SARGENT® LFIC (Removable Core) Cylinders
Template 6300 & 11-6300 & 10-6300 LFIC (Removable Core) Cylinder

SARGENT®

ASSA ABLOY

The following is an example showing how to select the pin segments for each chamber of the SARGENT 6300 series LFIC (removable core). Use this as a template for calculating the correct pin loads.

1) List of Operating Keys

	Sample KEY SYMBOLS	Sample BITTINGS						
List Day Changes/MK's GM's etc.	GM "A"	4	9	4	1	6	0	
Do Not list bitting of	MK "AA"	4	9	2	3	6	0	
the Control key in this area.	CK "AA1"	2	1	2	3	2	2	

2) Calculate Bottom Pins and Master Splits
Find correct size for Bottom and Master Splits from operating key's list

		Sample					
(a) * * * * * **BOTTOM PINS** * * * * * * * *	2	1	2	1	2	2	
(Smallest number in each chamber)							
(b) * * * * * **MASTER SPLITS** * * * * * * *	2	8	2	2	4	8	
(Difference in smallest and largest number in each chamber)							

3) Calculate Value of Control Splits

3.3 CONTROL KEY BITTING	4	9	6	5	6	0	
(3.1) A number 8 appears on this line in positions 3 and 4	-	-	8	8	-	-	
(3.2) Insert bitting of positions 3 and 4 of control key. and add to number 8's in positions 3 and 4			+6	+5			
3.3 CONTROL PIN FACTOR	=		14	13			
(3.4) Subtract largest number in positions 3 and 4 from list of operating keys from control pin factor			-4	-3			
(c) * * * * * **CONTROL SPLITS** * * * * * * * *	=	=	10	10			

4) Calculate Top or Driver Pin (Total Stack Value)

	15	15	20	20	15	15

(4.1) Add value of: (a) Bottom Pins, + (b) Master Splits + (c) Control Splits). Enter total here.

	4	9	14	13	6	10

(4.2) Subtract total from TOTAL STACK VALUE above.

(d) (4.3) Enter values on this line. DRIVER SPLITS (Master Splits)

	11	6	6	7	9	5

5) Pinning Assembly Matrix   Example of pinning matrix for above key bittings.

Transfer Values labeled								
(a), (b), (c), (d) from items	(d) Driver Splits	11	6	6	7	9	5	
2, 3, and 4 above.	(c) Control Splits	-	-	10	10	-	-	
	(b) Master Splits	2	8	2	2	4	8	
	(a) Bottom Pins	2	1	2	1	2	2	
	Stack Total Limits	15	15	20	20	15	15	