD	72.8
DG2	ED8kU-70DD-RD	71.1
DG3	ED8kU-70DD-RD	67.9
DG4	ED8kU-70DD-RD	63.7
F1	DSL70-OE	279.8

F2	DSL70-OE	189.6
FM1	DSL70-OE	101.6
FM2	DSL70-OE	80.2
FM3	DSL70-OE	88.2
FM4	DSL70-OE	74.7
FM5	DSL70-OE	48.2
FM6	DSL70-OE	54.3
FMM1	DSL70-OE	84.2
FMM2	DSL70-OE	110.8
FG1	PPSLS65-OE	56.7
FG10	PPSLS65-OE	26.2
FG11	PPSLS65-OE	23.3
FG12	PPSLS65-OE	33.9
FG2	PPSLS65-OE	34.9
FG3	PPSLS65-OE	42.4
FG4	PPSLS65-OE	40.1
FG5	PPSLS65-OE	37.9
FG6	PPSLS65-OE	25.9
FG7	PPSLS65-OE	28.2
FG8	PPSLS65-OE	32
FG9	PPSLS65-OE	26.2
F	ED7850-240O	207.2
SG1	PPSLS65-GN	85.1
SG2	PPSLS65-GN	88.8
S	DSL70-GN	423
SAG1	PPSLS65-GN	94.1
SBG1	PPSLS65-GN	94.7

Full Line lengths for ION 7 - XXS

See also: docs.nova.eu for a searchable online database

Position	Length (mm)
A1R`	6205
A2R`	6174
A3R`	6149
A4R`	6134
A5R`	6072
A6R`	5941
A7R`	5866
A8R`	5661
B1R`	6134
B2R`	6121
B3R`	6086
B4R`	6051
B5R`	5996
B6R`	5879
B7R`	5819
B8R`	5667
C1R`	6246
D1R`	6372
C2R`	6205
D2R`	6325
C3R`	6160
D3R`	6273
C4R`	6136
D4R`	6230
C5R`	6044
C6R`	5910
C7R`	5840
F1R`	6453
F2R`	6235
F3R`	6097
F4R`	6074
F5R`	6071
F6R`	5951
F7R`	5838
F8R`	5877
F9R`	5820
F10R`	5821
F11R`	5853
F12R`	5959

S2R`	5608
S1R`	5571

Line lengths for ION7 - XS

See also: docs.nova.eu for a searchable online database

Position	Material	Length (cm)
A1	PPSL191-RD	448.1
A2	PPSL191-RD	454.6
A3	PPSL191-RD	351.2
AG1	ED8kU-90DD-RD	155.2
AG2	ED8kU-90DD-RD	152.1
AG3	ED8kU-90DD-RD	143.1
AG4	ED8kU-90DD-RD	141.6
AG5	ED8kU-70DD-RD	238.4
AG6	ED8kU-70DD-RD	224.6
AG7	ED8kU-70DD-RD	216.9
B1	PPSL191-YW	442.8
B2	PPSL191-YW	449.3
B3	PPSL191-YW	352.8
BG1	ED8kU-90DD-RD	152.5
BG2	ED8kU-90DD-RD	151.4
BG3	ED8kU-90DD-RD	141.4
BG4	ED8kU-90DD-RD	137.9
BG5	ED8kU-70DD-RD	228.8
BG6	ED8kU-70DD-RD	216.6
BG7	ED8kU-70DD-RD	210.2
C1	TSL140-BE	454.1
C2	TSL140-BE	458.6
C3	TSL140-BE	359.9
CM1	ED8kU-90DD-RD	90.9
CM2	ED8kU-90DD-RD	88
CM3	ED8kU-90DD-RD	81.7
CM4	ED8kU-90DD-RD	81.6
CG1	ED8kU-70DD-RD	63.3
CG2	ED8kU-70DD-RD	62.1
CG3	ED8kU-70DD-RD	59.4
CG4	ED8kU-70DD-RD	57.1
CG5	ED8kU-70DD-RD	226.5
CG6	ED8kU-70DD-RD	212.4
CG7	ED8kU-70DD-RD	205.1
DG1	ED8kU-70DD-RD	77.2
DG2	ED8kU-70DD-RD	75.5
DG3	ED8kU-70DD-RD	72.1
DG4	ED8kU-70DD-RD	67.7
F1	DSL70-OE	297.9

F2	DSL70-OE	199.4
FM1	DSL70-OE	113.2
FM2	DSL70-OE	84.4
FM3	DSL70-OE	92.6
FM4	DSL70-OE	78.5
FM5	DSL70-OE	50.6
FM6	DSL70-OE	57.1
FMM1	DSL70-OE	88.3
FMM2	DSL70-OE	116.6
FG1	PPSLS65-OE	59.6
FG10	PPSLS65-OE	27.6
FG11	PPSLS65-OE	24.4
FG12	PPSLS65-OE	35.6
FG2	PPSLS65-OE	36.6
FG3	PPSLS65-OE	44.5
FG4	PPSLS65-OE	42.2
FG5	PPSLS65-OE	39.8
FG6	PPSLS65-OE	27.2
FG7	PPSLS65-OE	29.6
FG8	PPSLS65-OE	33.6
FG9	PPSLS65-OE	27.5
F	ED7850-240O	218.1
SG1	PPSLS65-GN	89.3
SG2	PPSLS65-GN	93.2
S	DSL70-GN	447.5
SAG1	PPSLS65-GN	98.8
SBG1	PPSLS65-GN	99.4

Full Line lengths for ION 7 - XS

See also: docs.nova.eu for a searchable online database

Position	Length (mm)
A1R`	6522
A2R`	6492
A3R`	6467
A4R`	6452
A5R`	6385
A6R`	6248
A7R`	6171
A8R`	5954
B1R`	6443
B2R`	6432
B3R`	6397
B4R`	6362
B5R`	6305
B6R`	6183
B7R`	6120
B8R`	5959
C1R`	6565
D1R`	6704
C2R`	6524
D2R`	6657
C3R`	6478
D3R`	6605
C4R`	6455
D4R`	6561
C5R`	6354
C6R`	6214
C7R`	6140
F1R`	6838
F2R`	6609
F3R`	6399
F4R`	6375
F5R`	6332
F6R`	6206
F7R`	6089
F8R`	6129
F9R`	6071
F10R`	6072
F11R`	6106
F12R`	6218

S2R`	5898
S1R`	5859

Line lengths for ION7 - S

See also: docs.nova.eu for a searchable online database

Position	Material	Length (cm)
A1	PPSL191-RD	473.1
A2	PPSL191-RD	480.2
A3	PPSL191-RD	371.2
AG1	ED8kU-90DD-RD	162.8
AG2	ED8kU-90DD-RD	159.8
AG3	ED8kU-90DD-RD	150.2
AG4	ED8kU-90DD-RD	148.7
AG5	ED8kU-70DD-RD	250.2
AG6	ED8kU-70DD-RD	235.8
AG7	ED8kU-70DD-RD	227.7
B1	PPSL191-YW	467.5
B2	PPSL191-YW	474.7
B3	PPSL191-YW	373.6
BG1	ED8kU-90DD-RD	160
BG2	ED8kU-90DD-RD	159.1
BG3	ED8kU-90DD-RD	148.4
BG4	ED8kU-90DD-RD	144.8
BG5	ED8kU-70DD-RD	240.1
BG6	ED8kU-70DD-RD	227.3
BG7	ED8kU-70DD-RD	220.7
C1	TSL140-BE	479.1
C2	TSL140-BE	484.2
C3	TSL140-BE	380.9
CM1	ED8kU-90DD-RD	94.6
CM2	ED8kU-90DD-RD	91.8
CM3	ED8kU-90DD-RD	85
CM4	ED8kU-90DD-RD	85.1
CG1	ED8kU-70DD-RD	66.4
CG2	ED8kU-70DD-RD	65.2
CG3	ED8kU-70DD-RD	62.4
CG4	ED8kU-70DD-RD	59.9
CG5	ED8kU-70DD-RD	237.7
CG6	ED8kU-70DD-RD	223
CG7	ED8kU-70DD-RD	215.3
DG1	ED8kU-70DD-RD	80.2
DG2	ED8kU-70DD-RD	78.3
DG3	ED8kU-70DD-RD	74.8
DG4	ED8kU-70DD-RD	70.2
F1	DSL70-OE	312.5

F2	DSL70-OE	209.5
FM1	DSL70-OE	118.8
FM2	DSL70-OE	88.7
FM3	DSL70-OE	97.2
FM4	DSL70-OE	82.5
FM5	DSL70-OE	53
FM6	DSL70-OE	60
FMM1	DSL70-OE	92.6
FMM2	DSL70-OE	122.5
FG1	PPSLS65-OE	62.5
FG10	PPSLS65-OE	28.9
FG11	PPSLS65-OE	25.6
FG12	PPSLS65-OE	37.4
FG2	PPSLS65-OE	38.5
FG3	PPSLS65-OE	46.7
FG4	PPSLS65-OE	44.3
FG5	PPSLS65-OE	41.8
FG6	PPSLS65-OE	28.6
FG7	PPSLS65-OE	31
FG8	PPSLS65-OE	35.3
FG9	PPSLS65-OE	28.8
F	ED7850-240O	228
SG1	PPSLS65-GN	93.8
SG2	PPSLS65-GN	97.8
S	DSL70-GN	473.1
SAG1	PPSLS65-GN	103.8
SBG1	PPSLS65-GN	104.3

Full Line lengths for ION7 - S

See also: docs.nova.eu for a searchable online database

Position	Length (mm)
A1R`	6849
A2R`	6819
A3R`	6794
A4R`	6779
A5R`	6704
A6R`	6561
A7R`	6480
A8R`	6258
B1R`	6764
B2R`	6755
B3R`	6721
B4R`	6685
B5R`	6627
B6R`	6499
B7R`	6433
B8R`	6264
C1R`	6884
D1R`	7021
C2R`	6843
D2R`	6974
C3R`	6798
D3R`	6922
C4R`	6774
D4R`	6877
C5R`	6677
C6R`	6529
C7R`	6452
F1R`	7218
F2R`	6978
F3R`	6759
F4R`	6735
F5R`	6690
F6R`	6558
F7R`	6436
F8R`	6479
F9R`	6419
F10R`	6420
F11R`	6457
F12R`	6574

S2R`	6199
S1R`	6158

Line lengths for ION7 - M

See also: docs.nova.eu for a searchable online database

Position	Material	Length (cm)
A1	PPSL191-RD	497
A2	PPSL191-RD	504.7
A3	PPSL191-RD	391.7
AG1	ED8kU-90DD-RD	170
AG2	ED8kU-90DD-RD	167.1
AG3	ED8kU-90DD-RD	156.9
AG4	ED8kU-90DD-RD	155.5
AG5	ED8kU-70DD-RD	261.4
AG6	ED8kU-70DD-RD	246.5
AG7	ED8kU-70DD-RD	238.1
B1	PPSL191-YW	491
B2	PPSL191-YW	499
B3	PPSL191-YW	393.4
BG1	ED8kU-90DD-RD	167.1
BG2	ED8kU-90DD-RD	166.4
BG3	ED8kU-90DD-RD	155
BG4	ED8kU-90DD-RD	151.4
BG5	ED8kU-70DD-RD	250.9
BG6	ED8kU-70DD-RD	237.6
BG7	ED8kU-70DD-RD	230.7
C1	TSL140-BE	503
C2	TSL140-BE	508.7
C3	TSL140-BE	401
CM1	ED8kU-90DD-RD	98.8
CM2	ED8kU-90DD-RD	96
CM3	ED8kU-90DD-RD	88.7
CM4	ED8kU-90DD-RD	88.9
CG1	ED8kU-70DD-RD	69.4
CG2	ED8kU-70DD-RD	68.2
CG3	ED8kU-70DD-RD	65.2
CG4	ED8kU-70DD-RD	62.7
CG5	ED8kU-70DD-RD	248.4
CG6	ED8kU-70DD-RD	233
CG7	ED8kU-70DD-RD	225
DG1	ED8kU-70DD-RD	83.5
DG2	ED8kU-70DD-RD	81.5
DG3	ED8kU-70DD-RD	77.8
DG4	ED8kU-70DD-RD	73
F1	DSL70-OE	324.4

F2	DSL70-OE	219.2
FM1	DSL70-OE	125.1
FM2	DSL70-OE	86.3
FM3	DSL70-OE	101.5
FM4	DSL70-OE	86.3
FM5	DSL70-OE	55.3
FM6	DSL70-OE	61.7
FMM1	DSL70-OE	96.6
FMM2	DSL70-OE	128.2
FG1	PPSLS65-OE	65.3
FG10	PPSLS65-OE	30.3
FG11	PPSLS65-OE	26.7
FG12	PPSLS65-OE	39
FG2	PPSLS65-OE	34.9
FG3	PPSLS65-OE	48.8
FG4	PPSLS65-OE	46.3
FG5	PPSLS65-OE	39.3
FG6	PPSLS65-OE	29.9
FG7	PPSLS65-OE	32.4
FG8	PPSLS65-OE	36.9
FG9	PPSLS65-OE	30.1
F	ED7850-240O	243.8
SG1	PPSLS65-GN	98
SG2	PPSLS65-GN	102.1
S	DSL70-GN	497.4
SAG1	PPSLS65-GN	108.4
SBG1	PPSLS65-GN	108.9

Full Line lengths for ION 7 - M

See also: docs.nova.eu for a searchable online database

Position	Length (mm)
A1R`	7160
A2R`	7131
A3R`	7106
A4R`	7092
A5R`	7022
A6R`	6873
A7R`	6788
A8R`	6549
B1R`	7071
B2R`	7064
B3R`	7030
B4R`	6994
B5R`	6934
B6R`	6800
B7R`	6732
B8R`	6554
C1R`	7194
D1R`	7334
C2R`	7154
D2R`	7287
C3R`	7108
D3R`	7235
C4R`	7085
D4R`	7189
C5R`	6984
C6R`	6830
C7R`	6750
F1R`	7587
F2R`	7283
F3R`	7033
F4R`	7008
F5R`	7005
F6R`	6911
F7R`	6784
F8R`	6829
F9R`	6767
F10R`	6769
F11R`	6797
F12R`	6920

S2R`	6486
S1R`	6444

Line lengths for ION7 - L

See also: docs.nova.eu for a searchable online database

Position	Material	Length (cm)
A1	PPSL191-RD	519.9063159605
A2	PPSL191-RD	528.22034514952
A3	PPSL191-RD	410.7340170675
AG1	ED8kU-130DD-RD	176.99273659855
AG2	ED8kU-130DD-RD	174.16757054511
AG3	ED8kU-130DD-RD	163.37215093255
AG4	ED8kU-130DD-RD	161.96625999655
AG5	ED8kU-70DD-RD	272.25361635423
AG6	ED8kU-70DD-RD	256.75564789555
AG7	ED8kU-70DD-RD	248.04884541465
B1	PPSL191-YW	513.61749709753
B2	PPSL191-YW	522.20637492856
B3	PPSL191-YW	412.47388819367
BG1	ED8kU-90DD-RD	173.89573197148
BG2	ED8kU-90DD-RD	173.3745015985
BG3	ED8kU-90DD-RD	161.41240166291
BG4	ED8kU-90DD-RD	157.78746798118
BG5	ED8kU-70DD-RD	261.30912013166
BG6	ED8kU-70DD-RD	247.46719500977
BG7	ED8kU-70DD-RD	240.33609055035
C1	TSL140-BE	525.8871208911
C2	TSL140-BE	532.18853514821
C3	TSL140-BE	420.22273338769
CM1	ED8kU-90DD-RD	102.72805208498
CM2	ED8kU-90DD-RD	100.00543843926
CM3	ED8kU-90DD-RD	92.302297195305
CM4	ED8kU-90DD-RD	92.617413766096
CG1	ED8kU-70DD-RD	72.330671229884
CG2	ED8kU-70DD-RD	71.035082183895
CG3	ED8kU-70DD-RD	67.905342149105
CG4	ED8kU-70DD-RD	65.278810434569
CG5	ED8kU-70DD-RD	258.72423211975
CG6	ED8kU-70DD-RD	242.70641537693
CG7	ED8kU-70DD-RD	234.34393185685
DG1	ED8kU-70DD-RD	86.907200832243
DG2	ED8kU-70DD-RD	84.894397870761
DG3	ED8kU-70DD-RD	81.038083242457
DG4	ED8kU-70DD-RD	76.031663257085
F1	DSL70-OE	337.81696994427

F2	DSL70-OE	228.53900315176
FM1	DSL70-OE	130.20854375208
FM2	DSL70-OE	89.923751914929
FM3	DSL70-OE	105.68323693242
FM4	DSL70-OE	89.973932763171
FM5	DSL70-OE	57.588564568844
FM6	DSL70-OE	64.304355255462
FMM1	DSL70-OE	100.53987883675
FMM2	DSL70-OE	133.67927957715
FG1	PPSLS65-OE	68.524414117872
FG10	PPSLS65-OE	31.531412018607
FG11	PPSLS65-OE	27.825868700894
FG12	PPSLS65-OE	40.64940976926
FG2	PPSLS65-OE	36.881337431453
FG3	PPSLS65-OE	52.291799391342
FG4	PPSLS65-OE	49.761871635704
FG5	PPSLS65-OE	40.928539765258
FG6	PPSLS65-OE	31.161615582922
FG7	PPSLS65-OE	33.734400090253
FG8	PPSLS65-OE	38.452193708556
FG9	PPSLS65-OE	31.32344893092
F	ED7850-240O	260.60359345749
SG1	PPSLS65-GN	102.03478001186
SG2	PPSLS65-GN	106.32126162879
S	DSL70-GN	520.81464688261
SAG1	PPSLS65-GN	112.93835215856
SBG1	PPSLS65-GN	113.4128574306

Full Line lengths for ION7 - L

See also: docs.nova.eu for a searchable online database

Position	Length (mm)
A1R`	7469
A2R`	7441
A3R`	7416
A4R`	7402
A5R`	7330
A6R`	7175
A7R`	7088
A8R`	6837
B1R`	7375
B2R`	7370
B3R`	7336
B4R`	7300
B5R`	7238
B6R`	7099
B7R`	7028
B8R`	6842
C1R`	7501
D1R`	7647
C2R`	7461
D2R`	7600
C3R`	7416
D3R`	7547
C4R`	7393
D4R`	7500
C5R`	7289
C6R`	7129
C7R`	7046
F1R`	7931
F2R`	7615
F3R`	7366
F4R`	7341
F5R`	7323
F6R`	7225
F7R`	7094
F8R`	7141
F9R`	7077
F10R`	7079
F11R`	7109
F12R`	7238

S2R`	6771
S1R`	6728