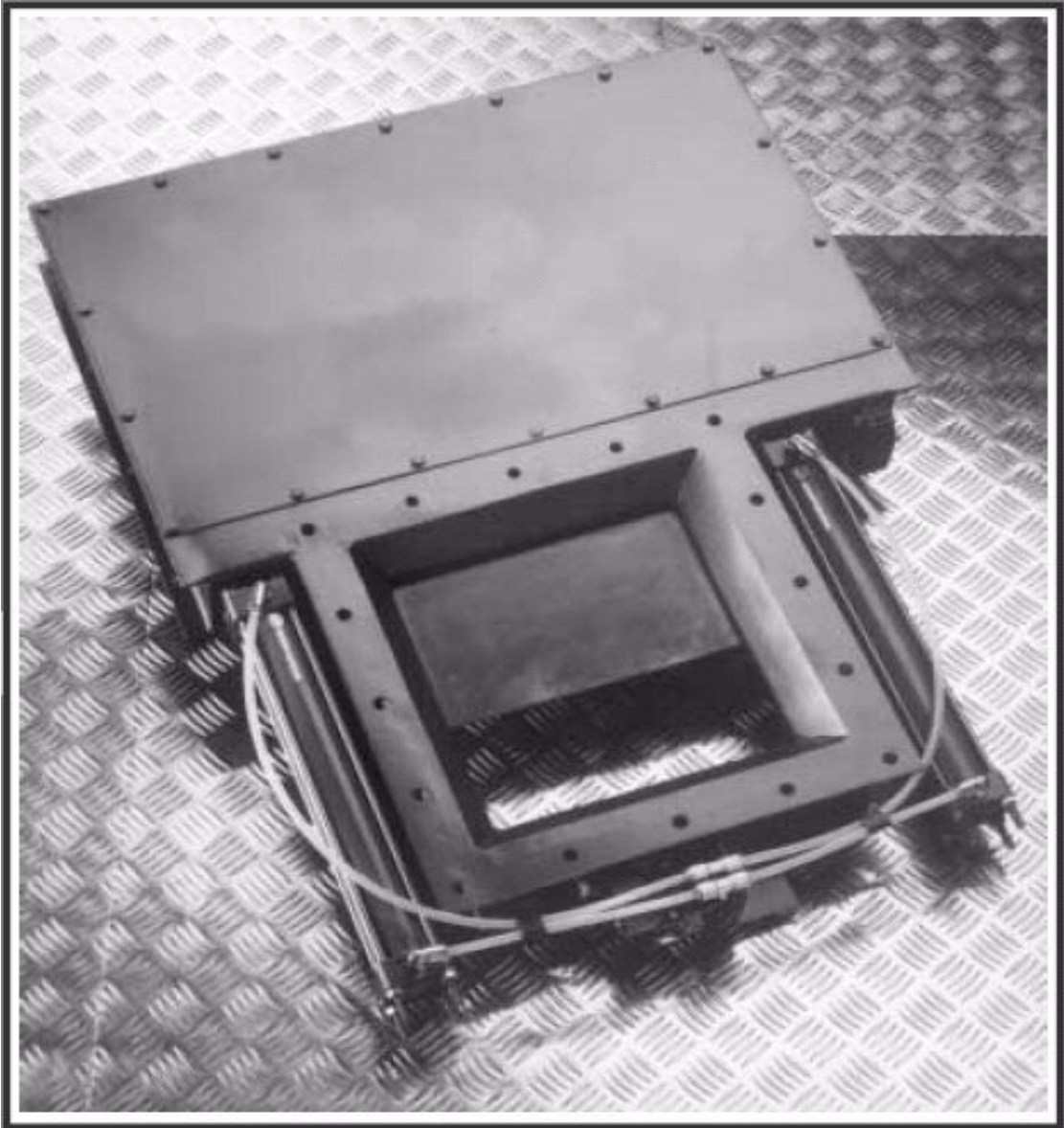


# **BUSH & WILTON, INC.**



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**FABRICATED SLIDE VALVES**

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# FABRICATED SLIDE VALVES

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## INTRODUCTION

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The Bush & Wilton industrial range of slide valves are simply, but robustly, designed to handle powders, pellets and granules over a wide field of applications. They may be operated manually, or by pneumatic means or electric motors, and offer reliable, continuous service with the minimum of attention and maintenance.

The standard range covers most needs, but the basic designs are capable of fabrication to any specified sizes and construction. These include circular flanged valves.

## IMPORTANT FEATURES

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No jamming. All slide plates run on flanged rollers.

Minimal leakage. All valves (except enclosed valves) fitted with packing gland type seals.

Streamlined design means unrestricted material flow.

*All add up to Bush & Wilton Standards*

## RANGE

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Wide standard range of manual, motorized, pneumatic versions, suitable for all usual flow handling applications. Special sizes fabricated on request.

## STANDARD SPECIFICATION

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### Body

Carbon or Stainless Steel.

### Slide Plates

Carbon or Stainless Steel.

### Hand Wheel and Chain Wheel

Rack & Pinion or Leadscrew.

### Solenoid Valves

Five port four way single solenoid spring return.

### Limit Switches

AC/DC to NEMA 4

### Motors

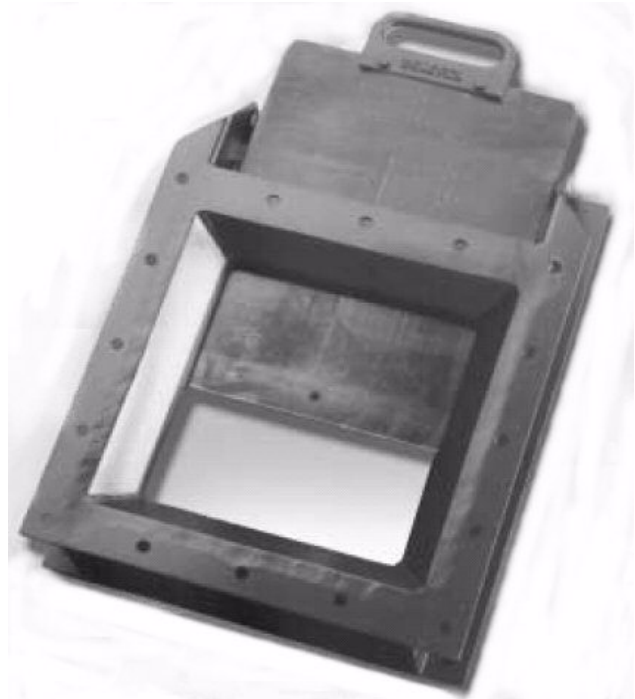
TEFC motor with torque limiter to prevent overload.

### Rollers

Flanged MS / SS / Nylon - Running on bushes

## SPECIAL DESIGNS AVAILABLE.

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# FABRICATED SLIDE VALVES

**MANUAL SQUARE SLIDE**  
The basic model in the range, designed for straightforward, easy push-pull manual operation.

PLANNING IN DETAILS FOR GENERAL GUIDANCE ONLY

Drillings are Bush & Wilton standards. Variations can be made.

VALVE SIZE	SIZE	A	B	C	D	E	F	G	H	J	K
6	6	9 1/2	2	4	8	3/8	13 3/4	4	1 7/8	13	
6 1/2	6 1/2	10	2	4 1/4	8	3/8	14 1/4	4	1 7/8	13 7/8	
8	8	11 7/15	2	5	8	3/8	15 11/16	4	1 7/8	16	
8 1/2	8 1/2	12	2	5 1/4	8	3/8	16 1/4	4	1 7/8	16 7/8	
10	10	13 1/2	2	5 7/8	8	1/2	17 3/8	4	1 7/8	19 1/4	
10 1/2	10 1/2	14	2	6 1/4	8	3/8	17 7/8	4	1 7/8	19 7/8	
12	12	15 3/8	4	3 7/16	13	1/2	19 1/8	4	1 7/8	23 3/4	
12 1/2	12 5/8	16 1/8	4	3 5/8	13	1/2	20 3/8	4	1 7/8	23	
14	13 3/4	17 3/8	4	15 3/4	13	1/2	21	4	1 7/8	24 3/4	
14 1/2	14 9/15	18 1/8	4	4 1/8	13	1/2	22 3/8	4	1 7/8	26	
16	15	19 1/2	4	4 7/16	13	1/2	24 3/8	4	1 7/8	29 3/4	
16 1/2	16 1/2	20	3	6 1/8	12	11/16	24 3/8	4	1 1/8	29 1/4	

Dimensions in inches unless stated

Dimensions subject to change without notice

**RACK AND PINION SQUARE SLIDE**  
Provides a finer degree of manual control for metering, etc. Fitted with handwheel or, alternatively, a chain wheel for operating at varying heights above floor level.

PLANNING IN DETAILS FOR GENERAL GUIDANCE ONLY

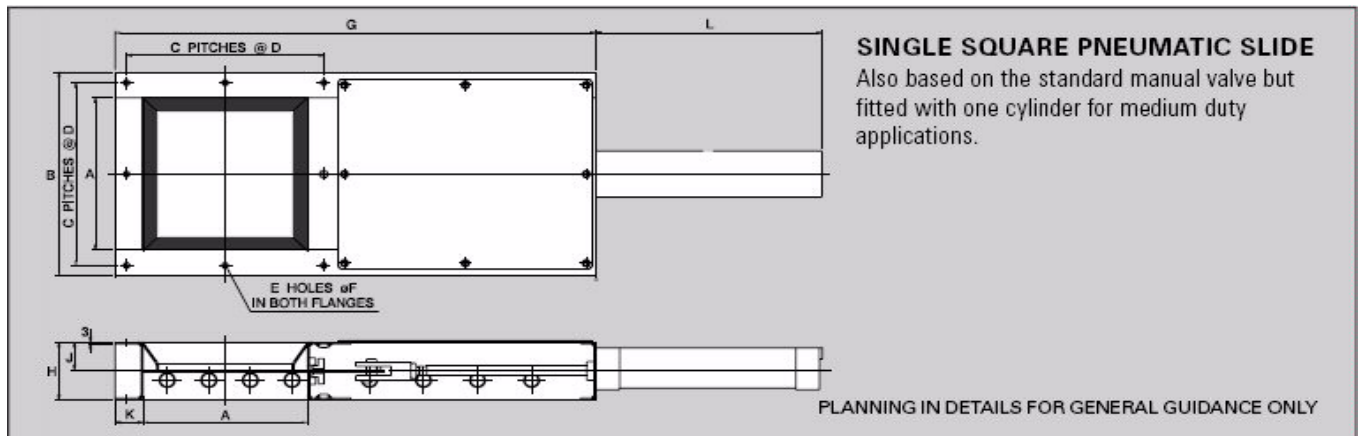
Drillings are Bush & Wilton standards. Variations can be made.

VALVE SIZE	SIZE	A	B	C	D	E	F	G	H	J	L	X	Y
6 1/2	6 1/2	10	2	4 1/4	8	5/16	16	4	1	1 3/4	3 5/8	7 7/8	
8	8	11 1/2	2	4 15/16	8	5/16	18 3/4	4	1	1 3/4	3 5/8	7 7/8	
8 1/2	8 1/2	12	2	5 1/4	8	5/16	19 3/4	4	1	1 3/4	3 5/8	7 7/8	
10	10	13 1/2	2	5 7/8	8	5/16	22 7/8	4	1	1 3/4	3 5/8	7 7/8	
10 1/2	10 1/2	14	2	6 1/4	8	5/16	24	4	1	1 3/4	3 5/8	7 7/8	
12	12	15 3/8	4	3 7/16	16	3/8	26 7/8	4	1	1 3/4	3 5/8	7 7/8	
12 1/2	12 5/8	16 1/8	4	3 5/8	16	3/8	28	4	1	1 3/4	3 5/8	7 7/8	
14	14	17 9/16	3	5 5/16	12	3/8	30 7/8	4	1	1 3/4	3 5/8	8	
14 1/2	14 1/2	18 1/8	4	4 1/8	16	3/8	32 1/4	4	1	1 3/4	3 5/8	7 7/8	
16	16	19 1/2	4	4 7/16	16	3/8	34 3/4	4	1	1 3/4	3 5/8	7 7/8	
16 1/2	16 1/2	20	4	4 5/8	16	3/8	36	4	1	1 3/4	3 5/8	7 7/8	

Dimensions in inches unless stated

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# FABRICATED SLIDE VALVES

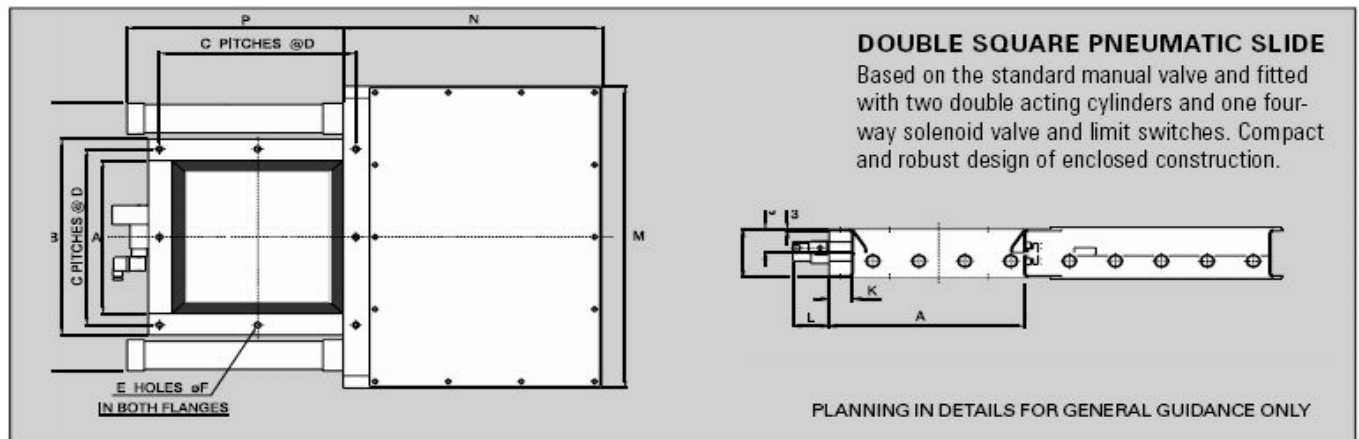


Drillings are Bush & Wilton standards. Variations can be made.

VALVE SIZE	SIZE	A	B	C	D	E	F	G	H	J	K	L
	6	6	9 1/2	2	4	8	5/16	20 7/8	4	1 1/2	1 3/4	9 3/4
	6 1/2	6 1/2	10	2	4 1/4	8	5/16	21 3/8	4	1 7/8	1 3/4	9 1/2
	8	8	11 1/2	2	5	8	5/16	21 3/8	4	1 7/8	1 3/4	10
	8 1/2	8 1/2	12	2	5 1/4	8	5/16	26 1/4	4	1 7/8	1 7/8	12 3/8
	10	10	13 5/8	2	5 7/8	8	5/16	27 7/8	4	1 7/8	1 3/4	12 1/2
	10 1/2	10 1/2	14	2	6 1/4	8	5/16	30 3/8	4	1 7/8	1 7/8	14 3/8
	12	12	15 9/16	4	3 9/16	16	3/8	31 13/16	4	1 7/8	1 3/4	15
	12 1/2	12 5/8	16 1/8	4	3 5/8	16	3/8	34 3/8	4	1 7/8	1 3/4	17
	14	13 7/8	17 3/8	4	4	16	3/8	35 5/16	3 15/16	1 7/8	1 3/4	16 5/16
	14 1/2	14 9/16	18 1/8	4	4 1/8	16	3/8	37 1/16	3 15/16	1 7/8	1 3/4	18 5/16
	16	15 3/4	19 5/16	4	4 7/16	16	3/8	38 1/4	3 15/16	1 7/8	1 3/4	18 5/16
	16 1/2	16 1/2	20 1/8	4	4 5/8	16	3/8	42 1/4	4	1 7/8	1 3/4	20 7/8

Dimensions in inches unless stated

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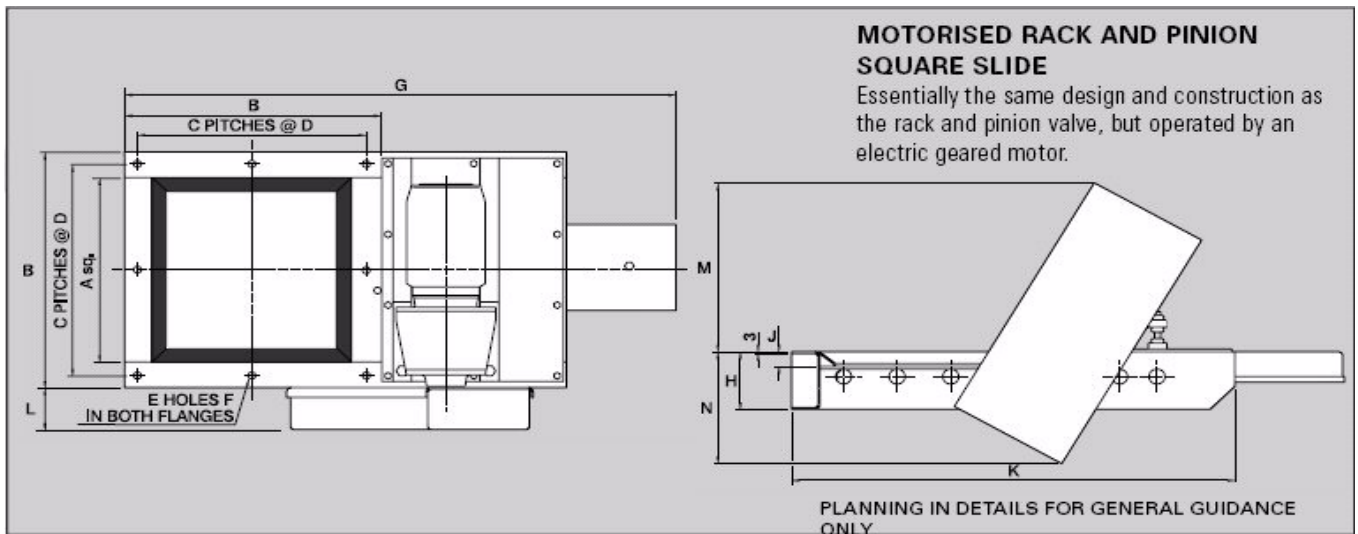
Drillings are Bush & Wilton standards. Variations can be made.

VALVE SIZE	SIZE	A	B	C	D	E	F	H	J	K	L	M	N	P	Q
	6	6	9 1/2	2	3 15/16	8	5/16	4	1 7/8	1 3/4	2 5/8	18 1/8	12 1/4	9 1/8	15 5/16
	6 1/2	6 1/2	10	2	4 1/4	8	5/16	4	1 7/8	1 3/4	2 5/8	18 1/8	12	9 1/4	16
	8	8	11 1/2	2	5	8	5/16	4	1 7/8	1 7/8	2 3/4	20 5/8	13 1/8	10 1/8	17 3/4
	8 1/2	8 1/2	12	2	5 3/4	8	5/16	4	1 7/8	1 3/4	2 3/4	20 3/8	15	12 1/4	17 3/8
	10	10	13 1/2	2	5 7/8	8	5/16	4	1 7/8	1 7/8	2 5/8	22 1/2	15	12 1/8	19 1/2
	10 1/2	10 1/2	14	2	6 1/4	8	5/16	4	1 7/8	1 3/4	2 3/16	22 1/2	17 1/8	14 1/4	19 1/2
	12	12	15 3/8	4	3 7/16	16	3/8	4	1 7/8	1 3/4	2 3/4	26 1/8	17 7/8	14 1/4	21 1/4
	12 1/2	12 5/8	16 1/8	4	3 5/8	16	3/8	4	1 7/8	1 7/8	2 3/4	24 7/8	19	16 1/8	22
	14	14	17 1/2	4	3 15/16	16	3/8	4	1 7/8	1 7/8	2 3/4	26 1/4	19 7/8	17	23 1/2
	14 1/2	14 1/2	18 1/8	4	4 1/8	16	3/8	4	1 7/8	1 3/4	2 15/16	27	19 3/4	18 15/16	24
	16	16	19 1/2	4	4 7/16	16	3/8	4	1 7/8	1 5/16	2 3/4	28 3/8	21 1/8	18 1/8	25 5/8
	16 1/2	16 1/2	20 1/8	4	4 5/8	16	3/8	4	1 7/8	1 7/8	2 5/8	29	23	20 1/8	26

Dimensions in inches unless stated

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# FABRICATED SLIDE VALVES



	SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N
VALVE SIZE	12	12	12	17 3/8	3	5	8	11/16	34 5/8	4	1	27 3/4	3 1/4	7 3/4

