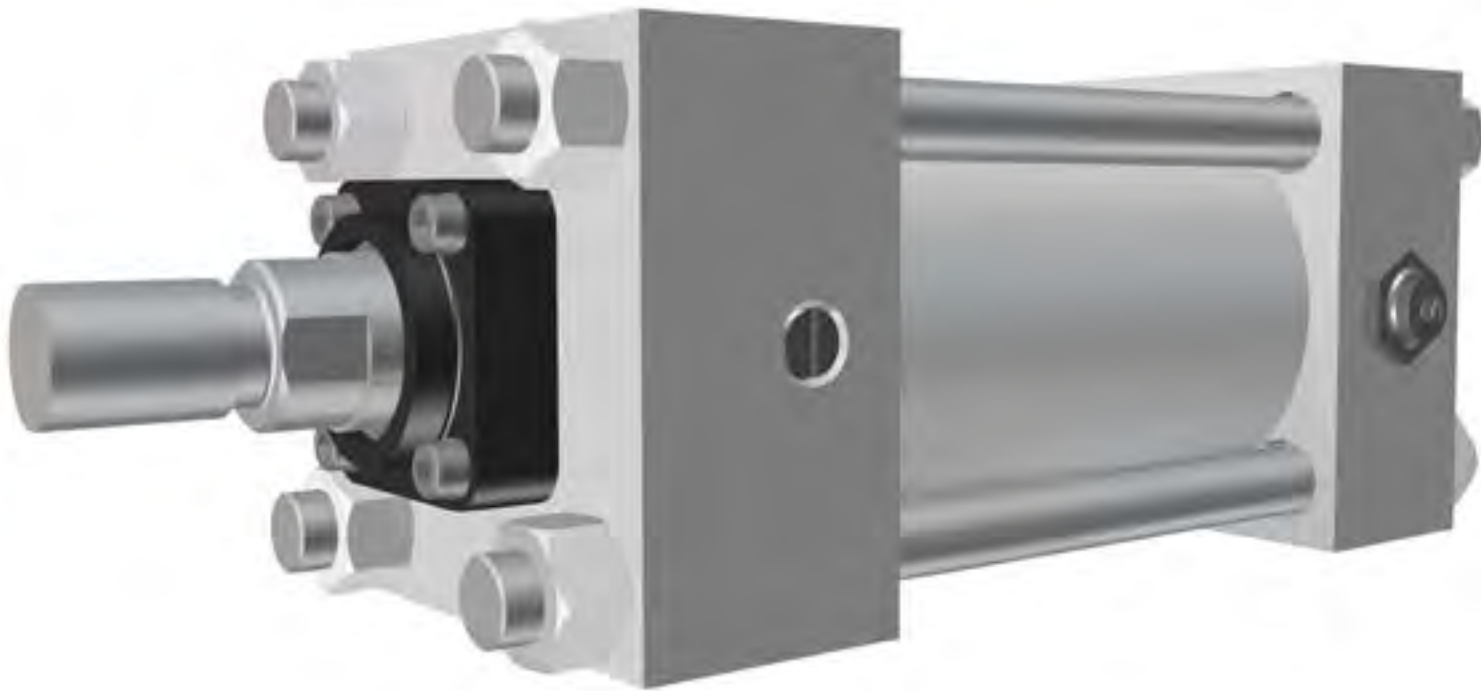


Class 6

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.

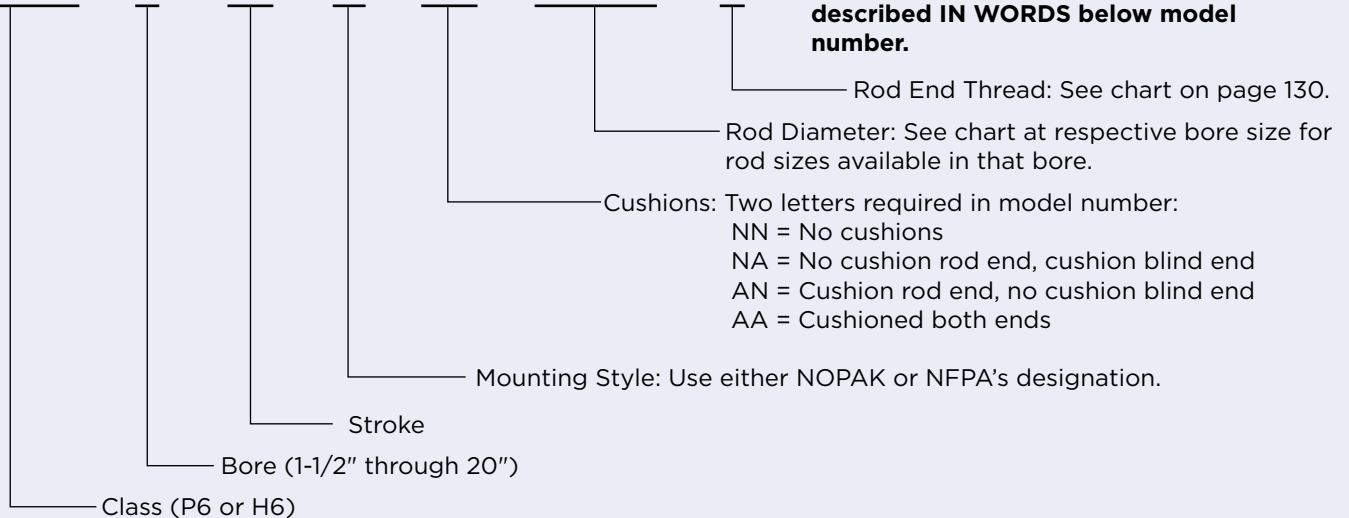
ALSO SPECIFY:

- 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.

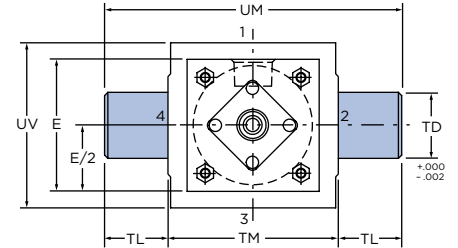
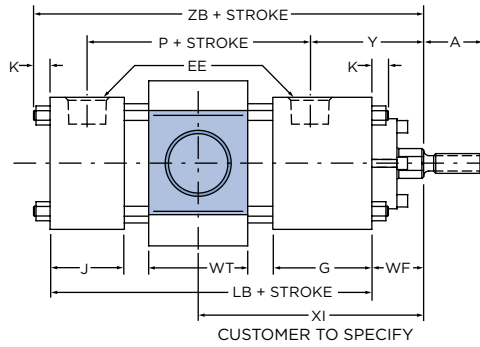
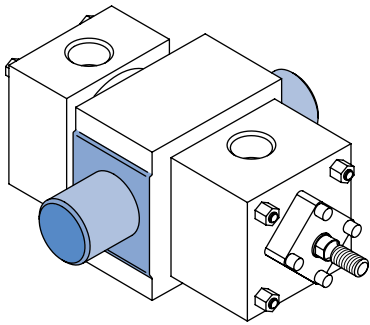
ORDERING CODE EXAMPLE

CLP6 - 8 x 18 - A - ΔΔ - 1-3/8 - 4

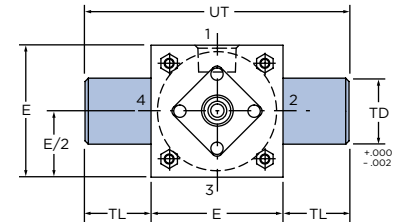
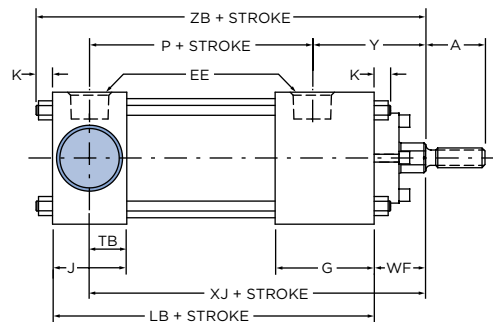
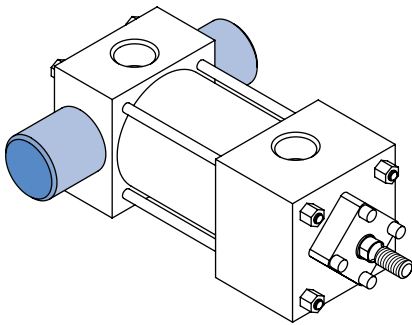
Any special requirements should be described IN WORDS below model number.



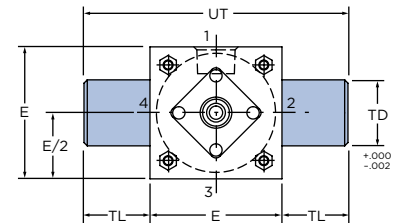
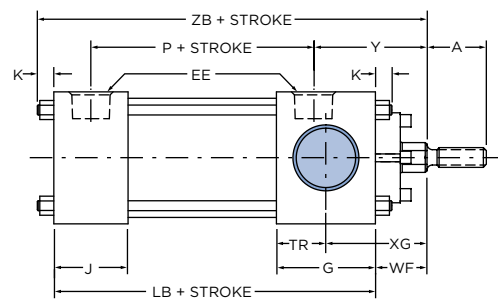
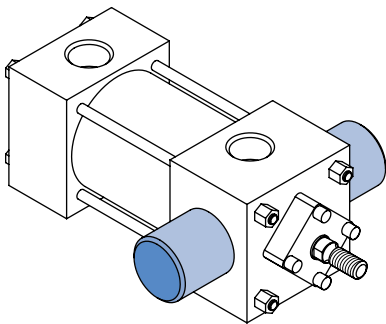
MODEL F (NFPA STD. MT4) ▲



MODEL FB (NFPA STD. MT2) ▲



MODEL FR (NFPA STD. MT1) ▲



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

TRUNNION MOUNT CYLINDERS

1-1/2" THROUGH 6" DIAMETER

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

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

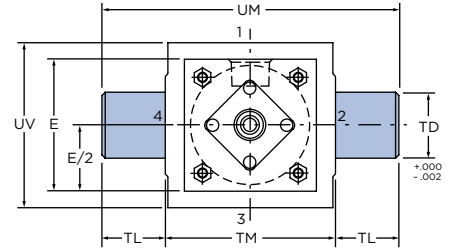
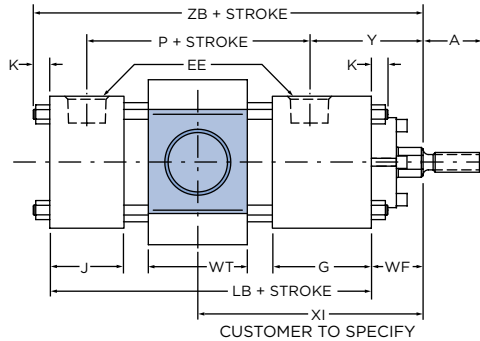
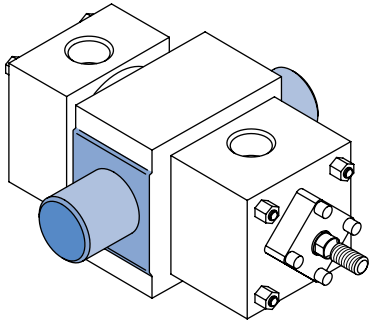
BORE DIA.	E	G	J	K	EE	TB	TD	TL	TM	TR	UM	UT	UV	WT
1-1/2	2	1-1/2	1-1/8	1/4	3/8	9/16	1	1	2-1/2	3/4	4-1/2	4	2-1/2	1-1/2
2	2-1/2	1-1/2	1-1/8	3/8	3/8	9/16	1	1	3	3/4	5	4-1/2	3	1-1/2
2-1/2	3	1-1/2	1-1/8	3/8	3/8	9/16	1	1	3-1/2	3/4	5-1/2	5	3-1/2	1-1/2
3-1/4	3-3/4	1-3/4	1-1/4	7/16	1/2	5/8	1	1	4-1/2	7/8	6-1/2	5-3/4	4-1/2	2
4	4-1/2	1-3/4	1-1/4	7/16	1/2	5/8	1	1	5-1/4	7/8	7-1/4	6-1/2	5	2
5	5-1/2	1-3/4	1-1/4	1/2	1/2	5/8	1	1	6-1/4	7/8	8-1/4	7-1/2	6	2
6	6-1/2	2	1-1/2	9/16	3/4	3/4	1-3/8	1-3/8	7-5/8	1	10-3/8	9-1/4	7	2-1/2

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

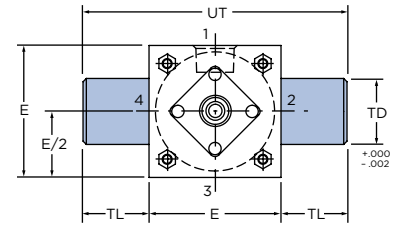
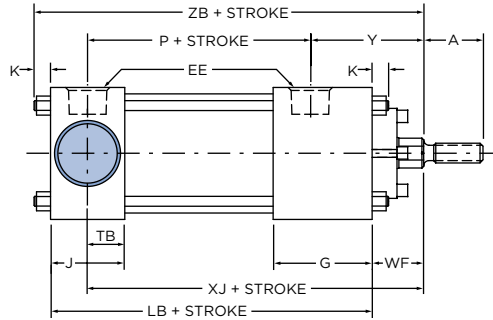
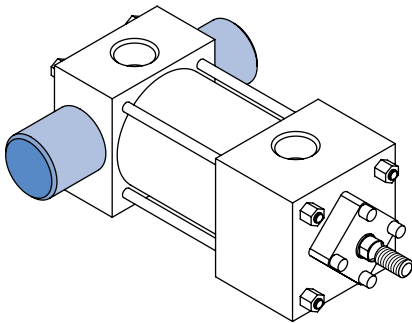
• = For piston rod dimensions see page 130.

BORE DIA.	ROD MM•	A	P	Y	LB	WF	XG	XI (MIN)	XJ	ZB
1-1/2	5/8	3/4	2-1/8	1-15/16	3-5/8	1	1-3/4	3-1/4	4-1/16	4-7/8
	1	1-1/8	2-1/8	2-5/16	3-5/8	1-3/8	2-1/8	3-5/8	4-7/16	5-1/4
2	5/8	3/4	2-1/8	1-15/16	3-5/8	1	1-3/4	3-1/4	4-1/16	5
	1	1-1/8	2-1/8	2-5/16	3-5/8	1-3/8	2-1/8	3-5/8	4-7/16	5-3/8
	1-3/8	1-5/8	2-1/8	2-9/16	3-5/8	1-5/8	2-3/8	3-7/8	4-11/16	5-11/16
2-1/2	5/8	3/4	2-1/4	1-15/16	3-3/4	1	1-3/4	3-1/4	4-3/16	5-1/16
	1	1-1/8	2-1/4	2-5/16	3-3/4	1-3/8	2-1/8	3-5/8	4-9/16	5-7/16
	1-3/8	1-5/8	2-1/4	2-9/16	3-3/4	1-5/8	2-3/8	3-7/8	4-13/16	5-11/16
	1-3/4	2	2-1/4	2-13/16	3-3/4	1-7/8	2-5/8	4-1/8	5-1/16	5-15/16
3-1/4	1	1-1/8	2-1/2	2-1/2	4-1/4	1-3/8	2-1/4	4-1/8	5	6-1/16
	1-3/8	1-5/8	2-1/2	2-3/4	4-1/4	1-5/8	2-1/2	4-3/8	5-1/4	6-5/16
	1-3/4	2	2-1/2	3	4-1/4	1-7/8	2-3/4	4-5/8	5-1/2	6-9/16
	2	2-1/4	2-1/2	3-1/8	4-1/4	2	2-7/8	4-3/4	5-5/8	6-11/16
4	1	1-1/8	2-1/2	2-1/2	4-1/4	1-3/8	2-1/4	4-1/8	5	6-1/16
	1-3/8	1-5/8	2-1/2	2-3/4	4-1/4	1-5/8	2-1/2	4-3/8	5-1/4	6-5/16
	1-3/4	2	2-1/2	3	4-1/4	1-7/8	2-3/4	4-5/8	5-1/2	6-9/16
	2	2-1/4	2-1/2	3-1/8	4-1/4	2	2-7/8	4-3/4	5-5/8	6-11/16
	2-1/2	3	2-1/2	3-3/8	4-1/4	2-1/4	3-1/8	5	5-7/8	6-15/16
5	1	1-1/8	2-3/4	2-1/2	4-1/2	1-3/8	2-1/4	4-1/8	5-1/4	6-3/8
	1-3/8	1-5/8	2-3/4	2-3/4	4-1/2	1-5/8	2-1/2	4-3/8	5-1/2	6-5/8
	1-3/4	2	2-3/4	3	4-1/2	1-7/8	2-3/4	4-5/8	5-3/4	6-7/8
	2	2-1/4	2-3/4	3-1/8	4-1/2	2	2-7/8	4-3/4	5-7/8	7
	2-1/2	3	2-3/4	3-3/8	4-1/2	2-1/4	3-1/8	5	6-1/8	7-1/4
	3	3-1/2	2-3/4	3-3/8	4-1/2	2-1/4	3-1/8	5	6-1/8	7-1/4
	3-1/2	3-1/2	2-3/4	3-3/8	4-1/2	2-1/4	3-1/8	5	6-1/8	7-1/4
6	1-3/8	1-5/8	3-1/8	2-13/16	5	1-5/8	2-5/8	4-7/8	5-7/8	7-3/16
	1-3/4	2	3-1/8	3-1/16	5	1-7/8	2-7/8	5-1/8	6-1/8	7-7/16
	2	2-1/4	3-1/8	3-3/16	5	2	3	5-1/4	6-1/4	7-9/16
	2-1/2	3	3-1/8	3-7/16	5	2-1/4	3-1/4	5-1/2	6-1/2	7-13/16
	3	3-1/2	3-1/8	3-7/16	5	2-1/4	3-1/4	5-1/2	6-1/2	7-13/16
	3-1/2	3-1/2	3-1/8	3-7/16	5	2-1/4	3-1/4	5-1/2	6-1/2	7-13/16
	4	4	3-1/8	3-7/16	5	2-1/4	3-1/4	5-1/2	6-1/2	7-13/16

MODEL F (NFPA STD. MT4) 8" THROUGH 14" DIAMETER



MODEL FB (NFPA STD. MT2) 8" THROUGH 20" DIAMETER



MODEL FR (NFPA STD. MT1) 8" THROUGH 20" DIAMETER

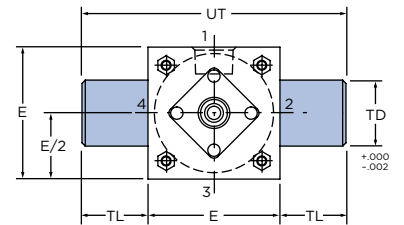
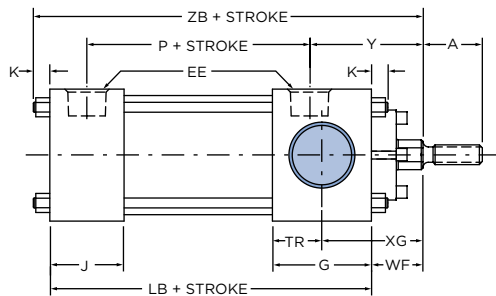
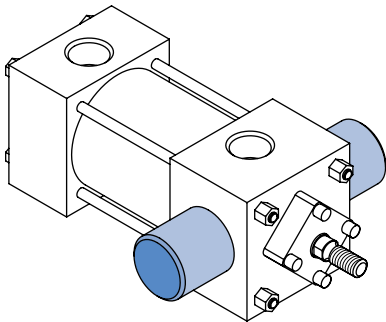


Table 1 These dimensions are constant regardless of rod diameter or stroke.

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

BORE DIA.	E	G	J	K	EE	TB	TD	TL	TM	TR	UM	UT	UV	WT
8	8-1/2	2	1-1/2	5/8	3/4	3/4	1-3/8	1-3/8	9-3/4	1	12-1/2	11-1/4	9-1/2	2-1/2
10	10-5/8	2-1/4	2	3/4	1	1	1-3/4	1-3/4	12	1-1/8	15-1/2	14-1/8	11-3/4	3
12	12-3/4	2-1/4	2	3/4	1	1	1-3/4	1-3/4	14	1-1/8	17-1/2	16-1/4	13-3/4	3
14	14-3/4	2-3/4	2-1/4	7/8	1-1/4	1-1/8	2	2	16-1/4	1-3/8	20-1/4	18-3/4	16	3-1/2
16	17-1/2	3	3	1	1-1/2	1-1/2	2-3/4	2-3/4	-	1-1/2	-	23	-	-
18	19-1/2	3-7/16	3-7/16	1-1/8	1-1/2	1-11/16	3	3	-	1-11/16	-	25-1/2	-	-
20	21-3/4	3-15/16	3-15/16	1-1/4	2	1-15/16	3-1/2	3-1/2	-	1-15/16	-	28-3/4	-	-

TRUNNION MOUNT CYLINDERS

8" THROUGH 20" DIAMETER

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

• = For piston rod dimensions see page 130.

BORE DIA.	ROD MM•	A	P	Y	LB	WF	XG	XI (MIN)	XJ	ZB
8	1-3/8	1-5/8	3-1/4	2-13/16	5-1/8	1-5/8	2-5/8	4-7/8	6	7-3/8
	1-3/4	2	3-1/4	3-1/16	5-1/8	1-7/8	2-7/8	5-1/8	6-1/4	7-5/8
	2	2-1/4	3-1/4	3-3/16	5-1/8	2	3	5-1/4	6-3/8	7-3/4
	2-1/2	3	3-1/4	3-7/16	5-1/8	2-1/4	3-1/4	5-1/2	6-5/8	8
	3	3-1/2	3-1/4	3-7/16	5-1/8	2-1/4	3-1/4	5-1/2	6-5/8	8
	3-1/2	3-1/2	3-1/4	3-7/16	5-1/8	2-1/4	3-1/4	5-1/2	6-5/8	8
	4	4	3-1/4	3-7/16	5-1/8	2-1/4	3-1/4	5-1/2	6-5/8	8
	4-1/2	4-1/2	3-1/4	3-7/16	5-1/8	2-1/4	3-1/4	5-1/2	6-5/8	8
10	5	5	3-1/4	3-7/16	5-1/8	2-1/4	3-1/4	5-1/2	6-5/8	8
	5-1/2	5-1/2	3-1/4	3-7/16	5-1/8	2-1/4	3-1/4	5-1/2	6-5/8	8
	1-3/4	2	4	3-3/16	6-3/8	1-7/8	3	5-5/8	7-1/4	9
	2	2-1/4	4	3-5/16	6-3/8	2	3-1/8	5-3/4	7-3/8	9-1/8
	2-1/2	3	4	3-9/16	6-3/8	2-1/4	3-3/8	6	7-5/8	9-3/8
	3	3-1/2	4	3-9/16	6-3/8	2-1/4	3-3/8	6	7-5/8	9-3/8
	3-1/2	3-1/2	4	3-9/16	6-3/8	2-1/4	3-3/8	6	7-5/8	9-3/8
	4	4	4	3-9/16	6-3/8	2-1/4	3-3/8	6	7-5/8	9-3/8
12	4-1/2	4-1/2	4	3-9/16	6-3/8	2-1/4	3-3/8	6	7-5/8	9-3/8
	5	5	4	3-9/16	6-3/8	2-1/4	3-3/8	6	7-5/8	9-3/8
	5-1/2	5-1/2	4	3-9/16	6-3/8	2-1/4	3-3/8	6	7-5/8	9-3/8
	2	2-1/4	4-1/2	3-5/16	6-7/8	2	3-1/8	5-3/4	7-7/8	9-5/8
	2-1/2	3	4-1/2	3-9/16	6-7/8	2-1/4	3-3/8	6	8-1/8	9-7/8
	3	3-1/2	4-1/2	3-9/16	6-7/8	2-1/4	3-3/8	6	8-1/8	9-7/8
	3-1/2	3-1/2	4-1/2	3-9/16	6-7/8	2-1/4	3-3/8	6	8-1/8	9-7/8
	4	4	4-1/2	3-9/16	6-7/8	2-1/4	3-3/8	6	8-1/8	9-7/8
14	4-1/2	4-1/2	4-1/2	3-9/16	6-7/8	2-1/4	3-3/8	6	8-1/8	9-7/8
	5	5	4-1/2	3-9/16	6-7/8	2-1/4	3-3/8	6	8-1/8	9-7/8
	5-1/2	5-1/2	4-1/2	3-9/16	6-7/8	2-1/4	3-3/8	6	8-1/8	9-7/8
	2-1/2	3	5-1/2	3-13/16	8-1/8	2-1/4	3-5/8	6	9-1/4	11-1/4
	3	3-1/2	5-1/2	3-13/16	8-1/8	2-1/4	3-5/8	6	9-1/4	11-1/4
	3-1/2	3-1/2	5-1/2	3-13/16	8-1/8	2-1/4	3-5/8	6	9-1/4	11-1/4
	4	4	5-1/2	3-13/16	8-1/8	2-1/4	3-5/8	6	9-1/4	11-1/4
16	4-1/2	4-1/2	5-1/2	3-13/16	8-1/8	2-1/4	3-5/8	6	9-1/4	11-1/4
	5	5	5-1/2	3-13/16	8-1/8	2-1/4	3-5/8	6	9-1/4	11-1/4
	5-1/2	5-1/2	5-1/2	3-13/16	8-1/8	2-1/4	3-5/8	6	9-1/4	11-1/4
	2-1/2	3	5-7/8	3-15/16	9-1/4	2-1/4	3-3/4	-	10	12-1/2
	3	3-1/2	5-7/8	3-15/16	9-1/4	2-1/4	3-3/4	-	10	12-1/2
	3-1/2	3-1/2	5-7/8	3-15/16	9-1/4	2-1/4	3-3/4	-	10	12-1/2
	4	4	5-7/8	3-15/16	9-1/4	2-1/4	3-3/4	-	10	12-1/2
18	4-1/2	4-1/2	5-7/8	3-15/16	9-1/4	2-1/4	3-3/4	-	10	12-1/2
	5	5	5-7/8	3-15/16	9-1/4	2-1/4	3-3/4	-	10	12-1/2
	5-1/2	5-1/2	5-7/8	3-15/16	9-1/4	2-1/4	3-3/4	-	10	12-1/2
	3-1/2	3-1/2	6	4-3/8	10-1/4	2-1/4	4	-	10-3/4	13-5/8
	4	4	6	4-3/8	10-1/4	2-1/4	4	-	10-3/4	13-5/8
20	4-1/2	4-1/2	6	4-3/8	10-1/4	2-1/4	4	-	10-3/4	13-5/8
	5	5	6	4-3/8	10-1/4	2-1/4	4	-	10-3/4	13-5/8
	5-1/2	5-1/2	6	4-3/8	10-1/4	2-1/4	4	-	10-3/4	13-5/8
	4	4	7-1/8	4-9/16	11-3/4	2-1/4	4-1/4	-	12	15-1/4
20	4-1/2	4-1/2	7-1/8	4-9/16	11-3/4	2-1/4	4-1/4	-	12	15-1/4
	5	5	7-1/8	4-9/16	11-3/4	2-1/4	4-1/4	-	12	15-1/4
	5-1/2	5-1/2	7-1/8	4-9/16	11-3/4	2-1/4	4-1/4	-	12	15-1/4