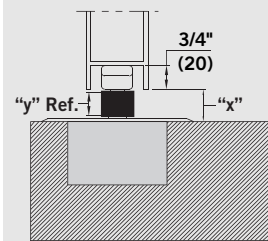


Spindles			
Standard Spindle No.	3° Pre-load* Spindle No.	Dimension "x" (Door Clearance)	Dimension "y"
74003	80003	5/16"	1/8"
74005	80005	1/2"	5/16"
74007	-	5/8"	7/16"
(STD) 74010	80010	3/4"	1/2"
74012	-	13/16"	5/8"
74015	80015	7/8"	11/16"
74020	80020	1-1/8"	7/8"
74025	80025	1-5/16"	1"
74030	80030	1-1/2"	1-5/16"
74035	-	1-11/16"	1-1/2"
74040	-	1-7/8"	1-11/16"
74045	-	2-1/16"	1-7/8"
74050	-	2-5/16"	2-1/16"

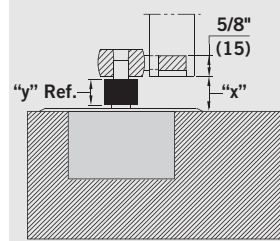
*Pre-load Spindles

Spindles are available with a 3° pre-load for additional pressure to hold door in the closed position. Normally, this is only necessary for center-pivoted single acting applications. However, they can also be used with other applications to compensate for templating errors. Specify hand of pre-load spindle when ordering.

Center Hung Applications



Offset Hung Applications



Extended Spindle Insert

NOTE: Closer and arm must be installed per template for door clearances shown to be valid.

Closers with extended spindle inserts are used with thresholds, carpeted floors, or terrazzo pans or in cases where more clearance between door and floor is required. All spindles are zinc plated.

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