

End Mount and Double C Face Brakes for  
NEMA 56C-143/145TC and 182/184TC-254/256TC Frame Motors

BR-0003 Eff 2/2015

## Aqua-Stop Washdown Brakes

**BISSC certified • NEMA 4X • CSA 4 • IP56 • 3A Dairy**

### Design Features:

- Specifically engineered for the food processing industry
- All Aqua-Stop Plus brake housings are made from **300 SERIES STAINLESS STEEL** for superior corrosion resistance
- One moving part for long reliable life



- Spring set, electrically released for ease of operation
- Shorter operator movement for faster response
- Many options available to meet your unique needs



**Aqua-Stop**  
White epoxy finish



**Aqua-Stop "Plus"**  
300 series stainless steel housing (60 Series only)

### Aqua-Stop and Aqua-Stop "Plus" Specifications - 60 Series

<b>Torque:</b> 1.5, 3, 6, 10, 15, 20, 25* lb-ft. (*end mount only)	<b>Common Voltages:</b> 115-208/230 VAC 60Hz 208-230/460 VAC 60Hz 575 VAC 60Hz
<b>Frame Sizes:</b> 56C and 143/145TC	190/380 VAC 50Hz
<b>Maximum RPM:</b> 3600	(Other voltages available)

### Aqua-Stop Specifications - 70 Series

<b>Torque:</b> 10, 15, 25, 35, 50, 75 lb-ft.	<b>Common Voltages:</b> 115-208/230 VAC 60Hz 208-230/460 VAC 60Hz 575 VAC 60Hz
<b>Frame Sizes:</b> 182/184TC, 213/215TC, 254/256TC	190/380 VAC 50Hz
<b>Maximum RPM:</b> 3600	(Other voltages available)

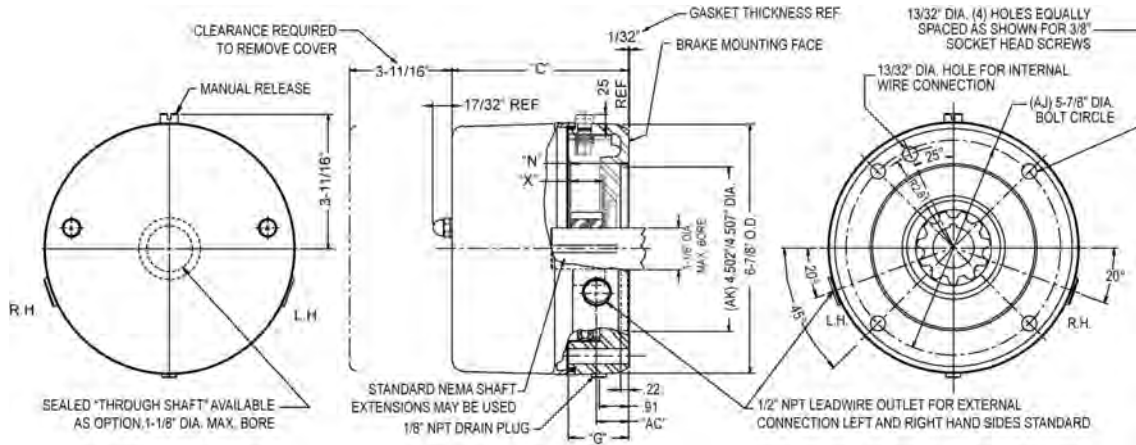
### Washdown Brake Options:

Housing without access windows (SS only)  
Stainless steel hub and/or shaft

Stainless steel sealed bearing & snap rings  
Viton gaskets and O rings  
Other options available

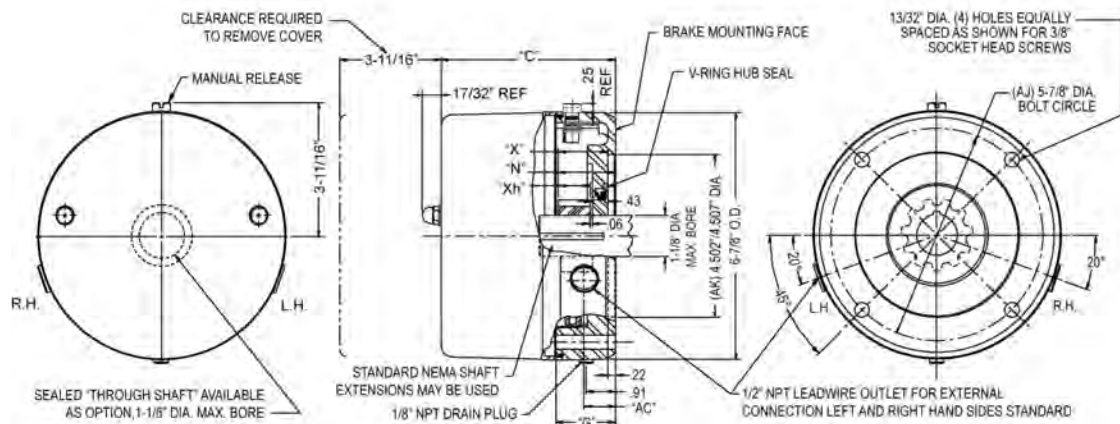
Instructions and Parts Manual: Cast Iron- BK4660 Stainless Steel- BK4661

**without hub seal for Non-TEFC applications**



Torque lb-ft	Model # Cast Iron	Model # Stainless Steel	Wt. Lbs.	Thermal Capacity HPS/Min	Inertia Wk <sup>2</sup> lb-ft <sup>2</sup>	Dimensions in inches				
	Without Hub Seal					C	N	X Hub Length	AC	G
1.5	6-61001-5115	6-61001-5141	16	6	0.008	4.81	1.59	1.37	0.94	1.63
3	6-61003-5115	6-61003-5141	16	6	0.008	4.81	1.59	1.37	0.94	1.63
6	6-61006-5115	6-61006-5141	17	6	0.008	4.81	1.59	1.37	0.94	1.63
10	6-62010-5115	6-62010-5141	17	6	0.013	4.81	1.59	1.37	0.94	1.63
15	6-63015-5115	6-63015-5141	18	6	0.019	5.13	1.90	1.93	0.94	1.94
20	6-63020-5115	6-63020-5141	18	6	0.019	5.13	1.90	1.93	0.94	1.94
25	6-64025-5115	6-64025-5141	19	6	0.022	5.44	2.05	1.83	1.56	2.25

**with hub seal for TEFC applications**



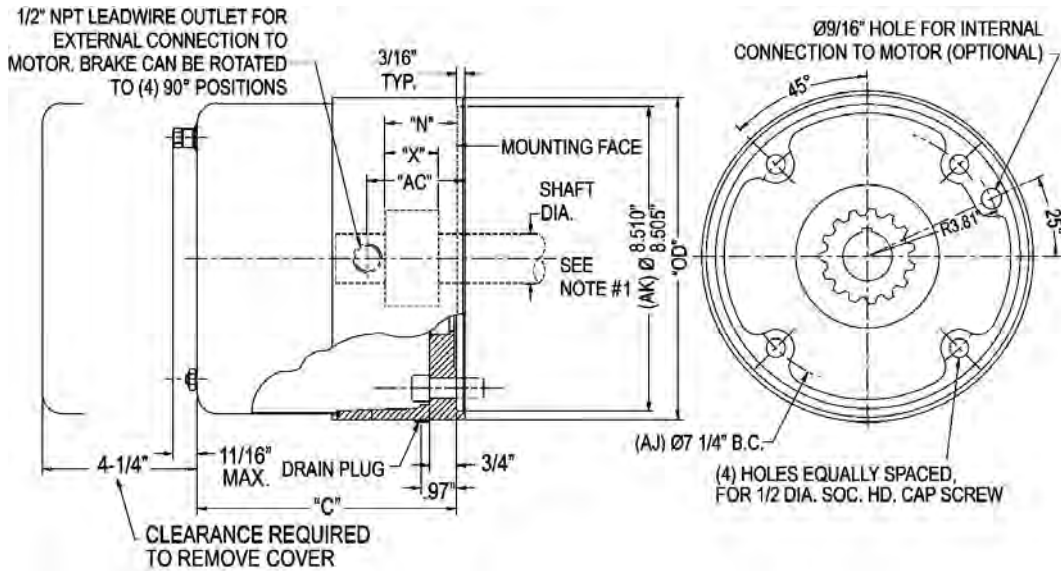
Torque lb-ft	Model # Cast Iron	Model # Stainless Steel	Wt. Lbs.	Thermal Capacity HPS/Min	Inertia Wk <sup>2</sup> lb-ft <sup>2</sup>	Dimensions in inches					
	With Hub Seal					C	N	X* Xh*	AC	G	
1.5	6-61001-5116	6-61001-5140	16	6	0.008	4.81	1.59	1.37	0.88	0.94	1.63
3	6-61003-5116	6-61003-5140	16	6	0.008	4.81	1.59	1.37	0.88	0.94	1.63
6	6-61006-5116	6-61006-5140	17	6	0.008	4.81	1.59	1.37	0.88	0.94	1.63
10	6-62010-5116	6-62010-5140	17	6	0.013	4.81	1.59	1.37	0.88	0.94	1.63
15	6-63015-5116	6-63015-5140	18	6	0.019	5.13	1.90	1.93	1.19	1.25	1.94
20	6-63020-5116	6-63020-5140	18	6	0.019	5.13	1.90	1.93	1.19	1.25	1.94
25	6-64025-5116	6-64025-5140	19	6	0.022	5.44	2.05	1.83	1.34	1.56	2.25

\*\*X\* = Overall length of hub, gap, & V-ring  
 "Xh" = Hub only length

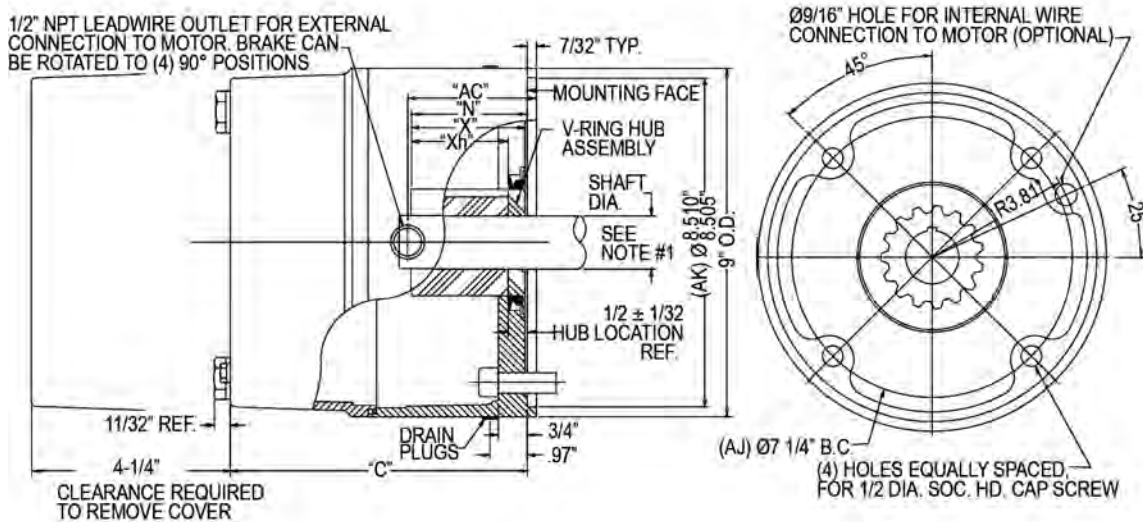
# End Mount 70 Series Dimensions NEMA Frame sizes 182/184TC-254/256TC

## without hub seal for Non-TEFC applications

Construction: Cast Iron  
Instructions and Parts Manual: BK4629



## with hub seal for TEFC applications



**NOTE 1:** The maximum shaft diameter for this brake is 1-5/8". For any given shaft up to and including this diameter, standard NEMA shaft lengths may have to be shortened. Consult factory for specific details. **Spacer is available so that shaft does not need to be modified.**

Torque lb-ft	Model # With Hub Seal	Model # Without Hub Seal	Wt. Lbs.	Thermal Capacity HPS/Min	Inertia Wk <sup>2</sup> lb-ft <sup>2</sup>	Dimensions in inches				
						C	N	X Hub Length (with hub seal)	Xh	AC
10	6-71010-94	6-71010-92	45	10	0.036	5.75	1.50	1.44	1.00	1.25
15	6-71015-94	6-71015-92	45	10	0.036	5.75	1.50	1.44	1.00	1.25
25	6-72025-94	6-72025-92	49	11	0.059	6.37	2.00	1.94	1.50	1.88
35	6-72035-94	6-72035-92	49	11	0.059	6.37	2.00	1.94	1.50	1.88
50	6-73050-94	6-73050-92	53	12	0.083	7.00	2.50	2.44	2.00	2.70
75	6-74075-94	6-74075-92	58	13	0.107	7.62	3.00	2.94	2.50	3.13

\*\*X" = Overall length of hub, gap, & V-ring  
"Xh" = Hub only length

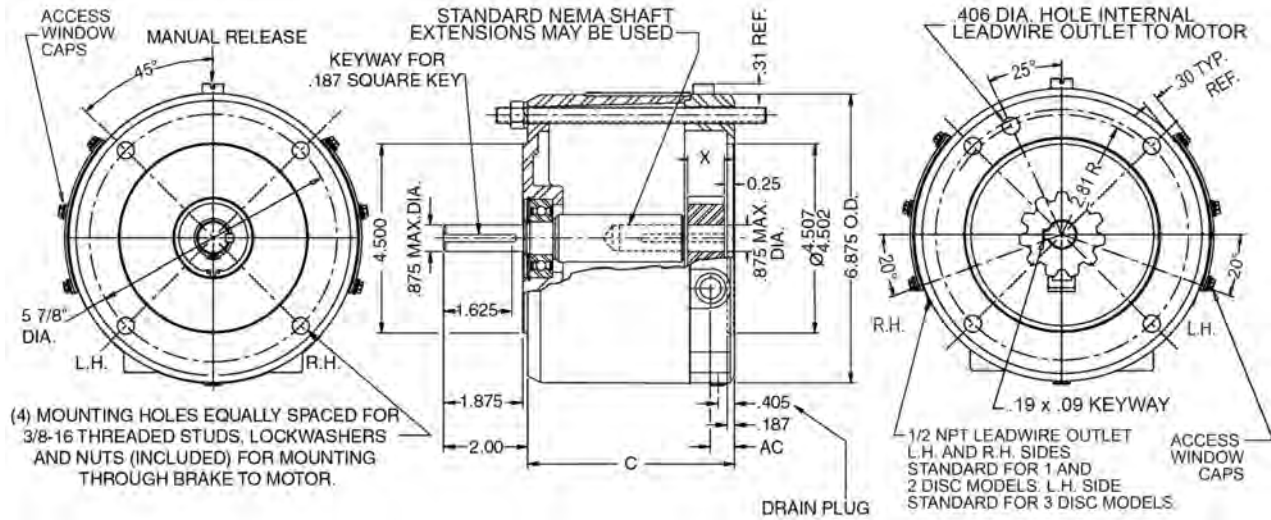


# Double C Face

# 60 Series Dimensions

# NEMA Frame sizes 56C -145TC

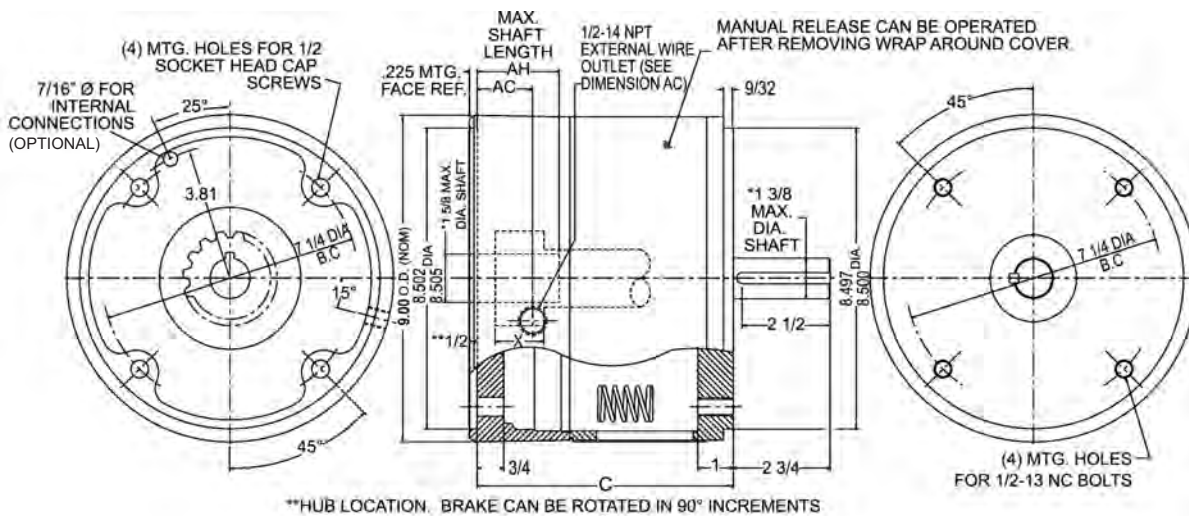
Instructions and Parts Manual: Aluminum- BK4646 Stainless Steel- BK4651



Torque lb-ft	Model # Aluminum / Stainless Steel Window Caps	Wt. Lbs.	Model # Stainless Steel	Wt. Lbs.	Thermal Capacity Hps/min	Inertia Wk <sup>2</sup> lb-ft <sup>2</sup>	Dimensions in inches				
							C	X		AC	
								1-Pc Shaft	2-Pc Shaft	Aluminum	Stainless Steel
1.5	6-61001-5155	11	6-61001-5145	20	6	0.006	4.94	0.81	0.88	0.59	0.63
3	6-61003-5155	11	6-61003-5145	20	6	0.006					
6	6-61006-5155	12	6-61006-5145	21	6	0.006					
10	6-62010-5155	12	6-62010-5145	21	6	0.010					
15	6-63015-5155	13	6-63015-5145	23	6	0.014	5.31	1.19	-	0.87	0.94
20	6-63020-5155	13	6-63020-5145	23	6	0.014					

# 70 Series Dimensions

# NEMA Frame sizes 182/184TC-254/256TC



Torque lb-ft	Double C Face Model #	Wt. Lbs.	Thermal Capacity HPS/Min	Inertia WK <sup>2</sup> lb-ft <sup>2</sup>	Dimensions in inches			
					C	AH	X	AC
10	6-71010-105	45	10	0.069	6.84	1.81*	0.75	1.19
15	6-71015-105	45	10	0.069	6.84	1.81*	0.75	1.19
25	6-72025-105	49	11	0.110	7.47	2.44*	1.38	1.63
25	6-73025-105	53	12	0.150	8.09	3.13	2.00	2.25
35	6-72035-105	49	11	0.110	7.47	2.44*	1.38	1.63
35	6-73035-105	53	12	0.150	8.09	3.13	2.00	2.25
50	6-73050-105	53	12	0.150	8.09	3.13	2.00	2.25
75	6-74075-105	57	13	0.190	8.42	3.25*	2.63	2.88

**Construction:** Cast Iron Bracket, Aluminum Housing  
**Instructions and Parts Manual:** BK4720

\*For 10 or 15 lb-ft brake with 1-3/8" bore, the motor shaft may need to be modified. See dimension "AH".  
 For 25 or 35 lb-ft brake with 1-3/8" bore, use the 3-disc version.  
 For brakes with 1-5/8" bore, motor shaft must be modified. Maximum shaft length shown as dimension "AH".  
**Spacer is available so that shaft does not need to be modified. Consult factory for details.**