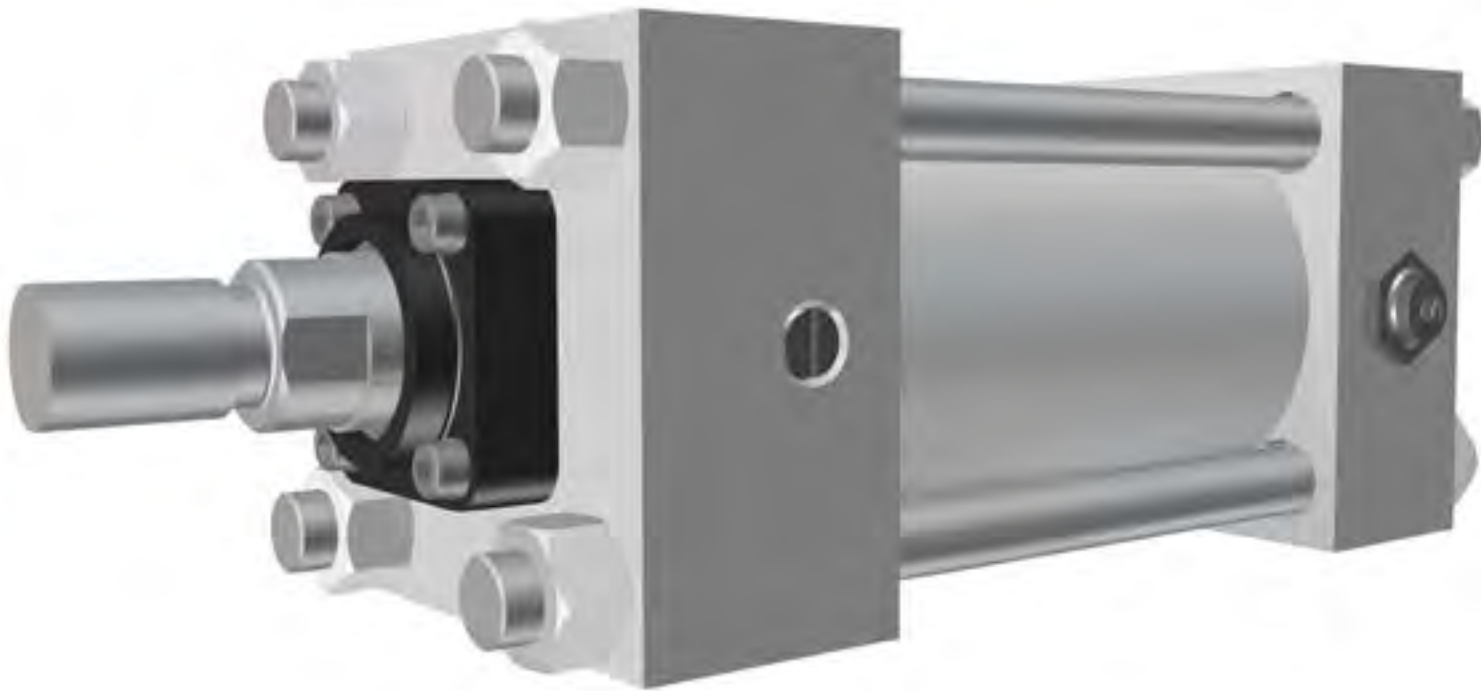


Class 6

Intermediate Pressure Square-Head Cylinders



HOW TO ORDER

YOU CAN HELP ENSURE PROMPT PROCESSING OF YOUR ORDER BY INCLUDING ALL OF THE FOLLOWING REQUESTED INFORMATION:

- Quantity required.
- Operating medium: Series P6 or H6.
P for pneumatic and H for hydraulic.
- Bore size.
- Stroke length in inches.
- Type of mounting (NOPAK Model or NFPA STD. style).
- Type of cushioning:
 NN = non-cushioned
 NA = cushioned blind end
 AN = cushioned rod end
 AA = cushioned both ends
- Piston rod diameter and type of rod threading - specify Type 1, 3, 4, 5, 6 or 7. See page 130.

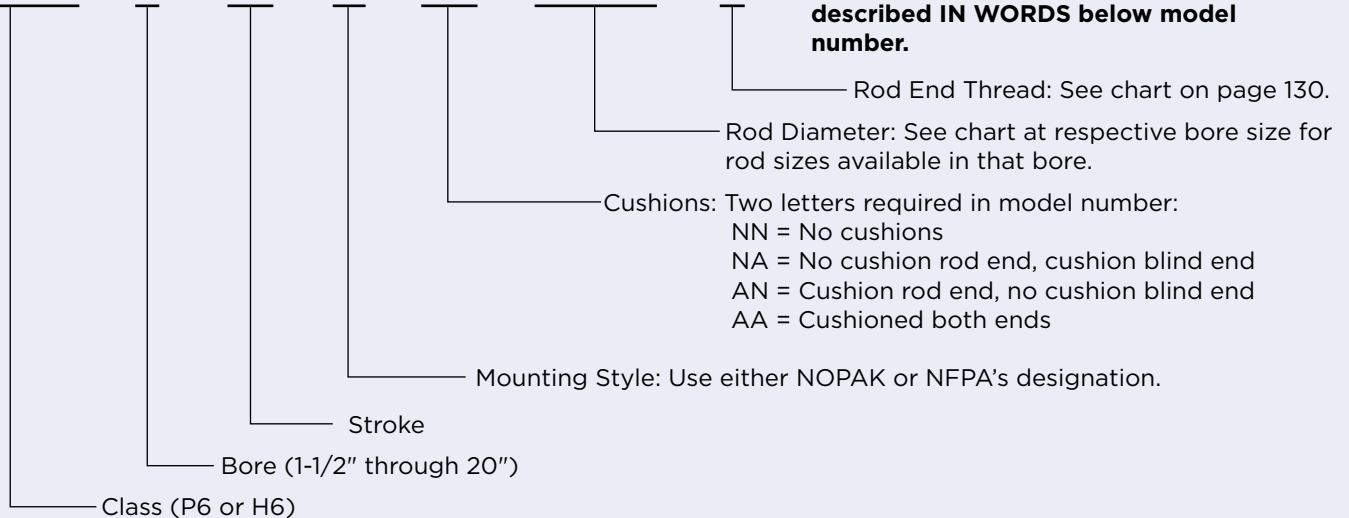
ALSO SPECIFY:

- Position of cylinder ports and cushion adjustment screws, if other than standard. Standard positions are:
 National pipe thread inlets - position 1
 Ball check - position 2
 Cushion adjustment - position 4
- Extreme high or low operating or ambient temperatures.
- Type of hydraulic fluid if other than standard petroleum base oil.
- Any unusual operating conditions.

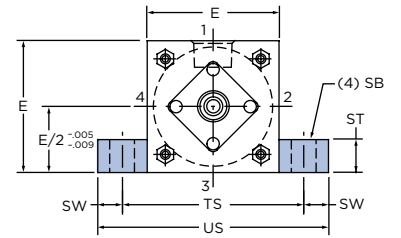
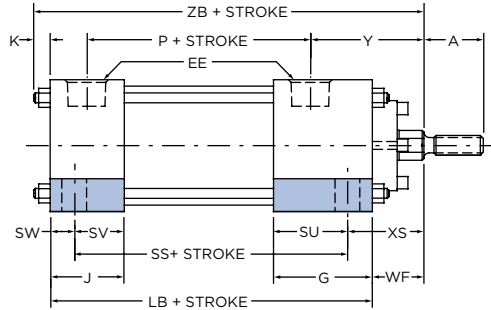
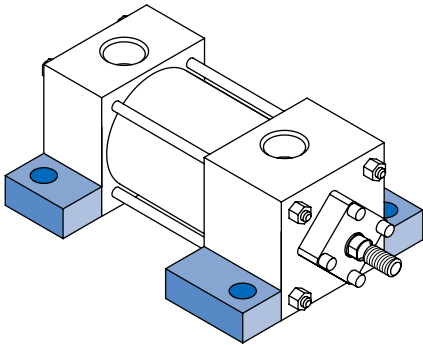
ORDERING CODE EXAMPLE

CLP6 - 8 x 18 - A - ΔΔ - 1-3/8 - 4

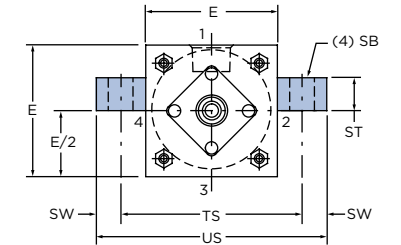
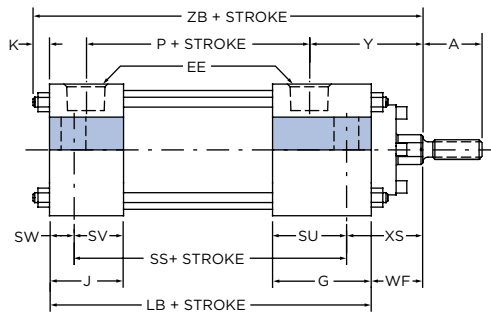
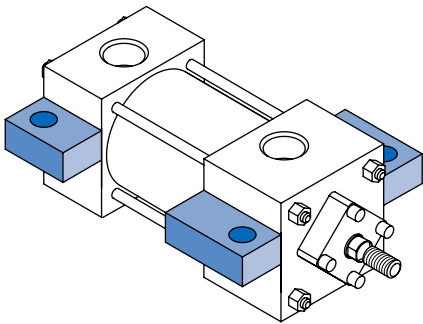
Any special requirements should be described IN WORDS below model number.



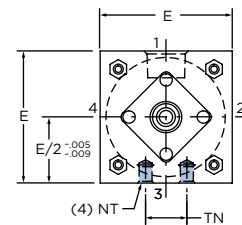
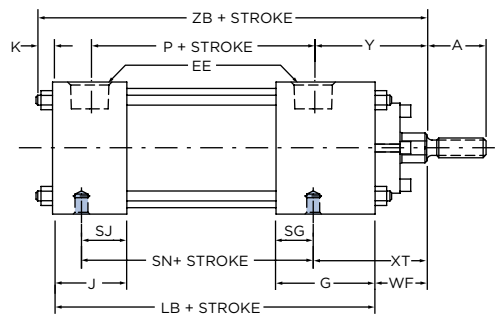
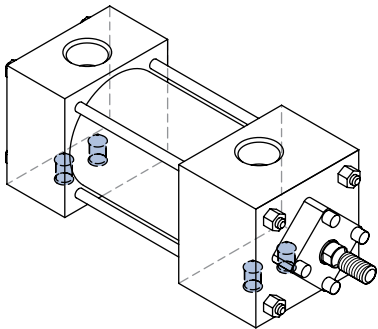
MODEL A (NFPA STD. MS2) ▲



MODEL B (NFPA STD. MS3) ▲



MODEL S (NFPA STD. MS4) ▲



▲ = See Table A on page 125 for bore and rod combinations using head plates with threaded bronze glands.

SIDE AND LUG MOUNT CYLINDERS

1-1/2" THROUGH 6" BORE

Table 1 These dimensions are constant regardless of rod diameter or stroke.

For double rod end cylinders Model A and B 1-1/2" through 6" bore: add 1/2" to dimension SS. See pages 126-129.

Double rod end models are designated by letter "X" preceding the model identification. See page 126.

• = Dimensions refer to bolt diameter.

BORE DIA.	E	G	J	K	EE	NT	SB•	SG	SJ	ST	SU	SV	SW	TN	TS	US
1-1/2	2	1-1/2	1-1/8	1/4	3/8	1/4-20	3/8	9/16	11/16	1/2	1-1/8	3/4	3/8	5/8	2-3/4	3-1/2
2	2-1/2	1-1/2	1-1/8	3/8	3/8	5/16-18	3/8	9/16	11/16	1/2	1-1/8	3/4	3/8	7/8	3-1/4	4
2-1/2	3	1-1/2	1-1/8	3/8	3/8	3/8-16	3/8	9/16	11/16	1/2	1-1/8	3/4	3/8	1-1/4	3-3/4	4-1/2
3-1/4	3-3/4	1-3/4	1-1/4	7/16	1/2	1/2-13	1/2	11/16	11/16	3/4	1-1/4	3/4	1/2	1-1/2	4-3/4	5-3/4
4	4-1/2	1-3/4	1-1/4	7/16	1/2	1/2-13	1/2	11/16	11/16	3/4	1-1/4	3/4	1/2	2-1/16	5-1/2	6-1/2
5	5-1/2	1-3/4	1-1/4	1/2	1/2	5/8-11	3/4	11/16	11/16	1	1-1/16	9/16	1-1/16	2-11/16	6-7/8	8-1/4
6	6-1/2	2	1-1/2	9/16	3/4	3/4-10	3/4	13/16	13/16	1	1-5/16	13/16	1-1/16	3-1/4	7-7/8	9-1/4

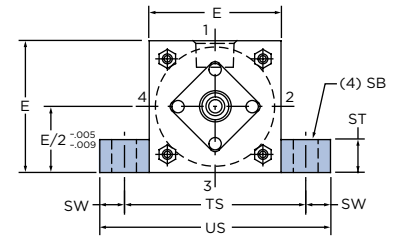
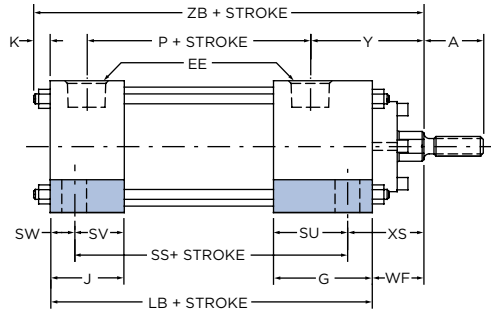
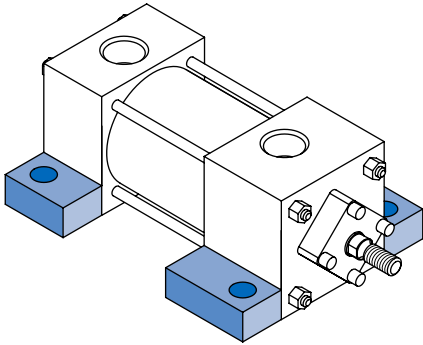
Table 2 The dimensions given on this table are affected by the piston rod diameter and the stroke.

For double rod end cylinders Model S 1-1/2" through 2-1/2" bore: add 0.13" to dimension SN. See pages 126-129.

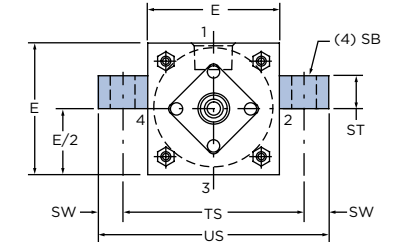
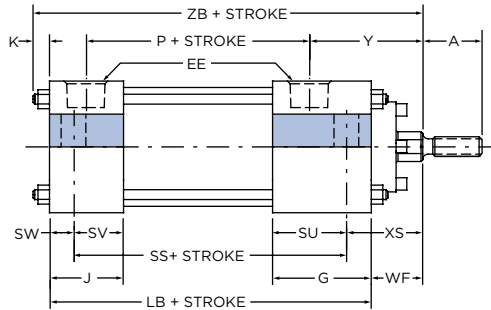
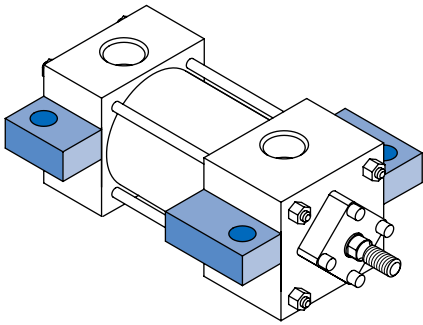
• = For piston rod dimensions see page 130.

BORE DIA.	ROD MM•	A	P	Y	LB	SN	SS	WF	XS	XT	ZB
1-1/2	5/8	3/4	2-1/8	1-15/16	3-5/8	2-1/4	2-7/8	1	1-3/8	1-15/16	4-7/8
	1	1-1/8	2-1/8	2-5/16	3-5/8	2-1/4	2-7/8	1-3/8	1-3/4	2-5/16	5-1/4
2	5/8	3/4	2-1/8	1-15/16	3-5/8	2-1/4	2-7/8	1	1-3/8	1-15/16	5
	1	1-1/8	2-1/8	2-5/16	3-5/8	2-1/4	2-7/8	1-3/8	1-3/4	2-5/16	5-3/8
	1-3/8	1-5/8	2-1/8	2-9/16	3-5/8	2-1/4	2-7/8	1-5/8	2	2-9/16	5-11/16
2-1/2	5/8	3/4	2-1/4	1-15/16	3-3/4	2-3/8	3	1	1-3/8	1-15/16	5-1/16
	1	1-1/8	2-1/4	2-5/16	3-3/4	2-3/8	3	1-3/8	1-3/4	2-5/16	5-7/16
	1-3/8	1-5/8	2-1/4	2-9/16	3-3/4	2-3/8	3	1-5/8	2	2-9/16	5-11/16
	1-3/4	2	2-1/4	2-13/16	3-3/4	2-3/8	3	1-7/8	2-1/4	2-13/16	5-15/16
3-1/4	1	1-1/8	2-1/2	2-1/2	4-1/4	2-5/8	3-1/4	1-3/8	1-7/8	2-7/16	6-1/16
	1-3/8	1-5/8	2-1/2	2-3/4	4-1/4	2-5/8	3-1/4	1-5/8	2-1/8	2-11/16	6-5/16
	1-3/4	2	2-1/2	3	4-1/4	2-5/8	3-1/4	1-7/8	2-3/8	2-15/16	6-9/16
	2	2-1/4	2-1/2	3-1/8	4-1/4	2-5/8	3-1/4	2	2-1/2	3-1/16	6-11/16
4	1	1-1/8	2-1/2	2-1/2	4-1/4	2-5/8	3-1/4	1-3/8	1-7/8	2-7/16	6-1/16
	1-3/8	1-5/8	2-1/2	2-3/4	4-1/4	2-5/8	3-1/4	1-5/8	2-1/8	2-11/16	6-5/16
	1-3/4	2	2-1/2	3	4-1/4	2-5/8	3-1/4	1-7/8	2-3/8	2-15/16	6-9/16
	2	2-1/4	2-1/2	3-1/8	4-1/4	2-5/8	3-1/4	2	2-1/2	3-1/16	6-11/16
	2-1/2	3	2-1/2	3-3/8	4-1/4	2-5/8	3-1/4	2-1/4	2-3/4	3-5/16	6-15/16
5	1	1-1/8	2-3/4	2-1/2	4-1/2	2-7/8	3-1/8	1-3/8	2-1/16	2-7/16	6-3/8
	1-3/8	1-5/8	2-3/4	2-3/4	4-1/2	2-7/8	3-1/8	1-5/8	2-5/16	2-11/16	6-5/8
	1-3/4	2	2-3/4	3	4-1/2	2-7/8	3-1/8	1-7/8	2-9/16	2-15/16	6-7/8
	2	2-1/4	2-3/4	3-1/8	4-1/2	2-7/8	3-1/8	2	2-11/16	3-1/16	7
	2-1/2	3	2-3/4	3-3/8	4-1/2	2-7/8	3-1/8	2-1/4	2-15/16	3-5/16	7-1/4
	3	3-1/2	2-3/4	3-3/8	4-1/2	2-7/8	3-1/8	2-1/4	2-15/16	3-5/16	7-1/4
	3-1/2	3-1/2	2-3/4	3-3/8	4-1/2	2-7/8	3-1/8	2-1/4	2-15/16	3-5/16	7-1/4
6	1-3/8	1-5/8	3-1/8	2-13/16	5	3-1/8	3-5/8	1-5/8	2-5/16	2-13/16	7-3/16
	1-3/4	2	3-1/8	3-1/16	5	3-1/8	3-5/8	1-7/8	2-9/16	3-1/16	7-7/16
	2	2-1/4	3-1/8	3-3/16	5	3-1/8	3-5/8	2	2-11/16	3-3/16	7-9/16
	2-1/2	3	3-1/8	3-7/16	5	3-1/8	3-5/8	2-1/4	2-15/16	3-7/16	7-13/16
	3	3-1/2	3-1/8	3-7/16	5	3-1/8	3-5/8	2-1/4	2-15/16	3-7/16	7-13/16
	3-1/2	3-1/2	3-1/8	3-7/16	5	3-1/8	3-5/8	2-1/4	2-15/16	3-7/16	7-13/16
	4	4	3-1/8	3-7/16	5	3-1/8	3-5/8	2-1/4	2-15/16	3-7/16	7-13/16

MODEL A (NFPA STD. MS2)



MODEL B (NFPA STD. MS3)



MODEL S (NFPA STD. MS4)

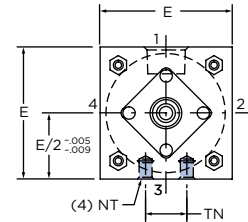
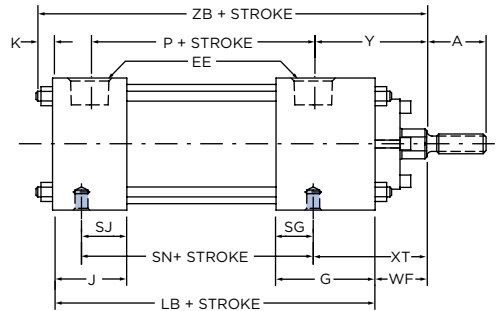
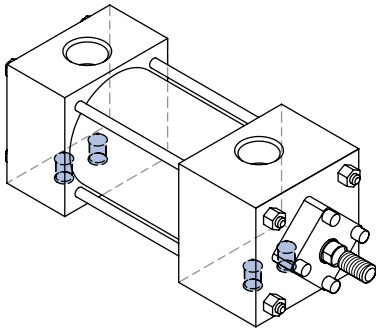


Table 1 These dimensions are constant regardless of rod diameter or stroke.

For double rod end cylinders Model A and B 8" through 14" bore: subtract dimension SV from dimension SS and add dimension SU. See pages 126-129. Double rod end models are designated by letter "X" preceding the model identification. See page 126.

• = Dimensions refer to bolt diameter.

BORE DIA.	E	G	J	K	EE	NT	SB•	SG	SJ	ST	SU	SV	SW	TN	TS	US
8	8-1/2	2	1-1/2	5/8	3/4	3/4-10	3/4	13/16	13/16	1	1-5/16	13/16	11/16	4-1/2	9-7/8	11-1/4
10	10-5/8	2-1/4	2	3/4	1	1-8	1	1	1	1-1/4	1-3/8	1-1/8	7/8	5-1/2	12-3/8	14-1/8
12	12-3/4	2-1/4	2	3/4	1	1-8	1	1	1	1-1/4	1-3/8	1-1/8	7/8	7-1/4	14-1/2	16-1/4
14	14-3/4	2-3/4	2-1/4	7/8	1-1/4	1-1/4-7	1-1/4	1-3/16	1-3/16	1-1/2	1-5/8	1-1/8	1-1/8	8-3/8	17	19-1/4
16	17-1/2	3	3	1	1-1/2	1-3/4-12	1-3/4	1-9/16	1-11/16	2	1-1/4	1-1/4	1-5/8	7	21	24-1/4
18	19-1/2	3-7/16	3-7/16	1-1/8	1-1/2	2-12	2	1-3/4	1-7/8	2-1/2	1-7/16	1-7/16	2	8	23-1/2	27-1/2
20	21-3/4	3-15/16	3-15/16	1-1/4	2	2-1/4-12	2-1/4	2	1-7/8	3	1-9/16	1-9/16	2-3/8	8-1/2	26-1/2	31-1/4

SIDE AND LUG MOUNT CYLINDERS

8" THROUGH 20" BORE

Table 2 The dimensions given on this table are affected by the piston rod diameter and the stroke.

For double rod end cylinders Model S 16" through 20" bore: subtract dimension SJ from dimension SN and add dimension SG. See pages 126-129.
• = For piston rod dimensions see page 130.

BORE DIA.	ROD MM•	A	P	Y	LB	SN	SS	WF	XS	XT	ZB
8	1-3/8	1-5/8	3-1/4	2-13/16	5-1/8	3-1/4	3-3/4	1-5/8	2-5/16	2-13/16	7-3/8
	1-3/4	2	3-1/4	3-1/16	5-1/8	3-1/4	3-3/4	1-7/8	2-9/16	3-1/16	7-5/8
	2	2-1/4	3-1/4	3-3/16	5-1/8	3-1/4	3-3/4	2	2-11/16	3-3/16	7-3/4
	2-1/2	3	3-1/4	3-7/16	5-1/8	3-1/4	3-3/4	2-1/4	2-15/16	3-7/16	8
	3	3-1/2	3-1/4	3-7/16	5-1/8	3-1/4	3-3/4	2-1/4	2-15/16	3-7/16	8
	3-1/2	3-1/2	3-1/4	3-7/16	5-1/8	3-1/4	3-3/4	2-1/4	2-15/16	3-7/16	8
	4	4	3-1/4	3-7/16	5-1/8	3-1/4	3-3/4	2-1/4	2-15/16	3-7/16	8
	4-1/2	4-1/2	3-1/4	3-7/16	5-1/8	3-1/4	3-3/4	2-1/4	2-15/16	3-7/16	8
	5	5	3-1/4	3-7/16	5-1/8	3-1/4	3-3/4	2-1/4	2-15/16	3-7/16	8
10	5-1/2	5-1/2	3-1/4	3-7/16	5-1/8	3-1/4	3-3/4	2-1/4	2-15/16	3-7/16	8
	1-3/4	2	4	3-3/16	6-3/8	4-1/8	4-5/8	1-7/8	2-3/4	3-1/8	9
	2	2-1/4	4	3-5/16	6-3/8	4-1/8	4-5/8	2	2-7/8	3-1/4	9-1/8
	2-1/2	3	4	3-9/16	6-3/8	4-1/8	4-5/8	2-1/4	3-1/8	3-1/2	9-3/8
	3	3-1/2	4	3-9/16	6-3/8	4-1/8	4-5/8	2-1/4	3-1/8	3-1/2	9-3/8
	3-1/2	3-1/2	4	3-9/16	6-3/8	4-1/8	4-5/8	2-1/4	3-1/8	3-1/2	9-3/8
	4	4	4	3-9/16	6-3/8	4-1/8	4-5/8	2-1/4	3-1/8	3-1/2	9-3/8
	4-1/2	4-1/2	4	3-9/16	6-3/8	4-1/8	4-5/8	2-1/4	3-1/8	3-1/2	9-3/8
	5	5	4	3-9/16	6-3/8	4-1/8	4-5/8	2-1/4	3-1/8	3-1/2	9-3/8
12	5-1/2	5-1/2	4	3-9/16	6-3/8	4-1/8	4-5/8	2-1/4	3-1/8	3-1/2	9-3/8
	2	2-1/4	4-1/2	3-5/16	6-7/8	4-5/8	5-1/8	2	2-7/8	3-1/4	9-5/8
	2-1/2	3	4-1/2	3-9/16	6-7/8	4-5/8	5-1/8	2-1/4	3-1/8	3-1/2	9-7/8
	3	3-1/2	4-1/2	3-9/16	6-7/8	4-5/8	5-1/8	2-1/4	3-1/8	3-1/2	9-7/8
	3-1/2	3-1/2	4-1/2	3-9/16	6-7/8	4-5/8	5-1/8	2-1/4	3-1/8	3-1/2	9-7/8
	4	4	4-1/2	3-9/16	6-7/8	4-5/8	5-1/8	2-1/4	3-1/8	3-1/2	9-7/8
	4-1/2	4-1/2	4-1/2	3-9/16	6-7/8	4-5/8	5-1/8	2-1/4	3-1/8	3-1/2	9-7/8
	5	5	4-1/2	3-9/16	6-7/8	4-5/8	5-1/8	2-1/4	3-1/8	3-1/2	9-7/8
	5-1/2	5-1/2	4-1/2	3-9/16	6-7/8	4-5/8	5-1/8	2-1/4	3-1/8	3-1/2	9-7/8
14	2-1/2	3	5-1/2	3-13/16	8-1/8	5-1/2	5-7/8	2-1/4	3-3/8	3-13/16	11-1/4
	3	3-1/2	5-1/2	3-13/16	8-1/8	5-1/2	5-7/8	2-1/4	3-3/8	3-13/16	11-1/4
	3-1/2	3-1/2	5-1/2	3-13/16	8-1/8	5-1/2	5-7/8	2-1/4	3-3/8	3-13/16	11-1/4
	4	4	5-1/2	3-13/16	8-1/8	5-1/2	5-7/8	2-1/4	3-3/8	3-13/16	11-1/4
	4-1/2	4-1/2	5-1/2	3-13/16	8-1/8	5-1/2	5-7/8	2-1/4	3-3/8	3-13/16	11-1/4
	5	5	5-1/2	3-13/16	8-1/8	5-1/2	5-7/8	2-1/4	3-3/8	3-13/16	11-1/4
	5-1/2	5-1/2	5-1/2	3-13/16	8-1/8	5-1/2	5-7/8	2-1/4	3-3/8	3-13/16	11-1/4
16	2-1/2	3	5-7/8	3-15/16	9-1/4	6-1/2	5-3/4	2-1/4	4	3-11/16	12-1/2
	3	3-1/2	5-7/8	3-15/16	9-1/4	6-1/2	5-3/4	2-1/4	4	3-11/16	12-1/2
	3-1/2	3-1/2	5-7/8	3-15/16	9-1/4	6-1/2	5-3/4	2-1/4	4	3-11/16	12-1/2
	4	4	5-7/8	3-15/16	9-1/4	6-1/2	5-3/4	2-1/4	4	3-11/16	12-1/2
	4-1/2	4-1/2	5-7/8	3-15/16	9-1/4	6-1/2	5-3/4	2-1/4	4	3-11/16	12-1/2
	5	5	5-7/8	3-15/16	9-1/4	6-1/2	5-3/4	2-1/4	4	3-11/16	12-1/2
	5-1/2	5-1/2	5-7/8	3-15/16	9-1/4	6-1/2	5-3/4	2-1/4	4	3-11/16	12-1/2
18	3-1/2	3-1/2	6	4-3/8	10-1/4	7	6-1/4	2-1/4	4-1/4	3-15/16	13-5/8
	4	4	6	4-3/8	10-1/4	7	6-1/4	2-1/4	4-1/4	3-15/16	13-5/8
	4-1/2	4-1/2	6	4-3/8	10-1/4	7	6-1/4	2-1/4	4-1/4	3-15/16	13-5/8
	5	5	6	4-3/8	10-1/4	7	6-1/4	2-1/4	4-1/4	3-15/16	13-5/8
	5-1/2	5-1/2	6	4-3/8	10-1/4	7	6-1/4	2-1/4	4-1/4	3-15/16	13-5/8
20	4	4	7-1/8	4-9/16	11-3/4	7-3/4	7	2-1/4	4-5/8	4-3/16	15-1/4
	4-1/2	4-1/2	7-1/8	4-9/16	11-3/4	7-3/4	7	2-1/4	4-5/8	4-3/16	15-1/4
	5	5	7-1/8	4-9/16	11-3/4	7-3/4	7	2-1/4	4-5/8	4-3/16	15-1/4
	5-1/2	5-1/2	7-1/8	4-9/16	11-3/4	7-3/4	7	2-1/4	4-5/8	4-3/16	15-1/4