

Figures 250 & 350 Concentric Reducers

Figure 250
Concentric Reducer Cast

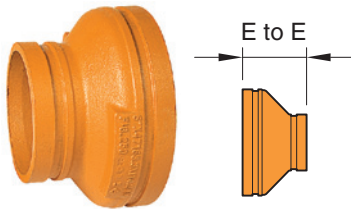
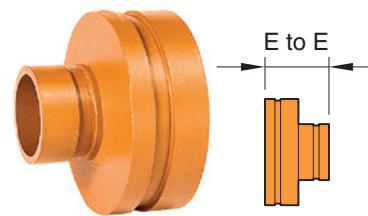


Figure 350
Concentric Reducer Fabricated



Pipe Size		Figure 250 - Cast		Figure 350 - Fabricated	
Nominal Inches mm	O.D. Inches mm	E to E Inches mm	Approx. Weight Lbs. kg	E to E Inches mm	Approx. Weight Lbs. kg
1-1/4 x 1 32 x 25	1.66 x 1.31 42,4 x 33,4	2.50 63,5	0.7 0,3	2.50 63,5	-
1-1/2 x 1 40 x 25	1.90 x 1.31 48,3 x 33,4	-	-	2.50 63,5	0.7 0,3
1-1/2 x 1-1/4 40 x 32	1.90 x 1.66 48,3 x 42,4	2.50 63,5	0.8 0,3	2.50 63,5	-
2 x 1 50 x 25	2.37 x 1.31 60,3 x 33,4	-	-	2.50 63,5	0.9 0,4
2 x 1-1/4 50 x 32	2.37 x 1.66 60,3 x 42,4	-	-	2.50 63,5	0.9 0,4
2 x 1-1/2 50 x 40	2.37 x 1.90 60,3 x 48,3	-	-	2.50 63,5	1.0 0,5
2-1/2 x 1 65 x 25	2.87 x 1.31 73,0 x 33,4	-	-	2.50 63,5	1.2 0,5
2-1/2 x 1-1/4 65 x 32	2.87 x 1.66 73,0 x 42,4	2.50 63,5	1.4 0,6	2.50 63,5	-
2-1/2 x 1-1/2 65 x 40	2.87 x 1.90 73,0 x 48,3	2.50 63,5	1.4 0,6	2.50 63,5	-
2-1/2 x 2 65 x 50	2.87 x 2.37 73,0 x 60,3	2.50 63,5	1.3 0,6	2.50 63,5	-
76mm x 1 65 x 25	3.00 x 1.31 76,1 x 33,4	-	-	2.50 63,5	-

MATERIAL SPECIFICATIONS

Material

Cast

- Ductile iron conforming to ASTM A 536, Grade 65-45-12.

Fabricated Steel

- Carbon Steel conforming to ASTM A 53, ASTM A 135, and ASTM A 795.

Wall Thickness

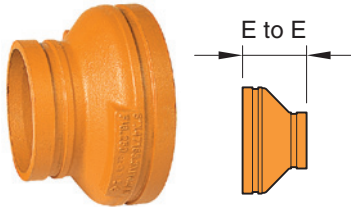
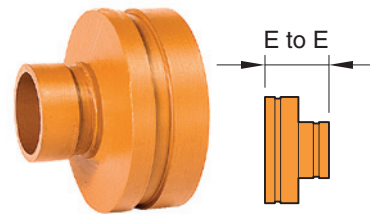
- Sizes 1" – 10" (25 – 250mm) Schedule 40
- Sizes 12" – 24" (300 – 600mm) Standard Wall 0.375

Protective Coatings

- Orange – Non-lead paint (standard)
- Hot-Dipped, Zinc Galvanized conforming to ASTM A 153 (optional)

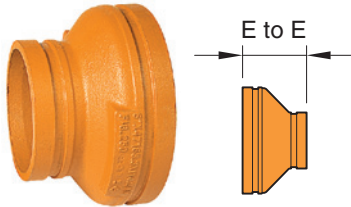
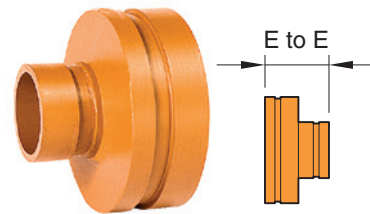
PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	Phone:	
Architect / Engineer:		
Contractor:		
Address:		
Notes:		

Figures 250 & 350 Concentric Reducers

 Figure 250
 Concentric Reducer Cast

 Figure 350
 Concentric Reducer Fabricated


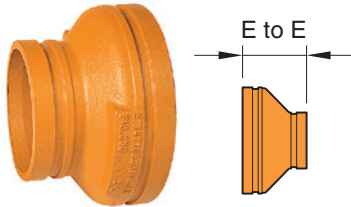
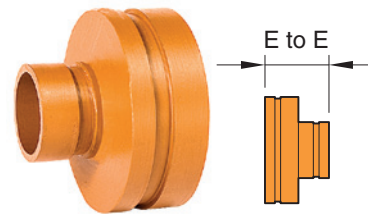
Pipe Size		Figure 250 - Cast		Figure 350 - Fabricated	
Nominal Inches mm	O.D. Inches mm	E to E Inches mm	Approx. Weight Lbs. kg	E to E Inches mm	Approx. Weight Lbs. kg
76mm x 1-1/4 65 x 32	3.00 x 1.66 76,1 x 42,4	2.50 63,5	1.4 0,6	2.50 63,5	-
76mm x 1-1/2 65 x 40	3.00 x 1.90 76,1 x 48,3	2.50 63,5	1.4 0,6	2.50 63,5	-
76mm x 2 65 x 50	3.00 x 2.37 76,1 x 60,3	2.50 63,5	1.5 0,7	2.50 63,5	-
3 x 1 80 x 25	3.50 x 1.31 88,9 x 33,4	-	-	2.50 63,5	1.3 0,6
3 x 1-1/4 80 x 32	3.50 x 1.66 88,9 x 42,4	-	-	2.50 63,5	1.3 0,6
3 x 1-1/2 80 x 40	3.50 x 1.90 88,9 x 48,3	2.50 63,5	1.8 0,8	2.50 63,5	-
3 x 2 80 x 50	3.50 x 2.37 88,9 x 60,3	2.50 63,5	1.7 0,8	2.50 63,5	-
3 x 2-1/2 80 x 65	3.50 x 2.87 88,9 x 70,3	2.50 63,5	1.7 0,8	2.50 63,5	-
3 x 76mm 80 x 65	3.50 x 3.00 88,9 x 76,1	2.50 63,5	2.0 0,9	2.50 63,5	-
108mm x 1 100 x 25	4.25 x 1.31 108,0 x 33,4	-	-	3.00 76,2	-
108mm x 1-1/4 100 x 32	4.25 x 1.66 108,0 x 42,4	-	-	3.00 76,2	-
108mm x 1-1/2 100 x 40	4.25 x 1.90 108,0 x 48,3	-	-	3.00 76,2	-
108mm x 2 100 x 50	4.25 x 2.37 108,0 x 60,3	-	-	3.00 76,2	-
108mm x 2-1/2 100 x 65	4.25 x 2.87 108,0 x 73,0	-	-	3.00 76,2	-
108mm x 76mm 100 x 65	4.25 x 3.00 108,0 x 76,1	-	-	3.00 76,2	-
108mm x 3 100 x 80	4.25 x 3.50 108,0 x 88,9	-	-	3.00 76,2	-
108mm x 4 100 x 100	4.25 x 4.50 108,0 x 114,3	-	-	3.00 76,2	-
4 x 1 100 x 25	4.50 x 1.31 114,3 x 33,4	-	-	3.00 76,2	2.9 1,1
4 x 1-1/4 100 x 32	4.50 x 1.66 114,3 x 42,4	-	-	3.00 76,2	2.2 1,0
4 x 1-1/2 100 x 40	4.50 x 1.90 114,3 x 48,3	-	-	3.00 76,2	2.3 1,0
4 x 2 100 x 50	4.50 x 2.37 114,3 x 60,3	3.00 76,2	2.4 1,1	3.00 76,2	-
4 x 2-1/2 100 x 65	4.50 x 2.87 114,3 x 73,0	3.00 76,2	2.7 1,2	3.00 76,2	-
4 x 76mm 100 x 65	4.50 x 3.00 114,3 x 76,1	3.00 76,2	3.2 1,5	3.00 76,2	-

Figures 250 & 350 Concentric Reducers

 Figure 250
 Concentric Reducer Cast

 Figure 350
 Concentric Reducer Fabricated


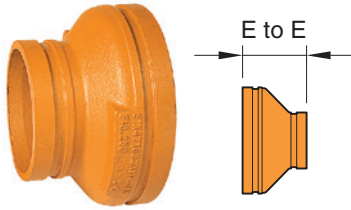
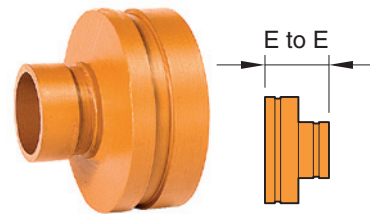
Pipe Size		Figure 250 - Cast		Figure 350 - Fabricated	
Nominal Inches mm	O.D. Inches mm	E to E Inches mm	Approx. Weight Lbs. kg	E to E Inches mm	Approx. Weight Lbs. kg
4 x 3 100 x 80	4.50 x 3.50 114,3 x 88,9	3.00 76,2	2.8 1,3	3.00 76,2	-
133mm x 2 125 x 50	5.25 x 2.37 133,0 x 60,3	-	-	3.50 88,9	-
133mm x 2-1/2 125 x 65	5.25 x 2.87 133,0 x 73,0	-	-	3.50 88,9	-
133mm x 76mm 125 x 65	5.25 x 3.00 133,0 x 76,1	-	-	3.50 88,9	-
133mm x 3 125 x 80	5.25 x 3.50 133,0 x 88,9	-	-	3.50 88,9	-
133mm x 108mm 125 x 100	5.25 x 4.25 133,0 x 108,0	-	-	3.50 88,9	-
133mm x 4 125 x 100	5.25 x 4.50 133,0 x 114,3	-	-	3.50 88,9	-
139mm x 2 125 x 50	5.50 x 2.37 139,7 x 60,3	-	-	3.50 88,9	-
139mm x 2-1/2 125 x 65	5.50 x 2.87 139,7 x 73,0	-	-	3.50 88,9	-
139mm x 76mm 125 x 65	5.50 x 3.00 139,7 x 76,1	-	-	3.50 88,9	-
139mm x 3 125 x 80	5.50 x 3.50 139,7 x 88,9	3.50 88,9	4.2 1,9	3.50 88,9	-
139mm x 4 125 x 100	5.50 x 4.50 139,7 x 114,3	3.50 88,9	4.4 2,0	3.50 88,9	-
5 x 2 125 x 50	5.56 x 2.37 141,3 x 60,3	-	-	3.50 88,9	4.6 2,1
5 x 2-1/2 125 x 65	5.56 x 2.87 141,3 x 73,0	-	-	3.50 88,9	4.5 2,0
5 x 76mm 125 x 65	5.56 x 3.00 141,3 x 76,1	-	-	3.50 88,9	-
5 x 3 125 x 80	5.56 x 3.50 141,3 x 88,9	3.50 88,9	4.2 1,9	3.50 88,9	-
5 x 108mm 125 x 100	5.56 x 4.25 141,3 x 108,0	-	-	3.50 88,9	-
5 x 4 125 x 100	5.56 x 4.50 141,3 x 114,3	3.50 88,9	4.4 2,0	3.50 88,9	-
5 x 139mm 125 x 125	5.56 x 5.50 141,3 x 139,7	-	-	3.50 88,9	-
159mm x 3 150 x 80	6.25 x 3.50 159,0 x 88,9	-	-	4.00 101,6	-
159mm x 108mm 150 x 108	6.25 x 4.25 159,0 x 108,0	-	-	4.00 101,6	-
159mm x 4 150 x 100	6.25 x 4.50 159,0 x 114,3	-	-	4.00 101,6	-
159mm x 133mm 150 x 125	6.25 x 5.25 159,0 x 133,0	-	-	4.00 101,6	-

Figures 250 & 350 Concentric Reducers

 Figure 250
 Concentric Reducer Cast

 Figure 350
 Concentric Reducer Fabricated


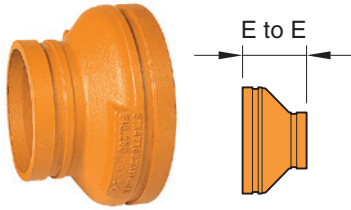
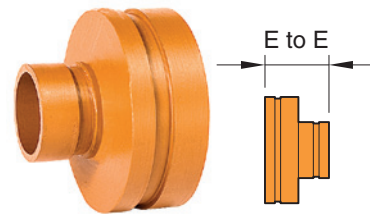
Pipe Size		Figure 250 - Cast		Figure 350 - Fabricated	
Nominal Inches mm	O.D. Inches mm	E to E Inches mm	Approx. Weight Lbs. kg	E to E Inches mm	Approx. Weight Lbs. kg
159mm x 139mm	6.25 x 5.50	-	-	4.00	-
150 x 125	159,0 x 139,7			101,6	
165mm x 3	6.50 x 3.50	4.00	5.5	4.00	-
150 x 80	165,1 x 88,9	101,6	2,5	101,6	
165mm x 4	6.50 x 4.50	4.00	6.0	4.00	-
150 x 100	165,1 x 114,3	101,6	2,7	101,6	
165mm x 139mm	6.50 x 5.50	4.00	5.6	4.00	-
150 x 125	165,1 x 139,7	101,6	2,5	101,6	
165mm x 5	6.50 x 5.56	-	-	4.00	-
150 x 125	165,1 x 141,3			101,6	
6 x 2	6.63 x 2.37	4.00	5.3	4.00	-
150 x 50	168,3 x 60,3	101,6	2,4	101,6	
6 x 2-1/2	6.63 x 2.87	4.00	5.7	4.00	-
150 x 65	168,3 x 73,0	101,6	2,6	101,6	
6 x 76mm	6.63 x 3.00	4.00	6.1	4.00	-
150 x 65	168,3 x 76,1	101,6	2,7	101,6	
6 x 3	6.63 x 3.50	4.00	5.8	4.00	-
150 x 80	168,3 x 88,9	101,6	2,6	101,6	
6 x 108mm	6.63 x 4.25	-	-	4.00	-
150 x 100	168,3 x 108,0			101,6	
6 x 4	6.63 x 4.50	4.00	6.0	4.00	-
150 x 100	168,3 x 114,3	101,6	2,7	101,6	
6 x 133mm	6.63 x 5.25	-	-	4.00	-
150 x 125	168,3 x 133,0			101,6	
6 x 139mm	6.63 x 5.50	4.00	6.3	4.00	-
150 x 100	168,3 x 139,7	101,6	2,3	101,6	
6 x 5	6.63 x 5.56	4.00	6.2	4.00	-
150 x 125	168,3 x 141,3	101,6	2,8	101,6	
216mm x 2-1/2	8.52 x 2.87	-	-	5.00	-
200 x 65	216,3 x 73,0			127,0	
216mm x 3	8.52 x 3.50	-	-	5.00	-
200 x 80	216,3 x 88,9			127,0	
216mm x 4	8.52 x 4.50	-	-	5.00	-
200 x 100	216,3 x 114,3			127,0	
216mm x 139mm	8.52 x 5.50	-	-	5.00	-
200 x 125	216,3 x 139,7			127,0	
216mm x 5	8.52 x 5.56	-	-	5.00	-
200 x 125	216,3 x 141,3			127,0	
216mm x 165mm	8.52 x 6.50	-	-	5.00	-
200 x 165	216,3 x 165,1			127,0	
216mm x 6	8.52 x 6.63	-	-	5.00	-
200 x 150	216,3 x 168,3			127,0	
8 x 2-1/2	8.63 x 2.87	-	-	5.00	-
200 x 65	219,1 x 73,0			127,0	
8 x 3	8.63 x 3.50	5.00	11.5	5.00	-
200 x 80	219,1 x 88,9	127,0	5,2	127,0	

Figures 250 & 350 Concentric Reducers

 Figure 250
 Concentric Reducer Cast

 Figure 350
 Concentric Reducer Fabricated


Pipe Size		Figure 250 - Cast		Figure 350 - Fabricated	
Nominal Inches mm	O. D. Inches mm	E to E Inches mm	Approx. Weight Lbs. kg	E to E Inches mm	Approx. Weight Lbs. kg
8 x 4	8.63 x 4.50	5.00	10.7	5.00	-
200 x 100	219,1 x 114,3	127,0	4,9	127,0	
8 x 133mm	8.63 x 5.25	-	-	5.00	-
200 x 125	219,1 x 133,0			127,0	
8 x 139mm	8.63 x 5.50	5.00	10.0	5.00	-
200 x 125	219,1 x 139,7	127,0	4,5	127,0	
8 x 5	8.63 x 5.56	5.00	10.8	5.00	-
200 x 125	219,1 x 141,3	127,0	4,9	127,0	
8 x 159mm	8.63 x 6.25	-	-	5.00	-
200 x 150	219,1 x 159,0			127,0	
8 x 165mm	8.63 x 6.50	5.00	11.0	5.00	-
200 x 150	219,1 x 165,1	127,0	5,0	127,0	
8 x 6	8.63 x 6.63	5.00	11.3	5.00	-
200 x 150	219,1 x 168,3	127,0	5,1	127,0	
267mm x 4	10.53 x 4.50	-	-	6.00	-
250 x 100	267,4 x 114,3			152,4	
267mm x 5	10.53 x 5.56	-	-	6.00	-
250 x 125	267,4 x 141,3			152,4	
267mm x 165mm	10.53 x 6.50	-	-	6.00	-
250 x 125	267,4 x 165,1			152,4	
267mm x 6	10.53 x 6.63	-	-	6.00	-
250 x 150	267,4 x 168,3			152,4	
267mm x 216mm	10.53 x 8.52	-	-	6.00	-
250 x 216	267,4 x 216,3			152,4	
267mm x 8	10.53 x 8.63	-	-	6.00	-
250 x 200	267,4 x 219,1			152,4	
10 x 4	10.75 x 4.50	-	-	6.00	20.5
250 x 100	273,0 x 114,3			152,4	9,3
10 x 5	10.75 x 5.56	-	-	6.00	20.1
250 x 125	273,0 x 141,3			152,4	9,1
10 x 159mm	10.75 x 6.25	-	-	6.00	-
250 x 125	273,0 x 159,0			152,4	
10 x 165mm	10.75 x 6.50	6.00	17.8	6.00	-
250 x 150	273,0 x 165,1	152,4	8,0	152,4	
10 x 6	10.75 x 6.63	6.00	16.3	6.00	-
250 x 150	273,0 x 168,3	152,4	7,4	152,4	
10 x 216mm	10.75 x 8.52	-	-	6.00	-
250 x 200	273,0 x 216,3			152,4	
10 x 8	10.75 x 8.63	6.00	18.3	6.00	-
250 x 200	273,0 x 219,1	152,4	8,3	152,4	
318mm x 4	12.54 x 4.50	-	-	7.00	-
300 x 100	318,5 x 114,3			177,8	
318mm x 6	12.54 x 6.63	-	-	7.00	-
300 x 150	318,5 x 168,3			177,8	
318mm x 216mm	12.54 x 8.52	-	-	7.00	-
300 x 200	318,5 x 216,3			177,8	

Figures 250 & 350 Concentric Reducers

 Figure 250
 Concentric Reducer Cast

 Figure 350
 Concentric Reducer Fabricated


Pipe Size		Figure 250 - Cast		Figure 350 - Fabricated	
Nominal Inches mm	O.D. Inches mm	E to E Inches mm	Approx. Weight Lbs. kg	E to E Inches mm	Approx. Weight Lbs. kg
318mm x 8	12.54 x 8.63	-	-	7.00	-
300 x 200	318,5 x 219,1			177,8	
318mm x 267mm	12.54 x 10.53	-	-	7.00	-
300 x 250	318,5 x 267,4			177,8	
318mm x 10	12.54 x 10.75	-	-	7.00	-
300 x 250	318,5 x 273,0			177,8	
12 x 4	12.75 x 4.50	7.00	22.7	7.00	-
300 x 100	323,9 x 114,3	177,8	10,3	177,8	
12 x 6	12.75 x 6.63	7.00	24.2	7.00	-
300 x 150	323,9 x 168,3	177,8	11,0	177,8	
12 x 216mm	12.75 x 8.52	-	-	7.00	-
300 x 200	323,9 x 216,3			177,8	
12 x 8	12.75 x 8.63	7.00	25.8	7.00	-
300 x 200	323,9 x 219,1	177,8	11,7	177,8	
12 x 267mm	12.75 x 10.53	-	-	7.00	-
300 x 250	323,9 x 267,4			177,8	
12 x 10	12.75 x 10.75	7.00	28.2	7.00	-
300 x 250	323,9 x 273,0	177,8	12,8	177,8	
14 x 6	14.00 x 6.63	-	-	13.00	54.3
350 x 150	355,6 x 168,3			330,2	24,6
14 x 8	14.00 x 8.63	-	-	13.00	54.5
350 x 200	355,6 x 219,1			330,2	24,7
14 x 267mm	14.00 x 10.53	-	-	13.00	-
350 x 250	355,6 x 267,4			330,2	
14 x 10	14.00 x 10.75	-	-	13.00	55.8
350 x 250	355,6 x 273,0			330,2	25,3
14 x 318mm	14.00 x 12.54	-	-	13.00	-
350 x 300	355,6 x 318,5			330,2	
14 x 12	14.00 x 12.75	-	-	13.00	57.3
350 x 300	355,6 x 323,9			330,2	26,0
377mm x 6	14.84 x 6.63	-	-	13.50	-
350 x 150	377,0 x 168,3			342,9	
377mm x 216mm	14.84 x 10.53	-	-	13.50	-
350 x 250	377,0 x 267,4			342,9	
377mm x 8	14.84 x 8.63	-	-	13.50	-
350 x 200	377,0 x 219,1			342,9	
377mm x 267mm	14.84 x 10.53	-	-	13.50	-
350 x 250	377,0 x 267,4			342,9	
377mm x 10	14.84 x 10.75	-	-	13.50	-
350 x 250	377,0 x 273,0			342,9	
377mm x 318mm	14.84 x 12.54	-	-	13.50	-
350 x 300	377,0 x 318,5			342,9	
377mm x 12	14.84 x 12.75	-	-	13.50	-
350 x 300	377,0 x 323,9			342,9	
16 x 8	16.00 x 8.63	-	-	14.00	65.4
400 x 200	406,4 x 219,1			355,6	29,7

Figures 250 & 350 Concentric Reducers

Figure 250
Concentric Reducer Cast

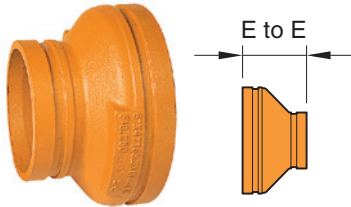
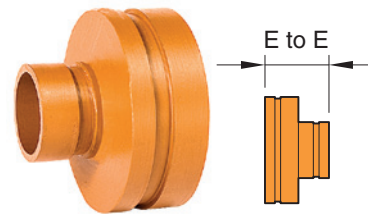


Figure 350
Concentric Reducer Fabricated



Pipe Size		Figure 250 - Cast		Figure 350 - Fabricated	
Nominal Inches mm	O.D. Inches mm	E to E Inches mm	Approx. Weight Lbs. kg	E to E Inches mm	Approx. Weight Lbs. kg
16 x 267mm 400 x 250	16.00 x 10.53 406,4 x 267,4	-	-	14.00 355,6	-
16 x 10 400 x 250	16.00 x 10.75 406,4 x 273,0	-	-	14.00 355,6	66.7 30,2
16 x 318mm 400 x 300	16.00 x 12.54 406,4 x 318,5	-	-	14.00 355,6	-
16 x 12 400 x 300	16.00 x 12.75 406,4 x 323,9	-	-	14.00 355,6	68.1 30,9
16 x 14 400 x 350	16.00 x 14.00 406,4 x 355,6	-	-	14.00 355,6	71.0 32,2
18 x 12 450 x 300	18.00 x 12.75 457,2 x 323,9	-	-	15.00 381,0	83.6 37,9
18 x 14 450 x 350	18.00 x 14.00 457,2 x 355,6	-	-	15.00 381,0	86.2 39,1
18 x 16 450 x 400	18.00 x 16.00 457,2 x 406,4	-	-	15.00 381,0	87.2 39,6
20 x 10 500 x 250	20.00 x 10.75 508,0 x 273,0	-	-	20.00 508,0	124.7 56,6
20 x 12 500 x 300	20.00 x 12.75 508,0 x 323,9	-	-	20.00 508,0	124.7 56,6
20 x 14 500 x 350	20.00 x 14.00 508,0 x 355,6	-	-	20.00 508,0	129.0 58,5
20 x 16 500 x 400	20.00 x 16.00 508,0 x 406,4	-	-	20.00 508,0	131.1 59,5
20 x 18 500 x 450	20.00 x 18.00 508,0 x 457,2	-	-	20.00 508,0	133.4 60,5
24 x 10 600 x 250	24.00 x 10.75 609,6 x 273,0	-	-	20.00 508,0	149.1 67,6
24 x 12 600 x 300	24.00 x 12.75 609,6 x 323,9	-	-	20.00 508,0	150.4 68,2
24 x 14 600 x 350	24.00 x 14.00 609,6 x 355,6	-	-	20.00 508,0	151.6 68,8
24 x 16 600 x 400	24.00 x 16.00 609,6 x 406,4	-	-	20.00 508,0	152.8 69,3
24 x 18 600 x 450	24.00 x 18.00 609,6 x 457,2	-	-	20.00 508,0	154.1 69,9
24 x 20 600 x 500	24.00 x 20.00 609,6 x 508,0	-	-	20.00 508,0	155.5 70,5

► Sizes are available to JIS standards. Contact GRINNELL Mechanical Products for details.
For information on larger sizes, contact GRINNELL Mechanical Products.
See page 39 for fitting specifications.