

# CAST IRON FHP SHEAVES

Single Groove Sheaves  
 For "A" Belts  
 or "B" Belts

## MA or MB SERIES - FINISHED BORE

	O.D.	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"		O.D.	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"
MA15	1.5"	X	X	-	-	-	-	MB20	2.0"	X	X	X	-	-	-
MA18	1.8"	X	X	X	-	-	-	MB23	2.3"	X	X	X	X	-	-
MA20	2.0"	X	X	X	X	-	-	MB25	2.5"	X	X	X	X	X	-
MA23	2.3"	X	X	X	X	-	-	MB26	2.6"	X	X	X	X	X	-
MA25	2.5"	X	X	X	X	X	-	MB28	2.8"	X	X	X	X	X	X
MA28	2.8"	X	X	X	X	X	-	MB30	3.0"	X	X	X	X	X	X
MA30	3.0"	X	X	X	X	X	X	MB31	3.1"	X	X	X	X	X	X
MA33	3.3"	X	X	X	X	X	X	MB33	3.3"	X	X	X	X	X	X
MA35	3.5"	X	X	X	X	X	X	MB35	3.5"	X	X	X	X	X	X
MA38	3.8"	X	X	X	X	X	X	MB38	3.8"	X	X	X	X	X	X
MA40	4.0"	X	X	X	X	X	X	MB40	4.0"	X	X	X	X	X	X
MA45	4.5"	X	X	X	X	X	X	MB45	4.5"	X	X	X	X	X	X
MA50	5.0"	X	X	X	X	X	X	MB50	5.0"	X	X	X	X	X	X
MA55	5.5"	X	X	X	X	X	X	MB55	5.5"	X	X	X	X	X	X
MA60	6.0"	X	X	X	X	X	X	MB60	6.0"	X	X	X	X	X	X
MA70	7.0"	X	X	X	X	X	X	MB70	7.0"	X	X	X	X	X	X
MA80	8.0"	X	X	X	X	X	X	MB80	8.0"	X	X	X	X	X	X
MA90	9.0"	X	X	X	X	X	X	MB90	9.0"	X	X	X	X	X	X
MA100	10.0"	X	X	X	X	X	X	MB100	10.0"	X	X	X	X	X	X
MA110	11.0"	X	X	X	X	X	X	MB110	11.0"	X	X	X	X	X	X
MA120	12.0"	X	X	X	X	X	X	MB120	12.0"	X	X	X	X	X	X

## CAST IRON FHP SHEAVES

Two Groove Sheaves  
 For "A" Belts  
 or "B" Belts

### 2MA or 2MB SERIES - FINISHED BORE

	O.D.	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"		O.D.	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"
2MA20	2.0	X	X	X	-	-	-	2MB20	2.0"	X	X	X	-	-	-
2MA23	2.3	X	X	X	X	-	-	2MB23	2.3	X	X	X	X	-	-
2MA25	2.5	X	X	X	X	X	X	2MB25	2.5	X	X	X	X	X	-
2MA28	2.8	X	X	X	X	X	X	2MB28	2.8	X	X	X	X	X	X
2MA30	3.0	X	X	X	X	X	X	2MB30	3.0	X	X	X	X	X	X
2MA33	3.3	X	X	X	X	X	X	2MB33	3.3	X	X	X	X	X	X
2MA35	3.5	X	X	X	X	X	X	2MB35	3.5	X	X	X	X	X	X
2MA38	3.8	X	X	X	X	X	X	2MB38	3.8	X	X	X	X	X	X
2MA40	4.0	X	X	X	X	X	X	2MB40	4.0	X	X	X	X	X	X
2MA45	4.5	X	X	X	X	X	X	2MB45	4.5	X	X	X	X	X	X
2MA50	5.0	X	X	X	X	X	X	2MB50	5.0	X	X	X	X	X	X
2MA55	5.5	X	X	X	X	X	X	2MB55	5.5.	X	X	X	X	X	X
2MA60	6.0	X	X	X	X	X	X	2MB60	6.0	X	X	X	X	X	X
2MA70	7.0	X	X	X	X	X	X	2MB70	7.0	X	X	X	X	X	X
2MA80	8.0	X	X	X	X	X	X	2MB80	8.0	X	X	X	X	X	X
2MA90	9.0	X	X	X	X	X	X	2MB90	9.0	X	X	X	X	X	X
2MA100	10.0	X	X	X	X	X	X	2MB100	10.0	X	X	X	X	X	X
2MA110	11.0	X	X	X	X	X	X	2MB110	11.0	X	X	X	X	X	X
2MA120	12.0	X	X	X	X	X	X	2MB120	12.0	X	X	X	X	X	X

**NOTE:** X designates items that are standard stock

# CAST IRON FHP SHEAVES

Single Groove Sheaves

Two Groove Sheaves

Combination Groove - Bushing Style  
 for "4L" or "A" Belts and "5L" or "B" Belts

## MBL Series Bushing Type



## 2MBL Series Bushing Type



### SINGLE-GROOVE

	O.D.		O.D.
MB31L	3.1	MB69L	6.9
MB33L	3.3	MB72L	7.2
MB35L	3.5	MB74L	7.4
MB37L	3.7	MB77L	7.7
MB39L	3.9	MB82L	8.2
MB42L	4.2	MB87L	8.7
MB44L	4.4	MB92L	9.2
MB47L	4.7	MB97L	9.7
MB49L	4.9	MB102L	10.2
MB52L	5.2	MB107L	10.7
MB54L	5.4	MB112L	11.2
MB57L	5.7	MB117L	11.7
MB59L	5.9	MB127L	12.7
MB62L	6.2	MB137L	13.7
MB64L	6.4	MB157L	15.7
MB67L	6.7	MB187L	18.7

### TWO-GROOVE

	O.D.		O.D.
-	3.1	2MB69L	6.9
2MB33L	3.3	-	7.2
2MB35L	3.5	-	7.4
2MB37L	3.7	2MB77L	7.7
2MB39L	3.9	-	8.2
2MB42L	4.2	2MB87L	8.7
2MB44L	4.4	-	9.2
2MB47L	4.7	2MB97L	9.7
2MB49L	4.9	-	10.2
2MB52L	5.2	2MB107L	10.7
2MB54L	5.4	-	11.2
2MB57L	5.7	2MB117L	11.7
2MB59L	5.9	2MB127L	12.7
2MB62L	6.2	2MB137L	13.7
2MB64L	6.4	2MB157L*	15.7
2MB67L	6.7	2MB187L*	18.7

\* Available in production run quantity.

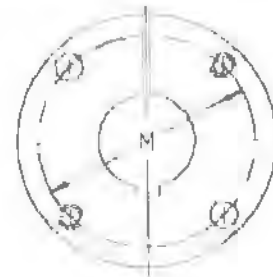
# TAPER BUSHINGS

## "L" Bushings Inch Sizes

### "L" Series Bushing



### "L" Bushing Dimensions



### "L" Bushings Inch Sizes

PART NO.	SIZE	PART NO.	SIZE
LX3/8	3/8"	LX1	1"
LX7/16	7/16"	LX1-1/16	1 1/16"
LX1/2	1/2"	LX1-1/8	1 1/8"
LX9/16	9/16"	LX1-3/16	1 3/16"
LX5/8	5/8"	LX1-1/4	1 1/4"
LX11/16	5/8"	LX1-5/16	1 5/16"
LX3/4	3/4"	LX1-3/8	1 3/8"
LX13/16	13/16"	LX1-7/16	1 7/16"
LX7/8	7/8"	LX1-1/2	1 1/2"
LX15/16	15/16"		

• Tapered, Precision Fit • Easy To Install • Easy To Remove \*

# \*"QD" INTERCHANGEABLE BUSHING

Check these high quality features...



Ductile, Sintered, Gray

## TAPERED, PRECISION FIT.

Precision machining of the tapered bore in the hub of the "QD" rim and the tapered mating surface of the bushing insures a snug, precision fit between rim and bushing. Tightening the cap screws draws the sheave up tight on the bushing - Maska "QD" Bushings and Sheaves are true running.

## FULL - NOT PARTIAL SPLIT.

This feature, together with the tapered, precision fit of rim and bushing, enables the "QD" Bushing to compress evenly around the entire circumference to the shaft, gripping it with tremendous pressure, the equivalent of a press fit on the shaft. And the full split makes it just as easy to install "QD" Sheaves on all standard size shafts as it is to install them on shafts which may be slightly oversize or slightly undersize.

## EASY TO INSTALL, EASY TO REMOVE.

To install Maska "QD" Sheaves, the cap screws are used as pull-wrench only - no additional leverage is necessary. To remove "QD" Sheaves, the cap screws are taken out and used as jack screws. A few quick turns on each screw, and the tight grip of the bushing on the shaft is easily broken.

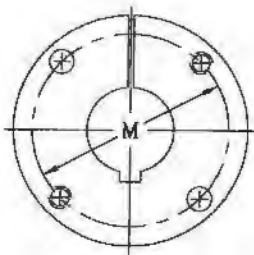
## SET SCREW OVER THE KEY.

Once the correct position of the "QD" Sheave on the shaft is determined, tightening the set screw in the bushing head down on the key will hold the bushing in this position while the pull-up bolts are tightened. This set screw holds the key in place on the shaft during drive operation - an especially desirable feature on drives that have vertical shafts. Available on all "QD" bushings except L.

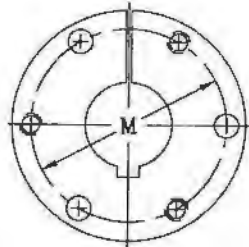
## FULLY INTERCHANGEABLE WITH OTHER "QD" BUSHINGS.

As in the case of Maska "QD" Sheaves, the "QD" Bushings also conform to standardized "QD" dimensions and sheave types. Because of this feature, any "QD" Stock Bushing may be interchanged with the same size bushing that other "QD" manufacturers produce.

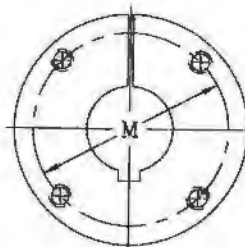
## \*"QD" BUSHING DIMENSIONS



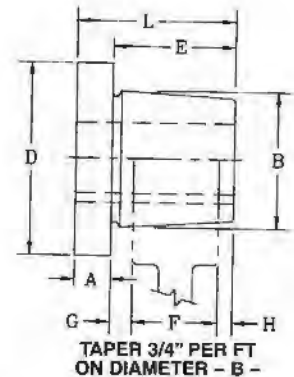
Bushing  
"L"



Bushings  
"JA" to "J"  
Inclusive



Bushings  
"M" to "S"  
Inclusive



Bush- ing	List Price	Dimensions, Inches									Cap Screws Required NC Grade 5	Stock Bore Range				Approx. Weight Pounds
		A	B	D	E	F	G	H	L	Bolt Circle M		Maximum				
												Minimum Standard Keyway	Standard Keyway	Shallow Keyway	No Keyway	
L	9.00	0.350	1.6250	2 1/2	1	7/8	3/16	-1/16	1.350	2	2=1/4X1	9/16	1 1/4	1 1/2	**	0.7
JA	10.90	5/16	1.3750	2	1 1/16	5/8	7/32	-5/32	1	1 21/32	3=3/16X1	9/16	1	1 3/16	1 1/4	0.4
SH(*)	14.30	3/8	1.8710	2 11/16	7/8	3/4	1/4	-1/8	1 1/4	2 1/4	3=1/4X1	9/16	1 3/8	1 5/8	1 11/16	0.9
SDS(*)	17.30	7/16	2.1875	3 3/16	7/8	3/4	1/4	-1/8	1 5/16	2 11/16	3=1/4X1 1/4	9/16	1 11/16	1 15/16	2	1.3
SD(*)	20.30	7/16	2.1875	3 3/16	1 3/8	1 1/4	1/4	-1/8	1 13/16	2 11/16	3=1/4X2	9/16	1 11/16	1 15/16	2	1.6
SK(*)	26.80	1/2	2.8125	3 7/8	1 3/8	1 1/4	5/16	-3/16	1 7/8	3 5/16	3=5/16X2	9/16	2 1/8	2 1/2	2 9/16 - 2 5/8	2.7
SF(*)	33.00	1/2	3.1250	4 5/8	1 1/2	1 1/4	5/16	-1/16	2	3 7/8	3=3/8X2	9/16	2 1/4	2 7/8	2 15/16	3.9
E(*)	69.20	3/4	3.8340	6	1 7/8	1 5/8	5/16	-1/16	2 5/8	5	3=1/2X2 1/2	7/8	2 3/4	3 1/2	**	8.5
F	128.00	13/16	4.4375	6 5/8	2 13/16	2 1/2	11/32	-1/32	3 5/8	5 5/8	3=9/16X3 1/2	1	3 1/4	3 15/16	4	13.3
J	160.00	1	5.1484	7 1/4	3 1/2	3 3/16	11/32	-1/32	4 1/2	6 1/4	3=5/8X4 1/2	1 7/16	3 3/4	4 1/2	**	20.8
M	320.00	1 1/4	6.5000	9	5 1/2	5 3/16	11/32	-1/32	6 3/4	7 7/8	4=3/4X7	2	4 3/4	5 1/2	**	48.5
N	560.00	1 1/2	7.0000	10	6 5/8	6 1/4	5/8	-3/16	8 1/8	8 1/2	4=7/8X8	2 15/16	5	5 15/16	**	62.1
P	840.00	1 3/4	8.2500	11 3/4	7 5/8	7 1/4	5/8	-1/4	9 3/8	10	4=1X9 1/2	2 15/16	5 1/2	7	**	108.8
W	1480.00	2	10.4375	15	9 3/8	9	5/8	-1/4	11 3/8	12 3/4	4=1 1/8X11	4 1/4	7	8	**	218.9
S	3480.00	3/4	12.1250	17 3/4	12 1/2	12	3/8	1/8	15 3/4	15	5=1 1/2X15 1/2	6	8 1/4	10	**	382.0

Refer to page 27 for torque ratings.

\* Standard with 1 set screw.

\*\* Consult Maska Engineering Department.

Note: Approx. weight in lbs for an average size bore.

\*"QD" bushings is a registered trademark and manufactured by Maska under license.

# \*“QD” BUSHINGS BORE AND KEYSEAT DIMENSIONS

Tapered Bushings are available from stock in all bores and keyseats listed below. In some cases, as the bore increases in diameter, a shallow keyseat is provided - due to insufficient metal thickness. When this happens, Maska furnishes the correct rectangular key at no charge. This does not affect the bushing's ability to transmit the load. The rectangular key, or flat key as some call it, fits into the standard keyway in the shaft.

## STANDARD BORES (INCHES)

Bushing	Stock Bore	Keyseat	Bushing	Stock Bore	Keyseat	Bushing	Stock Bore	Keyseat	
L	1/2"-9/16	1/8 x 1/16	SF	1/2"-9/16	1/8 x 1/16	M	2-2 3/16-2 1/4	1/2 x 1/4	
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		2 3/8-2 7/16-2 1/2-2 5/8	5/8 x 5/16	
	15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		2 11/16-2 3/4	5/8 x 5/16	
	1 5/16-1 3/8	5/16 x 1/16**		1 5/16-1 3/8	5/16 x 5/32		2 7/8-2 15/16-3 3/8-3 1/2-3 5/8-3 7/8	3/4 x 3/8	
	1 7/16-1 1/2	3/8 x 1/16**		1 7/16-1 1/2-1 9/16-1 5/8-1 11/16	3/8 x 3/16		3 3/8-3 7/16-3 1/2-3 5/8-3 11/16	7/8 x 7/16	
JA	1/2"-9/16	1/8 x 1/16	E	1 13/16-1 7/8-1 15/16-2 1/16	1/2 x 1/4	N	2 15/16-3	3/4 x 3/8	
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		1 5/16-1 3/8	1/2 x 1/4		3 3/8-3 7/16-3 1/2-3 5/8-3 3/4	7/8 x 7/16	
	1 5/16-1	1/4 x 1/8		1 7/16-1 3/8	5/16 x 5/32		3 7/8-3 15/16-4 1/4-3 1/2-4 1/4	1 x 1/2	
	1 1/16-1 1/8-1 3/16	1/4 x 1/16**		1 7/16-1 1/2-1 9/16-1 5/8-1 11/16	3/8 x 3/16		4 7/16-4 1/2	1 x 1/2	
	1 1/4	No K.S.*		1 3/4	3/8 x 3/16**		4 5/8-4 3/4-4 7/8-4 15/16-5	1 1/4 x 5/8	
SH	1/2"-9/16	1/8 x 1/16	F	2 13/16-2 7/8-2 15/16-2 2 1/16	1/2 x 1/4	P	5 3/16-5 7/16-5 1/2	1 1/2 x 1/4**	
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		2 5/8	5/8 x 5/16		5 7/8	1 1/2 x 1/4**	
	15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		2 11/16-2 3/4	5/8 x 5/16		5 15/16	1 1/2 x 1/8**	
	1 5/16-1 3/8	5/16 x 5/32		2 13/16	3/4 x 3/8		W	2 15/16-3 1/4	3/4 x 3 1/4
	1 7/16-1 1/2-1 9/16-1 5/8	3/8 x 3/16		2 5/16-2 3/8-2 7/16-2 1/2-2 9/16	3/4 x 1/8**			3 7/16-3 1/2-3 5/8-3 3/4	7/8 x 7/16
1 11/16-1 3/4	3/8 x 1/8**	2 13/16-2 7/8-2 15/16-2 2 1/16	3/8 x 3/8	3 7/8-3 15/16-4 1/4-4 3/8	1 x 1/2				
1 13/16	1/2 x 1/8**	2 5/16-2 3/8-2 7/16-2 1/2-2 9/16	3/4 x 1/8**	4 7/16-4 1/2	1 x 1/2				
1 7/8-1 15/16	1/2 x 1/16**	2 5/8	7/8 x 1/16**	4 5/8-4 11/16-4 3/4-4 7/8	1 1/4 x 5/8				
SD	1/2"-9/16	1/8 x 1/16	J	1* 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8	S	5 3/4-5 7/8-5 15/16-6 1/16-6 1/4	1 1/2 x 1/4**	
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		1 5/16-1 3/8	5/16 x 5/32		6 1/2	1 1/2 x 1/4**	
	15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		1 7/16-1 1/2-1 9/16-1 5/8-1 11/16	3/8 x 3/16		6 3/4-7	1 3/4 x 1/8**	
	1 5/16-1 3/8	5/16 x 5/32		1 3/4	3/8 x 3/16		Bore Range 6-10	4 1/4-4 7/16-4 1/2	1 x 1/2
	1 7/16-1 1/2-1 9/16-1 5/8	3/8 x 3/16		1 13/16-1 7/8-1 15/16-2 1/16	1/2 x 1/4			4 3/4-5 3/8-5 1/2	1 1/4 x 5/8
1 11/16-1 3/4	3/8 x 1/8**	2 1/8-2 3/16-2 1/4	1/2 x 1/4	5 3/4-5 15/16-6 1/2	1 1/2 x 3/4				
1 13/16	1/2 x 1/8**	2 5/16-2 3/8-2 7/16-2 1/2-2 9/16	5/8 x 5/16	7-7 1/4-7 1/2	1 3/4 x 3/4				
1 7/8-1 15/16	1/2 x 1/16**	2 5/8	5/8 x 5/16	8	2 x 1/4**				
SK	1/2"-9/16	1/8 x 1/16	J	2 11/16-2 3/4	3/4 x 3/8	S	Bore Range 6-10		
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		2 13/16-2 7/8-2 15/16-2 2 1/16	3/4 x 3/8		* Stocked without keyseat. ** Shallow Keyseat. (in ductile)		
	15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		3 1/8-3 3/16-3 1/4	7/8 x 3/16**		Note: W & S Bushings are stocked with a minimum plain bore and will be bored to size and Keyseated on order.		
	1 5/16-1 3/8	5/16 x 5/32		3 5/16-3 3/8-3 7/16-3 1/2-3 9/16	7/8 x 3/16**		Contact factory for price and availability.		
	1 7/16-1 1/2-1 9/16-1 5/8	3/8 x 3/16		3 5/8-3 11/16-3 3/4	1 x 1/8**		The metric system does not refer to keyseat or keyway dimensions as does the English system; instead, dimensions are given for the key itself, which is rectangular in shape and not square as in the English system. This meets ISO standards.		
SH	1/2"-9/16	1/8 x 1/16	J	4	No K.S.*	S	Except nominal diameter over 13 up to 16 included (metric bore).		
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		1 7/16* 1/2-1 9/16-1 5/8-1 11/16	3/8 x 3/16				
	15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		1 3/4	3/8 x 3/16				
	1 5/16-1 3/8	5/16 x 5/32		1 13/16-1 7/8-1 15/16-2 1/16	1/2 x 1/4				
	1 7/16-1 1/2-1 9/16-1 5/8	3/8 x 3/16		2 1/8-2 3/16-2 1/4	1/2 x 1/4				
SD	1/2"-9/16	1/8 x 1/16	J	2 11/16-2 3/4	3/4 x 3/8	S			
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		2 13/16-2 7/8-2 15/16-2 2 1/16	3/4 x 3/8				
	15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		2 5/16-2 3/8-2 7/16-2 1/2-2 9/16	5/8 x 5/16				
	1 5/16-1 3/8	5/16 x 5/32		2 5/8-2 11/16-2 3/4	5/8 x 5/16				
	1 7/16-1 1/2-1 9/16-1 5/8	3/8 x 3/16		2 13/16-2 7/8-2 15/16-2 2 1/16	3/4 x 3/8				
SK	1/2"-9/16	1/8 x 1/16	J	3 1/16-3 3/8-3 7/16-3 1/2-3 5/8	7/8 x 7/16	S			
	5/8-11/16-3/4-13/16-7/8	3/16 x 3/32		3 11/16-3 3/4	7/8 x 7/16				
	15/16-1-1 1/16-1 1/8-1 3/16-1 1/4	1/4 x 1/8		3 7/8-3 15/16	1 x 3/8**				
	1 5/16-1 3/8	5/16 x 5/32		4-4 1/8-4 3/16-4 1/4-4 3/8-4 7/16	1 x 1/8**				
	1 7/16-1 1/2-1 9/16-1 5/8	3/8 x 3/16		4 1/2	1 x 1/8**				

## STANDARD BORES (MILLIMETERS)

Bushing	Stock Bore	Key	Bushing	Stock Bore	Key	Bushing	Stock Bore	Key	
L	14 - 15 - 16	5 x 5	SF	25 - 28 - 30	8 x 7	M	75	20 x 12	
	18 - 19 - 20 - 22	6 x 6		32 - 35 - 38	10 x 8		80 - 85	22 x 14	
	24 - 25 - 28 - 30	8 x 7		40 - 42	12 x 8		90 - 95	25 x 14	
	32	10 x 8		45 - 48 - 50	14 x 9		100 - 110	28 x 16	
SH	14 - 15 - 16	5 x 5	E	55	16 x 10	N	115 - 125	32 x 18	
	18 - 19 - 20 - 22	6 x 6		60	18 x 11		120	32 x 18	
	24 - 25 - 28 - 30	8 x 7		35 - 38	10 x 8				
	32 - 35	10 x 8		40 - 42	12 x 8				
SDS	14 - 15 - 16	5 x 5	F	45 - 48 - 50	14 x 9				
	18 - 19 - 20 - 22	6 x 6		55	16 x 10				
	24 - 25 - 28 - 30	8 x 7		60 - 65	18 x 11				
	32 - 35 - 38	10 x 8		70 - 75	20 x 12				
SD	14 - 15 - 16	5 x 5	F	45 - 48 - 50	14 x 9				
	18 - 19 - 20 - 22	6 x 6		55	16 x 10				
	24 - 25 - 28 - 30	8 x 7		60 - 65	18 x 11				
	32 - 35 - 38	10 x 8		70 - 75	20 x 12				
SK	14 - 15 - 16	5 x 5	J	80 - 85	22 x 14				
	18 - 19 - 20 - 22	6 x 6		90	25 x 14				
	24 - 25 - 28 - 30	8 x 7		50	14 x 9				
	32 - 35 - 38	10 x 8		55	16 x 10				
SK	40 - 42	12 x 8	J	60 - 65	18 x 11				
	45 - 48 - 50	14 x 9		70 - 75	20 x 12				
	55	16 x 10		80 - 85	22 x 14				
				90 - 95	25 x 14				
			100	28 x 16					