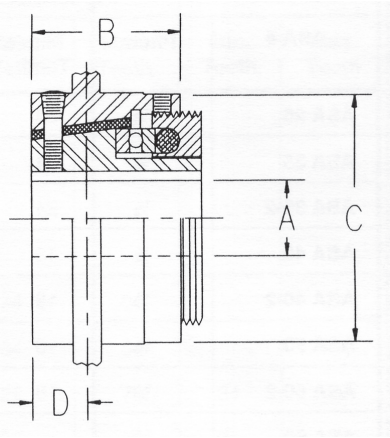
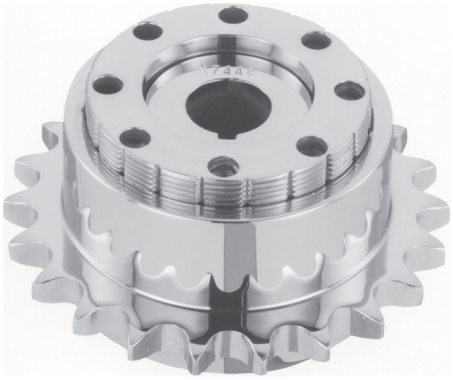
FLATON CLUTCH
A DIVISION OF BUSHMAN EQUIPMENT, INC.

Model I Integral Clutch



The Model I Flaton Clutch is constructed with a sprocket or gear as an integral part of the exterior housing. By making the drive component a permanent part of the clutch, its overall size can be reduced.



Dimensions

Model Number	Max. Bore	Hub Length	Hub Dia.	Distance to Center Line of Gear or Sprocket	Keyway with Max. Bore
	A	B	C	D	
10-I	3/4	1 1/2	2 1/2	9/16	3/16 X 3/32
15-I	1 1/8	1 15/16	3 1/12	3/4	1/4 X 1/8
20-I	1 1/4	2 3/8	4	7/8	1/4 X 1/8
25-I	1 3/8	2 5/8	4 3/4	1	5/16 X 5/32
30-I	1 15/16	3 5/8	6	1 5/16	1/2 X 1/4
35-I	2 5/8	4 1/4	7 1/8	1 1/2	5/8 X 5/16
40-I	3 5/8	5 3/8	9 5/8	2 1/4	7/8 X 5/16
45-I	4 1/4	7	12	2 3/4	1 X 3/8

All dimensions are in inches.

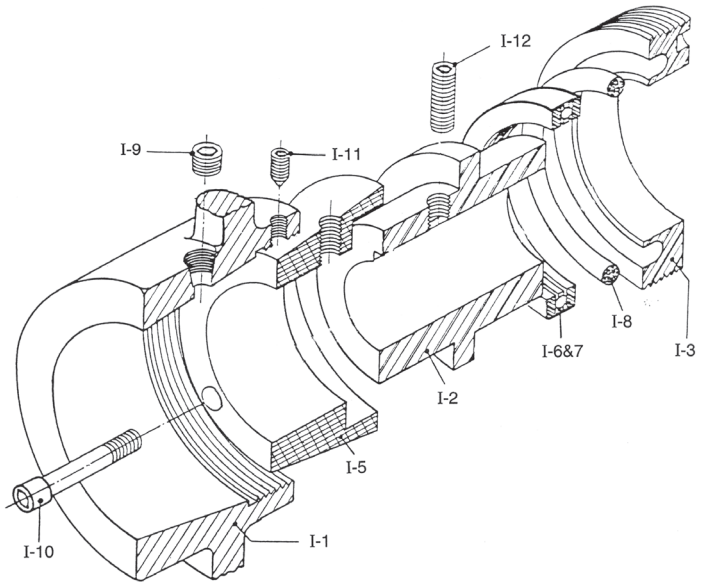
ROLLER CHAIN SPROCKETS AVAILABLE WITH MODEL I CLUTCHES

Sprocket Pitch		Model 10-I		Model 15-I		Model 20-I		Model 25-I	
ASA #	Pitch	Min. Teeth	Max. Teeth	Min. Teeth	Max. Teeth	Min. Teeth	Max. Teeth	Min. Teeth	Max. Teeth
ASA 25	1/4	34	60						
ASA 35	3/8	24	84	32	110	38	110		
ASA 35-2	1/2	24	84	32	110	38	84		
ASA 40	1/2	19	60	25	72	28	84	32	95
ASA 40-2	1/2	19	60	25	72	28	70	32	95
ASA 50	5/8	16	48	21	60	23	70	27	72
ASA 50-2	5/8	16	48	21	60	23	54	27	72
ASA 60	3/4			18	48	20	54	23	60
ASA 60-2	3/4			18	48	20	54	23	60
ASA 80	1					15	42	18	48
ASA 80-2	1					15	42	18	48
ASA 100	1 1/4							15	40
ASA 100-2	1 1/4							15	40

ROLLER CHAIN SPROCKETS AVAILABLE WITH MODEL I CLUTCHES (continued)

Sprocket Pitch		Model 30-I		Model 35-I		Model 40-I		Model 45-I	
ASA #	Pitch	Min. Teeth	Max. Teeth	Min. Teeth	Max. Teeth	Min. Teeth	Max. Teeth	Min. Teeth	Max. Teeth
ASA 50	5/8	34	95						
ASA 50-2	5/8	34	95						
ASA 60	3/4	28	84	34	95				
ASA 60-2	3/4	28	84	34	95				
ASA 80	1	21	60	26	72	34	84		
ASA 80-2	1	21	60	26	72	34	84		
ASA 100	1 1/4	18	48	21	60	27	70	34	72
ASA 100-2	1 1/4	18	48	21	60	27	70	34	72
ASA 120	1 1/2	16	42	18	48	22	54	28	70
ASA 140	1 3/4					21	48	25	60
ASA 160	2							22	48

Parts List



1	Housing
2	Thrust head
3	Adjustment nut
5	Friction cone
6 & 7	Thrust bearing assembly
8	Pressure ring
9	Pipe plug
10	Cap screws-4 (On size 40 and 45 only)
11	Conepoint screw
12	Setscrews-2

When requesting parts or additional information, please reference the clutch size.
For part #1, housing, provide as much detailed information as possible.

The descriptions and speciýcations contained in this manual were in effect at the time of printing. Bushman Equipment, Inc. reserves the right to change speciýcations and designs at any time without notice and without incurring any obligations. É2006 Flaton Clutch Division of Bushman Equipment, Inc.

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