

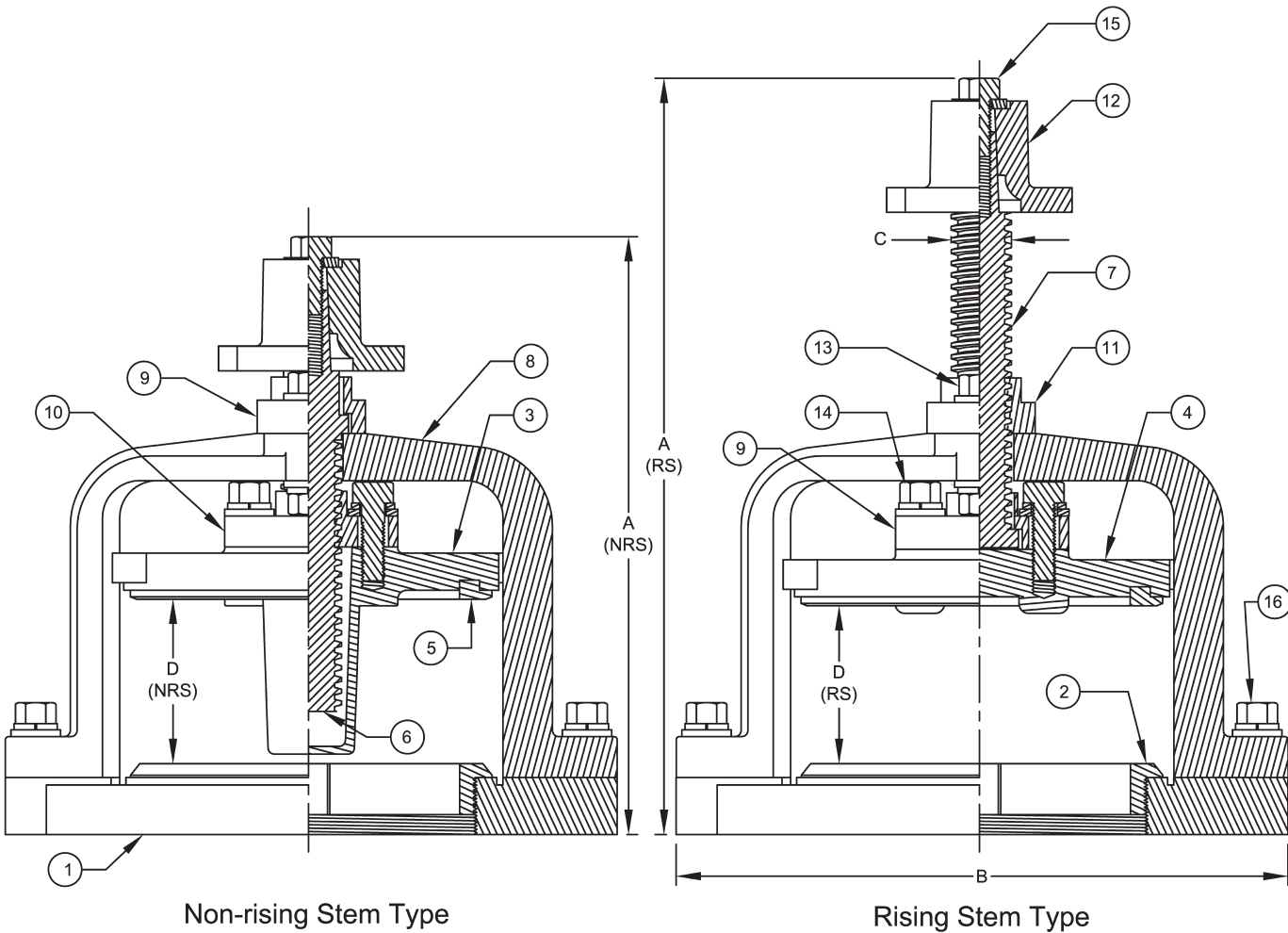
	Valve Size				
	4"	6"	8"	10"	12"
Flange O.D.	9"	11"	13-1/2"	16"	19"
B (overall width at Yoke)	10"	12-3/8"	14-1/2"	17"	19-3/4"
Bolt Circle Diameter	7.50"	9.50"	11.75"	14.25"	17"
Bolt Hole Diameter	3/4"	7/8"	7/8"	1"	1"
Stud Size*	5/8"	3/4"	3/4"	7/8"	7/8"
# of Bolt Holes*	8	8	8	12	12
C (Stem major diameter)**	1"	1-1/8"	1-1/4"	1-3/8"	1-1/2"
A (open height), NRS	11"	12-1/16"	13-7/16"	12-13/16"	14"
A (closed height), NRS	11"	12-1/16"	13-7/16"	12-13/16"	14"
A (open height), RS	13"	15-7/8"	16-7/8"	16-1/2"	19-1/16"
A (closed height), RS	10-1/2"	12-11/16"	13"	12-1/2"	14-3/16"
D (Valve opens), NRS	2-7/16"	3-7/16"	4-1/8"	4-1/16"	5-1/16"
D (Valve opens), RS	2-7/16"	3-3/16"	4-1/16"	4-1/16"	5-1/16"
Turns to open, NRS	5-1/8	7-1/2	8-7/8	16-1/2	20-1/2
Turns to open, RS	5-1/8	6-13/16	8-1/2	16-1/2	20-1/2

Part	Description	Material
1	Base Flange (Body)	UNS F12102, ASTM A126 (B), Gray Iron
2	Seat, Base Flange	UNS C83600, Red Brass (ASTM B30; B62; B584)
3	Gate, NRS	UNS F12102, ASTM A126 (B), Gray Iron
4	Gate, RS	UNS F12102, ASTM A126 (B), Gray Iron
5	Seat, Gate	UNS C83600, Red Brass (ASTM B30; B62; B584)
6	Stem, NRS	UNS C86400, Mang. Bronze (ASTM B30; B584)
7	Stem, RS	UNS C86400, Mang. Bronze (ASTM B30; B584)
8	Yoke	UNS F12102, ASTM A126 (B), Gray Iron
9	Guide, Plain	UNS F12102, ASTM A126 (B), Gray Iron
10	Guide, threaded, NRS	UNS C86400, Mang. Bronze (ASTM B30; B584)
11	Guide, threaded, RS	UNS C86400, Mang. Bronze (ASTM B30; B584)
12	Operating Nut, 2" Sqr.	UNS F12102, ASTM A126 (B), Gray Iron
13	Fasteners, Guide	Stainless Steel, T316
14	Fasteners, Gate	Stainless Steel, T316
15	Fasteners, 2" Nut	Stainless Steel, T316
16	Fasteners, Yoke	Stainless Steel, T316

\*Standard 125 pound drilling template, with two holes covered by Yoke.  
 \*\*Mud Valve series Stems use modified ACME threads.

Note:  
 All items, except for the Threaded Guides, Gates, and Stems are common for both types of Mud Valves.

All Gray Iron components are coated with NSF 61 paint.



Drawn:	Drawing Revision:	
Date	Rev.	Date
6/28/94	O	4/23/08

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Drawn to Scale  
**MUD VALVES**  
 Cast Iron