

A range of sizes is available, ranging from 6mm to 200mm diameter. Parts with fastenings on both sides can be used in shear and compression or a combination of both. Parts with fastenings on one side can be used as bump stops to absorb shock loads or as mounting feet. Some sizes are subject to minimum order quantities.

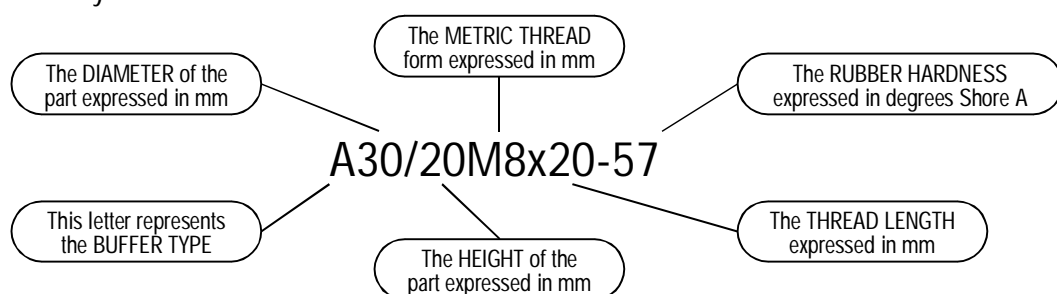
### Example For Calculating Load/Deflection Values For A Buffer

For a buffer type A with a diameter of 30mm and height of 20mm in rubber hardness 57° shore A, and referring to the relevant Spring Characteristics table we can calculate the compression stiffness of the part to be 490.6N divided by 2.4mm, i.e. 204N/mm. Therefore a load of 100N will deflect the buffer by 0.5mm, i.e. 100N divided by 204N/mm.

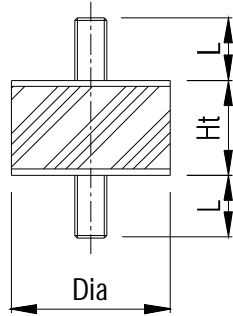
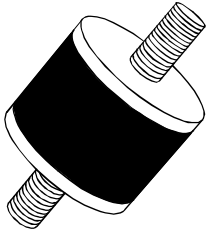
If the buffer was of type B then the relevant correction factor (CF) should be applied. Therefore the compression stiffness of the buffer will be 204N/mm multiplied by the correction factor of 1.15, i.e. 235N/mm. A load of 100N will then deflect the buffer by 0.4mm, i.e. 100N divided by 235N/mm. Alternatively if a deflection of say 3mm was required then the load required to deflect the buffer can be calculated by multiplying the stiffness of the part 235N/mm by the deflection of 3mm, i.e. 705N.

### Buffer Product Code Formulation

The product codes used by GMT to identify standard natural rubber buffers are formulated to be self-explanatory. The following example illustrates how they are derived:



Type A



• = STANDARD STOCK

Compounds Produced: 43° Shore A (Soft)

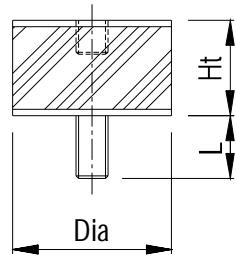
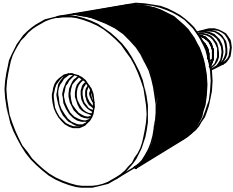
(Natural Rubber) 57° Shore A (Medium)

68° Shore A (Hard)

Dimensions Dia/Ht (mm)	Screw Thread Size x L (mm)	Special Screw Thread Sizes (mm)
6/6 6/7	M3 x 6 M3 x 6	
8/6 8/8	M3 x 6 M3 x 6	
9/12	M4 x 6	
• 10/8 10/10 10/15	M4 x 10 M4 x 10 M4 x 10	M3 x 5, M5 x 5 M5x10, M5x15
12/24	M4 x 12	
13/26	M4 x 10	
15/6 15/8 15/10 • 15/15 15/20 15/25 15/28 15/30	M4 x 13 M4 x 13 M4 x 13 M4 x 13 M4 x 13 M4 x 13 M4 x 13 M4 x 13	M4 x 6, M4 x 8 M4 x 10, M4 x 15 M5 x 15
• 18/8.5	M6 x 16	M6 x 10
• 20/10 • 20/15 • 20/20 • 20/25 20/30	M6 x 15 M6 x 15 M6 x 15 M6 x 15 M6 x 15	M5 x 15, M6 x 8 M6 x 10, M6 x 12 M6 x 18, M6 x 20
25/10 • 25/15 • 25/20 25/25 25/30	M6 x 18 M6 x 18 M6 x 18 M6 x 18 M6 x 18	M6 x 8, M6 x 10 M6 x 12, M6 x 15 M6 x 20
• 30/15 • 30/20 30/25 • 30/30 30/40 30/50	M8 x 20 M8 x 20 M8 x 20 M8 x 20 M8 x 20 M8 x 20	M8 x 8, M8 x 10 M8 x 13, M8 x 16 M8 x 18, M8 x 23 M8 x 27, M10 x 25
• 40/20 • 40/30 • 40/40 40/66	M8 x 23 M8 x 23 M8 x 23 M8 x 23	M8 x 12, M8 x 13 M8 x 16, M8 x 28 M10 x 20

Dimensions Dia/Ht (mm)	Screw Thread Size x L (mm)	Special Screw Thread Sizes (mm)
• 50/20 50/25 • 50/30 50/35 • 50/40 50/45 • 50/50 50/55	M10 x 28 M10 x 28 M10 x 28 M10 x 28 M10 x 28 M10 x 28 M10 x 28 M10 x 28	M8 x 23, M10 x 15 M10 x 20, M10 x 33 M12 x 27
60/35 60/40 60/45	M10 x 28 M10 x 28 M10 x 28	M8 x 23, M10 x 15 M10 x 20, M10 x 33 M12 x 27
70/35 • 70/45	M10 x 30 M10 x 30	M10 x 25
75/25 • 75/40 75/45 • 75/50 • 75/55 75/60	M12 x 37 M12 x 37 M12 x 37 M12 x 37 M12 x 37 M12 x 37	M12 x 27, M12 x 32
80/66	M12 x 37	
90/50 90/55	M14 x 33 M14 x 33	M14 x 30
100/30 100/40 100/50 • 100/55 100/60 100/75 100/100	M16 x 45 M16 x 45 M16 x 45 M16 x 45 M16 x 45 M16 x 45 M16 x 45	M12 x 27, M16 x 37
125/55 125/60	M16 x 45 M16 x 45	
150/55 150/60 150/75 150/100	M16 x 45 M16 x 45 M16 x 45 M16 x 45	M20 x 45
160/75	M16 x 45	
200/100	M20 x 45	

## Type B



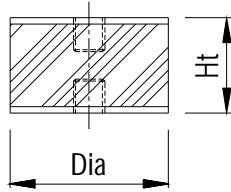
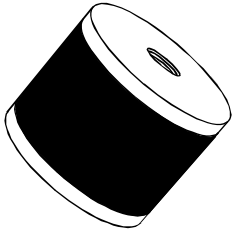
• = STANDARD STOCK

 Compounds Produced: 43° Shore A (Soft)  
 (Natural Rubber) 57° Shore A (Medium)  
 68° Shore A (Hard)

Dimensions Dia/Ht (mm)	Screw Thread Size x L (mm)	Special Screw Thread Sizes (mm)
6/6 6/7	M3 x 6 M3 x 6	
8/6 8/8	M3 x 6 M3 x 6	
9/12	M3 x 6	
• 10/10 10/15	M4 x 10 M4 x 10	M3 x 5, M5 x 5 M5 x 10
12/24	M4 x 12	
13/26	M4 x 10	M4 x 12
15/10 • 15/15 15/20 15/25 15/28 15/30	M4 x 13 M4 x 13 M4 x 13 M4 x 13 M4 x 13 M4 x 13	M4 x 6, M4 x 8 M4 x 10, M4 x 15 M5 x 15
• 20/15 • 20/20 • 20/25 20/30	M6 x 15 M6 x 15 M6 x 15 M6 x 15	M5 x 15, M6 x 8 M6 x 10, M6 x 12 M6 x 18, M6 x 20
25/15 • 25/20 25/25 25/30	M6 x 18 M6 x 18 M6 x 18 M6 x 18	M6 x 8, M6 x 10 M6 x 12, M6 x 15 M6 x 20
• 30/15 • 30/20 30/25 • 30/30 30/40 30/50	M8 x 20 M8 x 20 M8 x 20 M8 x 20 M8 x 20 M8 x 20	M8 x 8, M8 x 10 M8 x 13, M8 x 16 M8 x 18, M8 x 23 M8 x 27
40/20 • 40/30 • 40/40 40/66	M8 x 23 M8 x 23 M8 x 23 M8 x 23	M8 x 12, M8 x 13 M8 x 16, M8 x 28 M10 x 20

Dimensions Dia/Ht (mm)	Screw Thread Size x L (mm)	Special Screw Thread Sizes (mm)
• 50/20 50/25	M10 x 28 M10 x 28	
• 50/30 50/35	M10 x 28 M10 x 28	M8 x 23, M10 x 15 M10 x 20, M10 x 33 M12 x 27
• 50/40 50/45	M10 x 28 M10 x 28	
• 50/50 50/55	M10 x 28 M10 x 28	
60/35 60/40 60/45	M10 x 28 M10 x 28 M10 x 28	M10 x 15, M10 x 20 M10 x 33
70/35 • 70/45	M10 x 30 M10 x 30	M10 x 25
75/25 • 75/40 75/45 • 75/50 • 75/55 75/60	M12 x 37 M12 x 37 M12 x 37 M12 x 37 M12 x 37 M12 x 37	M12 x 27, M12 x 32
80/66	M12 x 37	M12 x 27
90/50 90/55	M14 x 33 M14 x 33	
100/30 100/40 100/50 • 100/55 100/60 100/75 100/100	M16 x 45 M16 x 45 M16 x 45 M16 x 45 M16 x 45 M16 x 45 M16 x 45	M12 x 27, M12 x 37
125/55 125/60	M16 x 45 M16 x 45	
150/55 150/60 150/75 150/100	M16 x 45 M16 x 45 M16 x 45 M16 x 45	M20 x 45
160/75	M16 x 45	
200/100	M20 x 45	

Type C



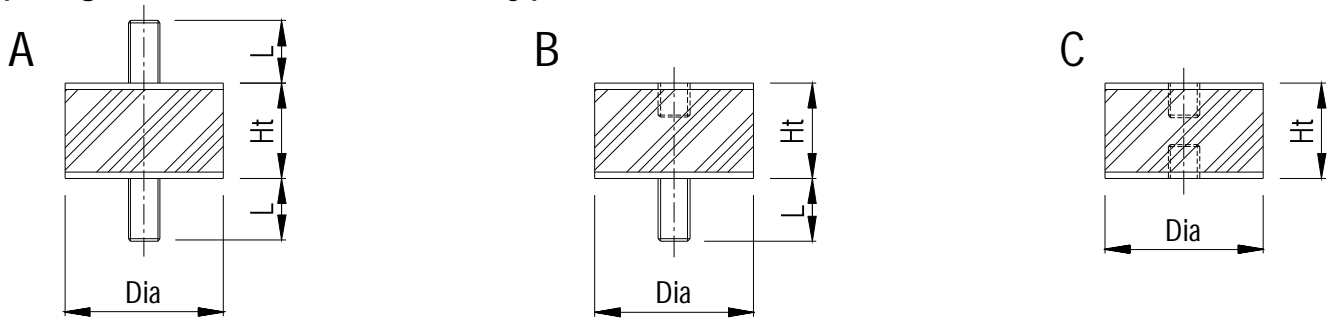
• = STANDARD STOCK

Compounds Produced: 43° Shore A (Soft)  
 (Natural Rubber) 57° Shore A (Medium)  
 68° Shore A (Hard)

Dimensions Dia/Ht (mm)	Screw Thread Size	Special Screw Thread Sizes (mm)
8/8	M3	
9/12	M4	
• 10/10	M4	M3
10/15	M4	
12/24	M4	
13/26	M4	
• 15/15	M4	
15/20	M4	
15/25	M4	M5
15/28	M4	
15/30	M4	
• 20/20	M6	M5
20/25	M6	
20/30	M6	
• 25/20	M6	
25/25	M6	
• 25/30	M6	
• 30/20	M8	
30/25	M8	
• 30/30	M8	
30/40	M8	
30/50	M8	
• 40/30	M8	M10
• 40/40	M8	
40/66	M8	
• 50/30	M10	
50/35	M10	
• 50/40	M10	M8, M12
50/45	M10	
• 50/50	M10	
50/55	M10	
60/35	M10	
60/40	M10	
60/45	M10	

Dimensions Dia/Ht (mm)	Screw Thread Size	Special Screw Thread Sizes (mm)
70/35	M10	M12, M16
• 70/45	M10	
• 75/40	M12	
75/45	M12	
• 75/50	M12	M16
• 75/55	M12	
75/60	M12	
80/66	M12	
90/50	M14	
90/55	M14	
100/40	M16	
100/50	M16	
• 100/55	M16	M12
100/60	M16	
100/75	M16	
100/100	M16	
125/55	M16	M20
125/60	M16	
150/55	M16	
150/60	M16	
150/75	M16	M20
150/100	M16	
160/75	M16	
200/100	M20	M16

## Spring Characteristics For Types:



**IMPORTANT NOTE:** All values of load in the table shown apply to type A buffers - for types B and C use the appropriate correction factor (CF). Reference should be made to the beginning of this chapter for load calculations and to Section 1 - Technical Information for selection examples.

Dia/Ht (mm)	Compression Characteristics				Shear Characteristics				Dia/Ht (mm)	Compression Characteristics				Shear Characteristics			
	Defln (mm)	Load (N)			Defln (mm)	Load (N)				Defln (mm)	Load (N)			Defln (mm)	Load (N)		
		43°	57°	68°		43°	57°	68°		43°	57°	68°		43°	57°	68°	
8/8	0.3	4.3	12.1	17.7	0.6	2.5	4.6	6.6	25/10	0.3	123.2	207.2	296.2	0.6	21.1	44.4	67.5
	0.6	8.5	24.1	35.4	1.2	5.0	9.1	13.2		0.6	246.4	414.4	592.3	1.2	42.1	88.9	135.0
	0.9	12.8	36.2	53.0	1.8	7.6	13.7	19.8		0.9	369.6	621.5	888.5	1.8	63.2	133.3	202.5
	(MAX)	CF: B = 1.15			(MAX)	CF: B = 1.15				(MAX)	CF: B = 1.25			(MAX)	CF: B = 1.25		
10/10	0.4	8.9	17.9	25.9	0.7	3.5	6.2	9.0	25/15	0.6	74.2	134.5	174.0	1.1	24.6	44.5	64.2
	0.7	15.5	31.4	45.4	1.4	6.9	12.4	18.0		1.1	136.1	246.5	319.0	2.2	49.3	89.0	128.5
	1.1	24.4	49.3	71.4	2.1	10.4	18.6	27.0		1.7	210.3	381.0	493.0	3.3	73.9	133.5	192.7
	(MAX)	CF: B = 1.05			(MAX)	CF: B = 1.05; C = 1.20				(MAX)	CF: B = 1.20			(MAX)	CF: B = 1.20		
15/8	0.3	30.8	56.2	83.1	0.5	4.4	13.5	19.2	25/20	0.8	68.7	110.9	158.0	1.6	23.1	44.7	64.0
	0.5	51.3	93.6	138.6	1.0	8.8	27.0	38.5		1.6	137.5	221.8	316.1	3.2	46.3	89.4	128.0
	0.8	82.0	149.8	221.7	1.5	13.2	40.5	57.7		2.4	206.2	332.7	474.1	4.8	69.4	134.2	192.0
	(MAX)	CF: B = 1.25			(MAX)	CF: B = 1.05; C = 1.10				(MAX)	CF: B = 1.05; C = 1.10			(MAX)	CF: B = 1.05; C = 1.10		
15/15	0.6	16.9	36.1	58.7	1.2	8.9	16.0	23.1	25/25	1.1	65.4	104.7	164.7	2.1	24.6	44.2	64.1
	1.2	33.8	72.2	117.3	2.4	17.8	32.0	46.2		2.1	124.8	199.8	314.4	4.2	49.1	88.4	128.3
	1.8	50.6	108.4	176.0	3.6	26.7	48.1	69.2		3.2	190.2	304.5	479.0	6.3	73.7	132.6	192.4
	(MAX)	CF: B = 1.05; C = 1.10			(MAX)	CF: B = 1.05; C = 1.10				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
15/30	1.4	20.2	34.3	48.6	2.7	14.1	16.1	22.3	25/30	1.3	58.7	92.9	135.1	2.6	24.6	44.3	67.0
	2.7	38.8	66.2	93.6	5.4	28.1	32.1	44.6		2.6	117.5	185.7	270.2	5.2	49.2	88.6	134.0
	4.1	59.0	100.6	142.2	8.1	42.2	48.2	66.9		3.9	176.2	278.6	405.3	7.8	73.8	132.9	201.1
	(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05				(MAX)	CF: C = 1.05			(MAX)	CF: B = 1.05; C = 1.10		
18/8.5	0.3	29.8	50.0	80.3	0.6	13.9	25.0	36.8	30/15	0.6	159.9	291.7	420.0	1.1	35.4	64.1	92.1
	0.6	59.6	100.0	160.6	1.1	25.5	45.8	67.5		1.1	293.2	534.7	770.0	2.2	70.8	128.2	184.2
	0.8	79.5	133.3	214.1	1.7	39.5	70.8	104.2		1.7	453.1	826.4	1190.0	3.3	106.2	192.3	276.4
	(MAX)	CF: B = 1.25			(MAX)	CF: B = 1.25				(MAX)	CF: B = 1.25			(MAX)	CF: B = 1.25		
20/15	0.6	50.0	78.3	112.5	1.1	14.4	26.1	40.2	30/20	0.8	106.9	163.5	238.5	1.6	35.5	63.8	92.2
	1.1	91.7	143.5	206.3	2.2	28.9	52.1	80.5		1.6	213.8	327.1	476.9	3.2	71.0	127.6	184.4
	1.7	141.7	221.7	318.8	3.3	43.3	78.2	120.7		2.4	320.7	490.6	715.4	4.8	106.5	191.4	276.6
	(MAX)	CF: B = 1.15			(MAX)	CF: B = 1.20				(MAX)	CF: B = 1.15; C = 1.25			(MAX)	CF: B = 1.15; C = 1.25		
20/20	0.8	40.0	66.7	98.0	1.6	14.8	26.7	38.7	30/25	1.1	98.4	150.5	223.7	2.1	35.4	63.6	93.1
	1.6	80.0	133.3	196.0	3.2	29.7	53.3	77.3		2.1	187.9	287.2	427.1	4.2	70.7	127.3	186.1
	2.4	120.0	200.0	294.1	4.8	44.5	80.0	116.0		3.2	286.3	437.7	650.8	6.3	106.1	190.9	279.2
	(MAX)	CF: B = 1.10; C = 1.20			(MAX)	CF: B = 1.10; C = 1.15				(MAX)	CF: B = 1.10; C = 1.15			(MAX)	CF: B = 1.10; C = 1.15		
20/25	1.1	39.6	64.1	93.0	2.1	15.0	27.1	39.2	30/30	1.3	79.9	140.0	202.2	2.6	35.4	63.8	92.3
	2.1	75.7	122.4	177.5	4.2	30.0	54.2	78.3		2.6	159.8	280.0	404.4	5.2	70.8	127.5	184.6
	3.2	115.3	186.5	270.5	6.3	45.0	81.2	117.5		3.9	239.8	420.0	606.7	7.8	106.2	191.3	277.0
	(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05				(MAX)	CF: C = 1.10			(MAX)	CF: C = 1.10		

### Spring Characteristics For Types A, B and C Cont'd:

Dia/Ht (mm)	Compression Characteristics				Shear Characteristics				Dia/Ht (mm)	Compression Characteristics				Shear Characteristics			
	Defln (mm)	Load (N)			Defln (mm)	Load (N)				Defln (mm)	Load (N)			Defln (mm)	Load (N)		
		43°	57°	68°		43°	57°	68°			43°	57°	68°		43°	57°	68°
40/30	1.3	170.4	249.7	393.9	2.6	58.7	113.2	164.1	75/55	2.5	609.5	1097.8	1598.0	4.9	221.0	398.0	575.7
	2.6	340.9	499.5	787.9	5.2	117.3	226.4	328.1		4.9	1194.7	2151.7	3132.0	9.8	442.1	796.0	1151.4
	3.9	511.3	749.2	1181.8	7.8	176.0	339.7	492.2		7.4	1804.2	3249.5	4730.0	14.7	663.1	1194.0	1727.2
	(MAX)	CF: B = 1.05; C = 1.10			(MAX)	CF: B = 1.05; C = 1.10				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
40/40	1.8	152.1	243.6	352.6	3.6	62.9	113.2	163.6	75/60	2.7	580.4	1039.5	1498.7	5.4	221.0	398.0	574.5
	3.6	304.3	487.3	705.1	7.2	125.8	226.4	327.3		5.4	1160.8	2079.0	2997.5	10.8	442.1	796.0	1148.9
	5.4	456.4	730.9	1057.7	10.8	188.7	339.6	490.9		8.1	1741.2	3118.5	4496.2	16.2	663.1	1193.9	1723.4
	(MAX)	CF: B = 1.10; C = 1.05			(MAX)	CF: C = 1.05				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
50/20	0.8	432.4	800.0	1288.8	1.6	98.5	177.1	256.7	100/40	1.6	1576.4	3127.1	4660.9	3.2	392.9	707.9	1023.4
	1.6	864.9	1600.0	2577.6	3.2	197.0	354.2	513.4		3.2	3152.7	6254.1	9321.8	6.4	785.7	1415.8	2046.7
	2.4	1297.3	2400.0	3866.3	4.8	295.5	531.4	770.1		4.8	4729.1	9381.2	13982.7	9.6	1178.6	2123.7	3070.1
	(MAX)	CF: B = 1.25			(MAX)	CF: B = 1.25				(MAX)	CF: B = 1.25			(MAX)	CF: B = 1.20		
50/25	1.1	353.0	642.5	936.8	2.1	98.4	177.3	255.8	100/50	2.1	1344.4	2379.7	3433.3	4.2	392.9	571.6	1023.9
	2.1	673.8	1226.5	1788.5	4.2	196.8	354.7	511.7		4.2	2688.8	4759.4	6866.5	8.4	785.7	1143.2	2047.8
	3.2	1026.8	1869.0	2725.3	6.3	295.2	532.0	767.5		6.3	4033.2	7139.1	10299.8	12.6	1178.6	1714.8	3071.8
	(MAX)	CF: B = 1.20			(MAX)	CF: B = 1.20				(MAX)	CF: B = 1.10; C = 1.25			(MAX)	CF: B = 1.10; C = 1.25		
50/30	1.3	285.5	515.7	742.9	2.6	98.6	176.9	256.4	100/55	2.4	1272.7	2267.9	3200.0	4.7	393.1	708.0	843.1
	2.6	571.0	1031.3	1485.7	5.2	197.2	353.7	512.7		4.7	2492.3	4441.3	6266.7	9.4	786.2	1416.0	1686.1
	3.9	856.5	1547.0	2228.6	7.8	295.7	530.6	769.1		7.1	3765.0	6709.2	9466.7	14.1	1179.3	2124.0	2529.2
	(MAX)	CF: B = 1.15; C = 1.20			(MAX)	CF: B = 1.15; C = 1.20				(MAX)	CF: B = 1.05; C = 1.20			(MAX)	CF: B = 1.05; C = 1.20		
50/40	1.8	265.1	470.7	665.8	3.6	98.8	177.0	275.5	100/60	2.6	1140.8	2092.6	3017.4	5.2	392.9	707.7	1022.8
	3.6	530.1	941.3	1331.7	7.2	197.6	354.1	551.0		5.2	2281.5	4185.1	6034.8	10.4	785.7	1415.4	2045.6
	5.4	795.2	1412.0	1997.5	10.8	296.5	531.1	826.4		7.8	3422.3	6277.7	9052.2	15.6	1178.6	2123.1	3068.4
	(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05				(MAX)	CF: C = 1.10			(MAX)	CF: C = 1.10		
50/45	2.1	251.5	402.7	655.6	4.1	98.2	172.6	255.7	100/75	3.4	1044.4	1939.2	2800.3	6.7	392.8	707.8	1022.2
	4.1	491.0	786.2	1279.9	8.2	196.5	345.2	511.4		6.7	2058.0	3821.3	5518.2	13.4	785.6	1415.6	2044.5
	6.2	742.5	1188.9	1935.5	12.3	294.7	517.8	767.2		10.1	3102.4	5760.5	8318.5	20.1	1178.4	2123.5	3066.7
	(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
50/50	2.3	236.5	398.5	613.3	4.6	98.3	176.9	255.6	150/55	2.3	4026.5	7031.4	10396.9	4.6	904.1	1704.5	2300.0
	4.6	473.0	797.1	1226.7	9.2	196.6	353.7	511.1		4.6	8052.9	14062.8	20793.9	9.2	1808.2	3409.0	4600.0
	6.9	709.5	1195.6	1840.0	13.8	294.9	530.6	766.7		6.9	12079.4	21094.2	31190.8	13.8	2712.4	5113.5	6900.0
	(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
70/45	2.0	540.8	975.4	1467.1	3.9	187.8	346.6	501.9	150/60	2.6	3703.1	6466.0	9629.6	5.1	901.8	1560.7	2300.6
	3.9	1054.6	1902.1	2860.8	7.8	375.5	693.3	1003.8		5.1	7263.8	12683.2	18888.9	10.2	1803.6	3121.4	4601.2
	5.9	1595.4	2877.6	4327.8	11.7	563.3	1039.9	1505.7		7.7	10967.0	19149.2	28518.5	15.3	2705.3	4682.1	6901.8
	(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
75/40	1.7	707.9	1278.2	1839.3	3.4	221.2	398.7	575.5	150/75	3.3	2835.3	4094.9	7380.8	6.6	879.7	1382.1	2300.4
	3.4	1415.8	2556.3	3678.7	6.8	442.4	797.4	1151.1		6.6	5670.7	8189.7	14761.6	13.2	1795.4	2764.1	4600.8
	5.1	2123.7	3834.5	5518.0	10.2	663.5	1196.1	1726.6		9.9	8506.0	12284.6	22142.4	19.8	2693.0	4146.2	6901.2
	(MAX)	CF: B = 1.05; C = 1.10			(MAX)	CF: B = 1.05; C = 1.10				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
75/45	2.0	658.8	1188.3	1721.8	3.9	221.0	398.0	575.9	200/100	4.5	5031.1	9214.0	13089.9	9.0	1571.3	2828.8	4087.1
	3.9	1284.7	2317.2	3357.6	7.8	441.9	795.9	1151.8		9.0	10062.1	18428.1	26179.7	18.0	3142.5	5657.7	8174.2
	5.9	1943.4	3505.5	5079.4	11.7	662.9	1193.9	1727.7		13.5	15093.2	27642.1	39269.6	27.0	4713.8	8486.5	12261.2
	(MAX)	CF: B = 1.05; C = 1.10			(MAX)	CF: B = 1.05; C = 1.10				(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05		
75/50	2.2	619.5	1114.4	1617.6	4.4	221.0	398.2	572.7									
	4.4	1238.9	2228.7	3235.1	8.8	442.0	796.4	1145.4									
	6.6	1858.4	3343.1	4852.7	13.2	663.1	1194.6	1718.1									
(MAX)	CF: C = 1.05			(MAX)	CF: C = 1.05												