

# Won-Door FireGuard

## Pocket Depth Calculation Chart

FireGuard 20, 60, 90, 180

### STRAIGHT DOOR

Clear Opening Width    Min. Pocket Depth\*

From:	To:	Single	Bi-part
0'-0"	4'-3"	28"	33"
4'-4"	5'-0"	29"	34"
5'-1"	5'-9"	31"	36"
5'-10"	6'-6"	32"	37"
6'-7"	7'-4"	34"	39"
7'-5"	8'-1"	36"	41"
8'-2"	8'-10"	37"	42"
8'-11"	9'-7"	39"	44"
9'-8"	10'-4"	40"	45"
10'-5"	11'-2"	42"	47"
11'-3"	11'-11"	43"	48"
12'-0"	12'-8"	45"	50"
12'-9"	13'-5"	46"	51"
13'-6"	14'-2"	48"	53"
14'-3"	15'-0"	49"	54"
15'-1"	15'-9"	51"	56"
15'-10"	16'-6"	53"	58"
16'-7"	17'-0"	54"	59"
17'-1"	17'-8"	57"	62"
17'-9"	18'-5"	59"	64"
18'-6"	19'-2"	60"	65"
19'-3"	19'-11"	62"	67"
20'-0"	20'-8"	63"	68"
20'-9"	21'-5"	65"	70"
21'-6"	22'-2"	67"	72"
22'-3"	22'-11"	68"	73"
23'-0"	23'-8"	70"	75"
23'-9"	24'-5"	71"	76"
24'-6"	25'-2"	73"	78"
25'-3"	25'-11"	75"	80"
26'-0"	26'-8"	76"	81"
26'-9"	27'-5"	78"	83"
27'-6"	28'-2"	79"	84"
28'-3"	28'-11"	81"	86"
29'-0"	29'-8"	83"	88"
29'-9"	30'-0"	84"	89"

\* Minimum Pocket Depth is effected by door height. The charts on this page show Minimum Pocket Depths for doors 10' in height or less. Minimum Pocket Depths for taller doors are shown below:

Height	Single	Bi-part
10' - 14'	34"	39"
14' - 16'	41"	46"
16' - 20'	48"	53"

For doors over 10' in height, if the Minimum Pocket Depth shown on the charts for the required width is less than that shown above use the appropriate value from above instead. If it is not, use the value shown on the charts.

### CURVED DOOR

Clear Opening Width    Min. Pocket Depth\*

From:	To:	Single	Bi-part
0'-0"	4'-2"	28"	33"
4'-3"	4'-11"	30"	35"
5'-0"	5'-8"	31"	36"
5'-9"	6'-5"	33"	38"
6'-6"	7'-2"	35"	40"
7'-3"	7'-11"	36"	41"
8'-0"	8'-8"	38"	43"
8'-9"	9'-5"	39"	44"
9'-6"	10'-2"	41"	46"
10'-3"	10'-11"	43"	48"
11'-0"	11'-8"	44"	49"
11'-9"	12'-5"	46"	51"
12'-6"	13'-2"	47"	52"
13'-3"	13'-11"	49"	54"
14'-0"	14'-8"	51"	56"
14'-9"	15'-5"	52"	57"
15'-6"	16'-2"	54"	59"
16'-3"	16'-11"	55"	60"
17'-0"	17'-8"	57"	62"
17'-9"	18'-5"	59"	64"
18'-6"	19'-2"	60"	65"
19'-3"	19'-11"	62"	67"
20'-0"	20'-8"	63"	68"
20'-9"	21'-5"	65"	70"
21'-6"	22'-2"	67"	72"
22'-3"	22'-11"	68"	73"
23'-0"	23'-8"	70"	75"
23'-9"	24'-5"	71"	76"
24'-6"	25'-2"	73"	78"
25'-3"	25'-11"	75"	80"
26'-0"	26'-8"	76"	81"
26'-9"	27'-5"	78"	83"
27'-6"	28'-2"	79"	84"
28'-3"	28'-11"	81"	86"
29'-0"	29'-8"	83"	88"
29'-9"	30'-0"	84"	89"

The above charts are for standard Pocket Mounted Motor Operators only. See Automatic Closing System Selection Guide for size limitations. Large doors require Large Door Motor Operators.

### OPTIONS EFFECTING POCKET DEPTH:

**Large Door Motor - below header** - Add 8" to pocket depth. (See pg. 2-7)

**Access Control sliding jamb** - Add 1" to pocket depth.

**Pocket cover door** - Above charts allow for 2" thick cover door. Add appropriate amount if cover door and finish materials are thicker than 2". (See pg. 2-11)

**Vision panel** - Add 6" to pocket depth (except when the vision panel is required to be closer to the leading edge of the door than 48" on a straight door or 96" on a curved door. In these cases, contact the factory for details). (See pg. 2-17)

**Pocket cover door bumper** - Add 1" (See pg. 2-12).

**Additional exit hardware** - Add 1" to pocket depth for each exit device (See page 2-16).

Please consult the factory for pocket depth requirements of doors exceeding 30'-0" in width or 20'-0" in height.