

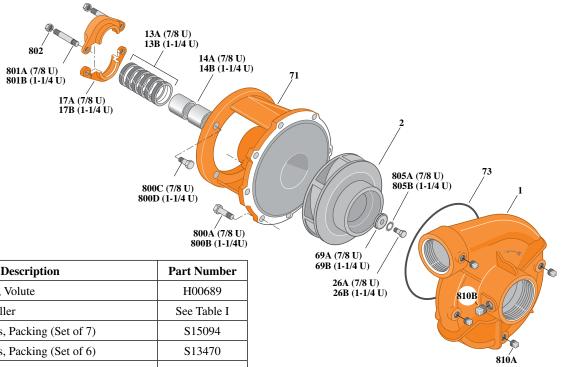
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## CAST IRON IMPELLER

### **B3ZPM**

### **Threaded Case (NPT)**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53820	3	1	1800	7/8"	6.06"	M07709
B53823	3	3	1800	7/8"	6.06"	M07709
B53821	5	1	1800	1-1/4"	7.00"	M07711
B53824	5	3	1800	7/8"	7.00"	M07710

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



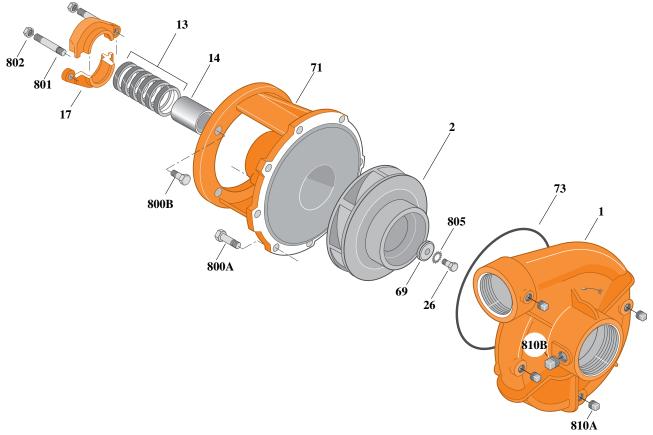
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## CAST IRON IMPELLER

**B3ZPM** 

### **Threaded Case (NPT)**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53822	7.5	1	1800	1-1/4"	7.88"	M07712
B53825	7.5	3	1800	1-1/4"	7.88"	M07712
B55579	10	1	1800	1-1/4"	8.44"	M07713
B53826	10	3	1800	1-1/4"	8.44"	M07713
B51711	15	3	1800	1-1/4"	9.00"	M02911

### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



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### **CAST IRON IMPELLER**

### **B3ZPM**

### **Flanged Case**

26A

26B

32A

32B

69A 69B

71

73

800A

800B

800C

801A

801B

802

805A

805B

810

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Req.)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 3" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Washer, Lock

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

### **Packing Construction**



S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70158	3	1	1800	7/8"	6.06"	M07709
B70236	3	3	1800	7/8"	6.06"	M07709
B70159	5	1	1800	1-1/4"	7.00"	M07711
B70237	5	3	1800	7/8"	7.00"	M07710

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



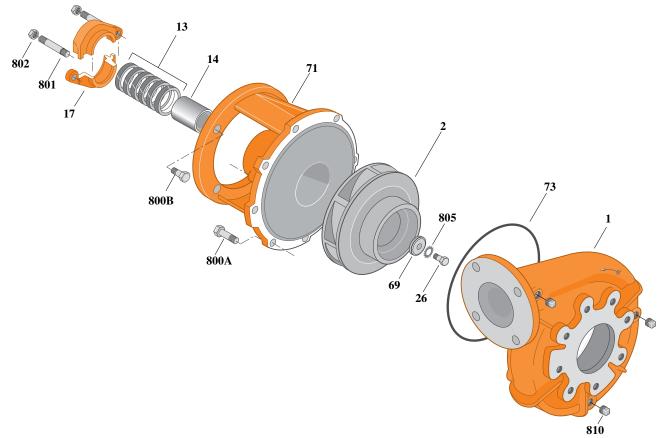
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## CAST IRON IMPELLER

### **B3ZPM**

## **Flanged Case**

## **Packing Construction**



Ta		

Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70163	7.5	1	1800	1-1/4"	7.88"	M07712
B70239	7.5	3	1800	1-1/4"	7.88"	M07712
B70166	10	1	1800	1-1/4"	8.44"	M07713
B70240	10	3	1800	1-1/4"	8.44"	M07713
B70241	15	3	1800	1-1/4"	9.00"	M02911

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



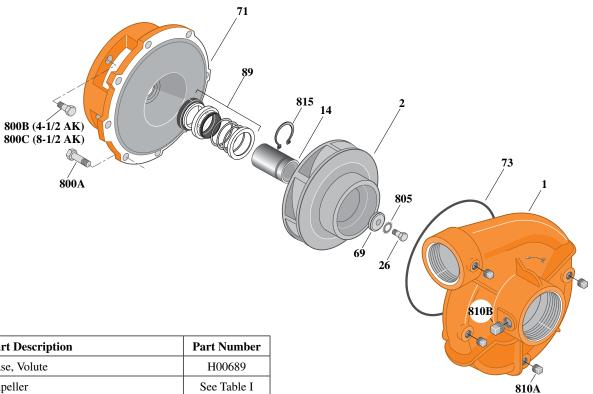
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## **CAST IRON IMPELLER**

### **B3ZPMS**

### **Threaded Case (NPT)**

## **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S11207

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section. **NOTE 2**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54599	3	1	1800	7/8"	6.06"	M07709
B54603	3	3	1800	7/8"	6.06"	M07709
B54600	5	1	1800	7/8"	7.00"	M07710
B54604	5	3	1800	7/8"	7.00"	M07710
B54601	7.5	1	1800	7/8"	7.88"	M07764
B54605	7.5	3	1800	7/8"	7.88"	M07764
B54652	10	1	1800	7/8"	8.44"	M07765
B54606	10	3	1800	7/8"	8.44"	M07765

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184 <b>JM</b>
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM



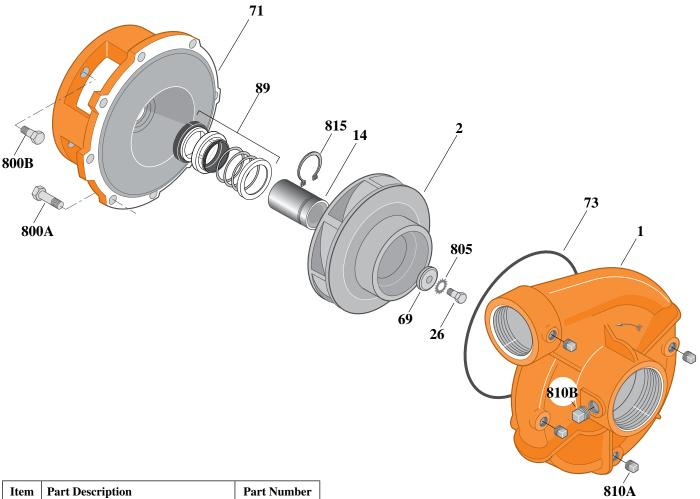
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## CAST IRON IMPELLER

### **B3ZPMS**

## **Threaded Case (NPT)**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1"(8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54118	15	3	1800	1-1/4"	9.00"	M02911

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



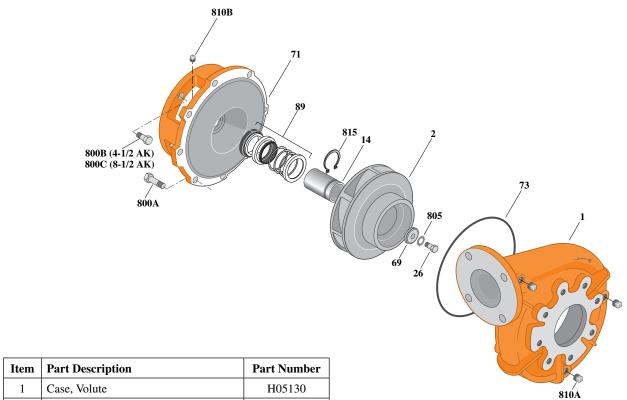
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## CAST IRON IMPELLER

### **B3ZPMS**

### **Flanged Case**

## **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S11207

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section. **NOTE 2**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

#### Table I

Table 1							
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B70169	3	1	1800	7/8"	6.06"	M07709	
B70244	3	3	1800	7/8"	6.06"	M07709	
B70172	5	1	1800	7/8"	7.00"	M07710	
B70245	5	3	1800	7/8"	7.00"	M07710	
B70175	7.5	1	1800	7/8"	7.88"	M07764	
B70247	7.5	3	1800	7/8"	7.88"	M07764	
B70178	10	1	1800	7/8"	8.44"	M07765	
B70248	10	3	1800	7/8"	8.44"	M07765	

### Table II

PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame			
1	L05332	4-1/2"	7/8"	184JM			
3	L05332	4-1/2"	7/8"	182JM			
1	L05331	8-1/2"	7/8"	213JM			
3	L05332	4-1/2"	7/8"	184JM			
1	L05331	8-1/2"	7/8"	215JM			
3	L05331	8-1/2"	7/8"	213JM			
1	L05331	8-1/2"	7/8"	215JM			
3	L05331	8-1/2"	7/8"	215JM			
	1 3 1 3 1 3	1 L05332 3 L05332 1 L05331 3 L05332 1 L05331 3 L05331 1 L05331	1 L05332 4-1/2" 3 L05332 4-1/2" 1 L05331 8-1/2" 3 L05332 4-1/2" 1 L05331 8-1/2" 3 L05331 8-1/2" 1 L05331 8-1/2"	1     L05332     4-1/2"     7/8"       3     L05332     4-1/2"     7/8"       1     L05331     8-1/2"     7/8"       3     L05332     4-1/2"     7/8"       1     L05331     8-1/2"     7/8"       3     L05331     8-1/2"     7/8"       1     L05331     8-1/2"     7/8"       1     L05331     8-1/2"     7/8"			



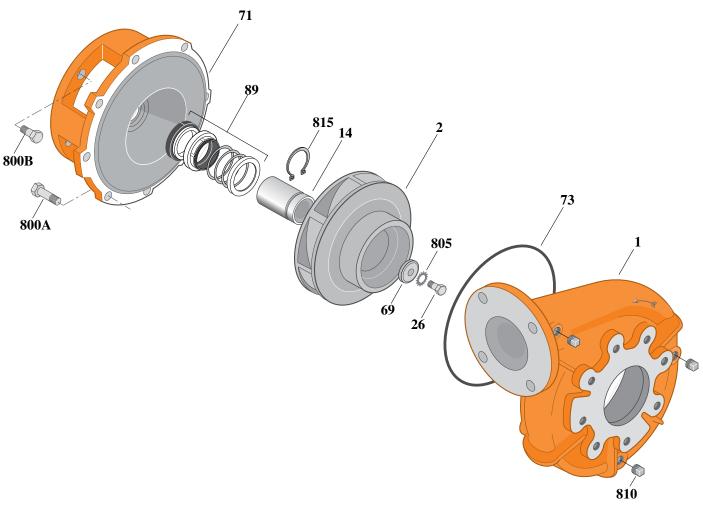
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## CAST IRON IMPELLER

### **B3ZPMS**

### **Flanged Case**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S16767

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70249	15	3	1800	1-1/4"	9.00"	M02911

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



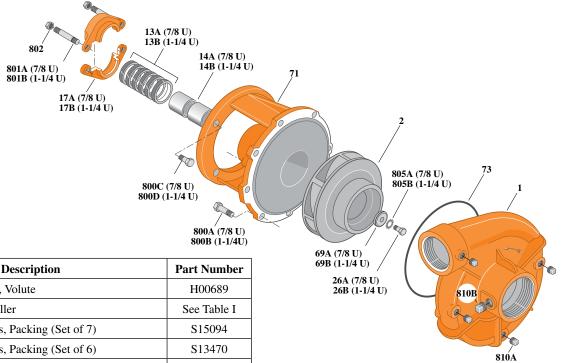
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## BRONZE IMPELLER

### **B3ZPM**

### **Threaded Case (NPT)**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66568	3	1	1800	7/8"	6.06"	L06697
B66569	3	3	1800	7/8"	6.06"	L06697
B66580	5	1	1800	1-1/4"	7.00"	L06692
B66581	5	3	1800	7/8"	7.00"	L06696

### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



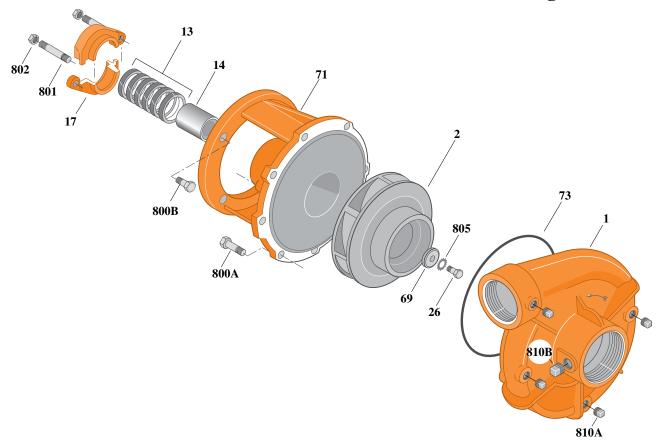
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## BRONZE IMPELLER

### **B3ZPM**

## **Threaded Case (NPT)**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66590	7.5	1	1800	1-1/4"	7.88"	L06694
B66591	7.5	3	1800	1-1/4"	7.88"	L06694
B66600	10	1	1800	1-1/4"	8.44"	L06693
B66601	10	3	1800	1-1/4"	8.44"	L06693
B66608	15	3	1800	1-1/4"	9.00"	L06691

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



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### SILICON BRONZE IMPELLER

**B3ZPM** 

### **Threaded Case (NPT)**

Item

1

2

13A

13B

14A

14B

17A

17B

26A

26B

32A

32B

69A

69B

71

73

800A

800B

800C

801A

801B

802

805A

805B

810A

810B

Sleeve, Shaft

Gland, Packing

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Req.)

Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

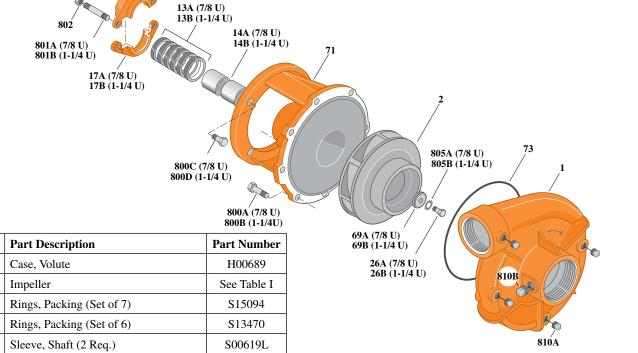
Plug, Pipe 1/4 NPT (4 Req.)

Washer, Lock

Washer, Lock

Plug, Pipe 1/2 NPT

### **Packing Construction**



S05149L

B82469

B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

S23717

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66568S	3	1	1800	7/8"	6.06"	H05480
B66569S	3	3	1800	7/8"	6.06"	H05480
B66580S	5	1	1800	1-1/4"	7.00"	H05478
B66581S	5	3	1800	7/8"	7.00"	H05481

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



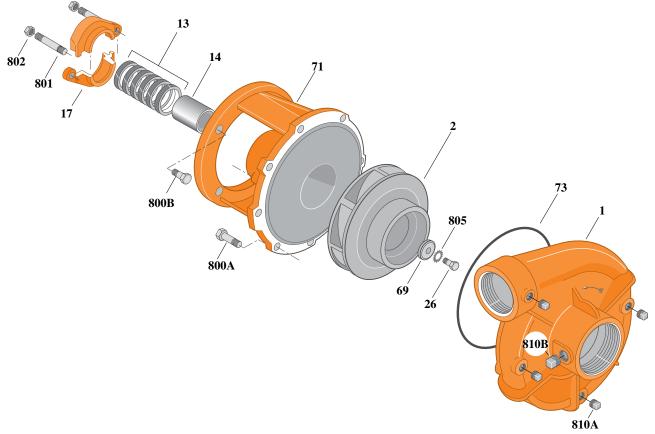
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## SILICON BRONZE IMPELLER

B3ZPM

### **Threaded Case (NPT)**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66590S	7.5	1	1800	1-1/4"	7.88"	H05477
B66591S	7.5	3	1800	1-1/4"	7.88"	H05477
B66600S	10	1	1800	1-1/4"	8.44"	H05476
B66601S	10	3	1800	1-1/4"	8.44"	H05476
B66608S	15	3	1800	1-1/4"	9.00"	H05479

### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



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### BRONZE IMPELLER

### B3ZPM

### **Flanged Case**

17B

26A

26B

32A

32B

69A 69B

71

73

800A

800B

800C

801A

801B

802

805A

805B

810

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Req.)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 3" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

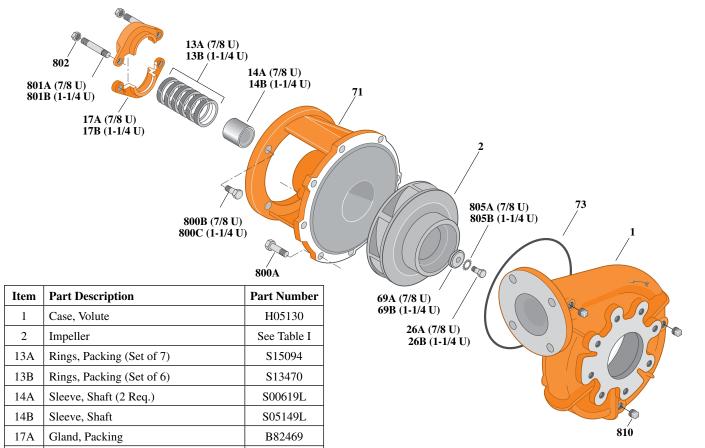
Plug, Pipe 1/4 NPT (3 Req.)

Washer, Lock

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

### **Packing Construction**



B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71930	3	1	1800	7/8"	6.06"	L06697
B71931	3	3	1800	7/8"	6.06"	L06697
B71932	5	1	1800	1-1/4"	7.00"	L06692
B71933	5	3	1800	7/8"	7.00"	L06696

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



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## BRONZE IMPELLER

### **Flanged Case**

800A

800B

801

802

805

810

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

## **Packing Construction**

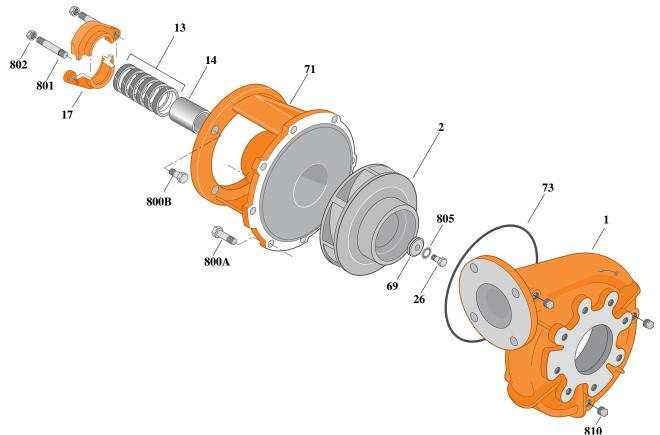


Table I

Part Description	Part Number		B/M	No.	HP	PH	RP	M	"U" D	im.	Imp. I	Dia.	Imp. No.
1 art Description	1 alt Nullibel		B719	34	7.5	1	180	00	1-1/4	1"	7.88	,,	L06694
Case, Volute	H05130			-				-					
Impeller	See Table I		B719	935	7.5	3	180	)0	1-1/4	4"	7.88	"	L06694
Rings Packing (Set of 6)	\$13470		B719	36	10	1	180	00	1-1/4	4"	8.44	,,	L06693
Kings, 1 deking (Set of 6)	313470		B71937		10	3	180	00	1-1/4	1"	8 44	,,	L06693
Sleeve, Shaft	S05149L					-		-					
Gland, Packing	B82470		B719	939	15	15   3   180		300   1-1/4"		1"	9.00	"	L06691
Screw, Impeller 1/2 - 13 x 1"	S23619		Table II										
Key, 1/4 x 2-1/4" (See Note 1)	S23677		HP	PH	Br	Bracket No.		"Al	K" Fit	"U'	'Dim.	Mo	otor Frame
Washer, Impeller	S06319		7.5	1	]	L0382	27	8-	1/2"	1-	1/4"		215JP
Bracket	See Table II		7.5	3	]	L0382	27	8-	1/2"	1-	1/4"		213JP
O-Ring (See Note 2)	M14943		10	1	]	L0382	27	8-	1/2"	1-	1/4"		215JP
	Impeller Rings, Packing (Set of 6) Sleeve, Shaft Gland, Packing Screw, Impeller 1/2 - 13 x 1" Key, 1/4 x 2-1/4" (See Note 1) Washer, Impeller Bracket	Case, Volute         H05130           Impeller         See Table I           Rings, Packing (Set of 6)         S13470           Sleeve, Shaft         S05149L           Gland, Packing         B82470           Screw, Impeller 1/2 - 13 x 1"         S23619           Key, 1/4 x 2-1/4" (See Note 1)         S23677           Washer, Impeller         S06319           Bracket         See Table II	Case, Volute         H05130           Impeller         See Table I           Rings, Packing (Set of 6)         S13470           Sleeve, Shaft         S05149L           Gland, Packing         B82470           Screw, Impeller 1/2 - 13 x 1"         S23619           Key, 1/4 x 2-1/4" (See Note 1)         S23677           Washer, Impeller         S06319           Bracket         See Table II	Part Description         Part Number           Case, Volute         H05130           Impeller         See Table I           Rings, Packing (Set of 6)         S13470           Sleeve, Shaft         S05149L           Gland, Packing         B82470           Screw, Impeller 1/2 - 13 x 1"         S23619           Key, 1/4 x 2-1/4" (See Note 1)         S23677           Washer, Impeller         S06319           Bracket         See Table II	Case, Volute       H05130         Impeller       See Table I         Rings, Packing (Set of 6)       S13470         Sleeve, Shaft       S05149L         Gland, Packing       B82470         Screw, Impeller 1/2 - 13 x 1"       S23619         Key, 1/4 x 2-1/4" (See Note 1)       S23677         Washer, Impeller       S06319         Bracket       See Table II	Part Description         Part Number           Case, Volute         H05130           Impeller         See Table I           Rings, Packing (Set of 6)         S13470           Sleeve, Shaft         S05149L           Gland, Packing         B82470           Screw, Impeller 1/2 - 13 x 1"         S23619           Key, 1/4 x 2-1/4" (See Note 1)         S23677           Washer, Impeller         S06319           Bracket         See Table II	Part Description         Part Number           Case, Volute         H05130           Impeller         See Table I           Rings, Packing (Set of 6)         S13470           Sleeve, Shaft         S05149L           Gland, Packing         B82470           Screw, Impeller 1/2 - 13 x 1"         S23619           Key, 1/4 x 2-1/4" (See Note 1)         S23677           Washer, Impeller         S06319           Bracket         See Table II	Part Description         Part Number           Case, Volute         H05130           Impeller         See Table I           Rings, Packing (Set of 6)         S13470           Sleeve, Shaft         S05149L           Gland, Packing         B82470           Screw, Impeller 1/2 - 13 x 1"         S23619           Key, 1/4 x 2-1/4" (See Note 1)         S23677           Washer, Impeller         S06319           Bracket         See Table II	Part Description         Part Number           Case, Volute         H05130           Impeller         See Table I           Rings, Packing (Set of 6)         S13470           Sleeve, Shaft         S05149L           Gland, Packing         B82470           Screw, Impeller 1/2 - 13 x 1"         S23619           Key, 1/4 x 2-1/4" (See Note 1)         S23677           Washer, Impeller         S06319           Bracket         See Table II	Part Description	Part Description	Part Number   Case, Volute   H05130   B71934   7.5   1   1800   1-1/4"   7.88"   Rings, Packing (Set of 6)   S13470   Sleeve, Shaft   S05149L   Gland, Packing   Serew, Impeller 1/2 - 13 x 1"   S23619   Screw, Impeller 1/2 - 13 x 1"   S23677   Washer, Impeller   S06319   Bracket   See Table II   See Table II   See Table II   Ta	Part Description

S26826

S26916

S08303

S23343

S23038

S23715

10

15

3

3

L03827

L03827

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

8-1/2"

8-1/2"

1-1/4"

1-1/4"

**NOTE 2**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

215JP

254JP



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### SILICON BRONZE IMPELLER

B3ZPM

### **Flanged Case**

17B

26A

26B

32A

32B

69A 69B

71

73

800A

800B

800C

801A

801B

802

805A

805B

810

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Req.)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 3" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

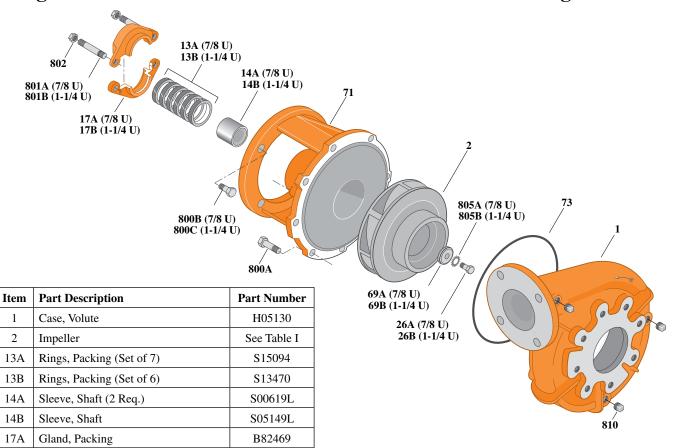
Plug, Pipe 1/4 NPT (3 Req.)

Washer, Lock

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

### **Packing Construction**



B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71930S	3	1	1800	7/8"	6.06"	H05480
B71931S	3	3	1800	7/8"	6.06"	H05480
B71932S	5	1	1800	1-1/4"	7.00"	H05478
B71933S	5	3	1800	7/8"	7.00"	H05481

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



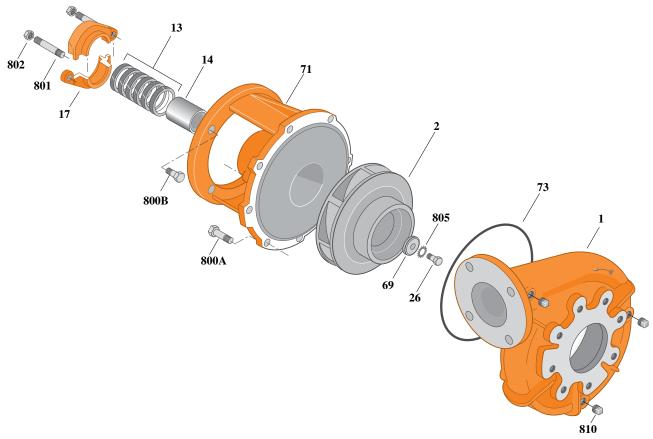
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## SILICON BRONZE IMPELLER

**B3ZPM** 

## **Flanged Case**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038

S23715

Plug, Pipe 1/4 NPT (3 Req.)

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71934S	7.5	1	1800	1-1/4"	7.88"	H05477
B71935S	7.5	3	1800	1-1/4"	7.88"	H05477
B71936S	10	1	1800	1-1/4"	8.44"	H05476
B71937S	10	3	1800	1-1/4"	8.44"	H05476
B71939S	15	3	1800	1-1/4"	9.00"	H05479

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



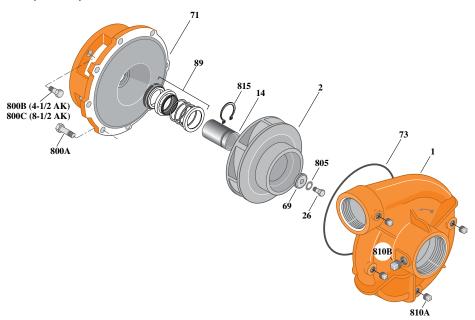
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## BRONZE IMPELLER

### **B3ZPMS**

### **Threaded Case (NPT)**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S11207

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B66570							
B66571							
B66582			т	hasa R/M Nu	mbers		
B66583		These B/M Numbers Are No Longer Available.					
B66592		C	na Daga	100 14 1 for C	Current Medal	_	
B66593		56	ee Page	190.14.1 for C	urrent woaer	S.	
B66602							
B66603							

### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



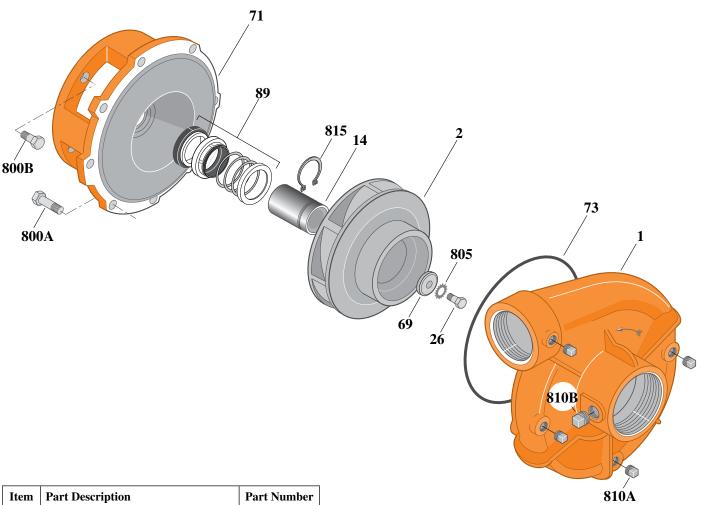
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## BRONZE IMPELLER

### **B3ZPMS**

### **Threaded Case (NPT)**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1"(8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66609	No Longer Available. See Below For Current Model.					
B66609S	15	3	1800	1-1/4"	9.00"	H05479

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



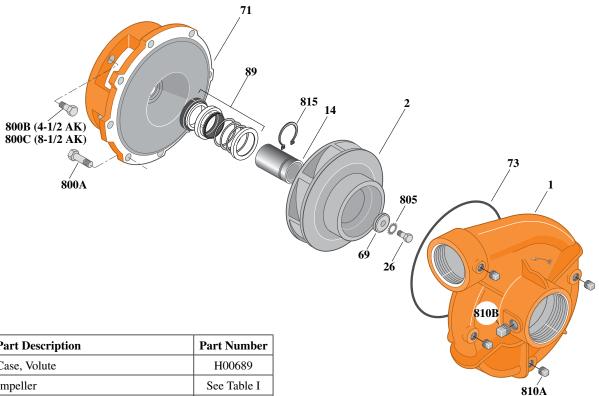
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## SILICON BRONZE IMPELLER

**B3ZPMS** 

### **Threaded Case (NPT)**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	800A Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S11207

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section. **NOTE 2**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

### Table I

14676 1						
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66570S	3	1	1800	7/8"	6.06"	H05480
B66571S	3	3	1800	7/8"	6.06"	H05480
B66582S	5	1	1800	7/8"	7.00"	H05481
B66583S	5	3	1800	7/8"	7.00"	H05481
B66592S	7.5	1	1800	7/8"	7.88"	H05482
B66593S	7.5	3	1800	7/8"	7.88"	H05482
B66602S	10	1	1800	7/8"	8.44"	H05483
B66603S	10	3	1800	7/8"	8.44"	H05483

### **Table II**

			IUDIC II		
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM



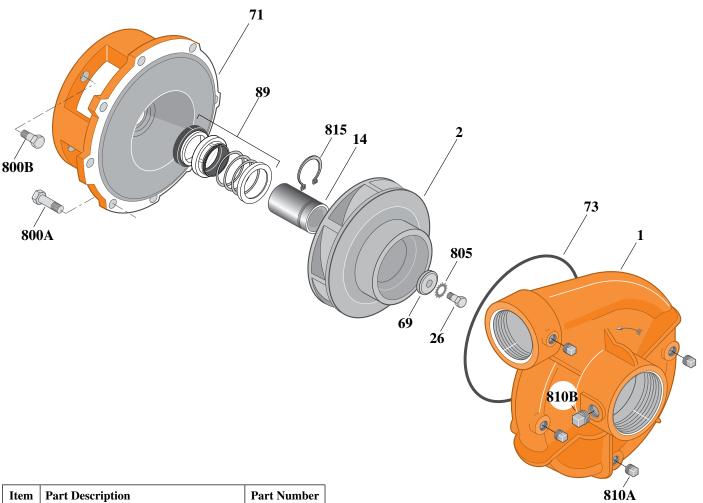
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## SILICON BRONZE IMPELLER

**B3ZPMS** 

### **Threaded Case (NPT)**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1"(8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66609S	15	3	1800	1-1/4"	9.00"	H05479

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



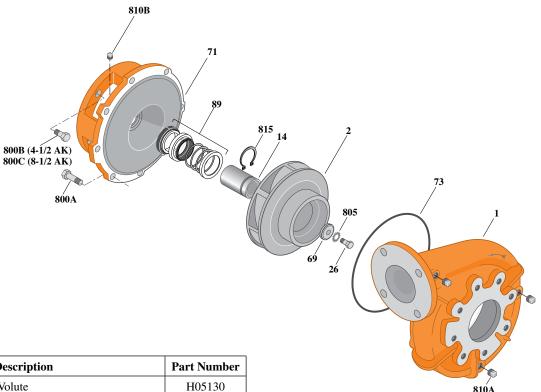
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## BRONZE IMPELLER

### **B3ZPMS**

## **Flanged Case**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S11207

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section. **NOTE 2**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.		
B71940								
B71941								
B71942			т	D/M/ N				
B71943		These B/M Numbers Are No Longer Available.						
B71944		See Page 190.16.1 for Current Models.						
B71945								
B71946								
B71947								

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM



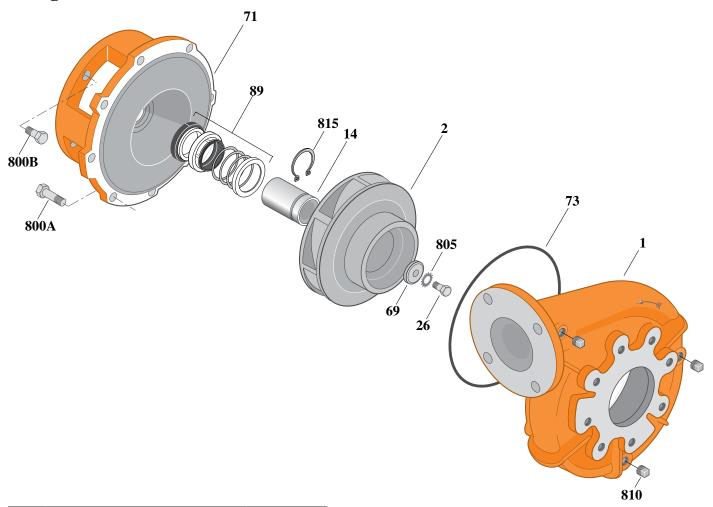
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## BRONZE IMPELLER

### **B3ZPMS**

### **Flanged Case**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S16767

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71949	No Longer Available. See Below For Current Model.					
B71949S	15	3	1800	1-1/4"	9.00"	H05479

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



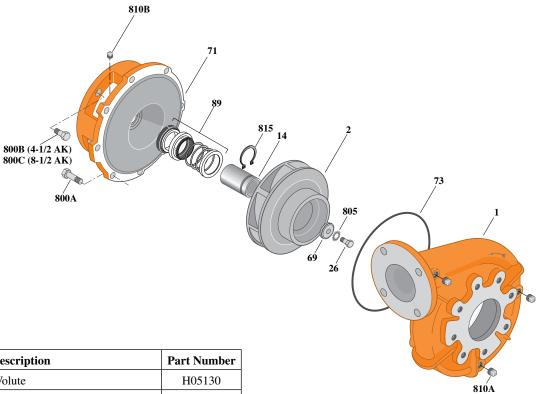
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## SILICON BRONZE IMPELLER

**B3ZPMS** 

### **Flanged Case**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S11207

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section. **NOTE 2**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

#### Table I

Table 1							
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B71940S	3	1	1800	7/8"	6.06"	H05480	
B71941S	3	3	1800	7/8"	6.06"	H05480	
B71942S	5	1	1800	7/8"	7.00"	H05481	
B71943S	5	3	1800	7/8"	7.00"	H05481	
B71944S	7.5	1	1800	7/8"	7.88"	H05482	
B71945S	7.5	3	1800	7/8"	7.88"	H05482	
B71946S	10	1	1800	7/8"	8.44"	H05483	
B71947S	10	3	1800	7/8"	8.44"	H05483	

### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame		
3	1	L05332	4-1/2"	7/8"	184JM		
3	3	L05332	4-1/2"	7/8"	182JM		
5	1	L05331	8-1/2"	7/8"	213JM		
5	3	L05332	4-1/2"	7/8"	184JM		
7.5	1	L05331	8-1/2"	7/8"	215JM		
7.5	3	L05331	8-1/2"	7/8"	213JM		
10	1	L05331	8-1/2"	7/8"	215JM		
10	3	L05331	8-1/2"	7/8"	215JM		



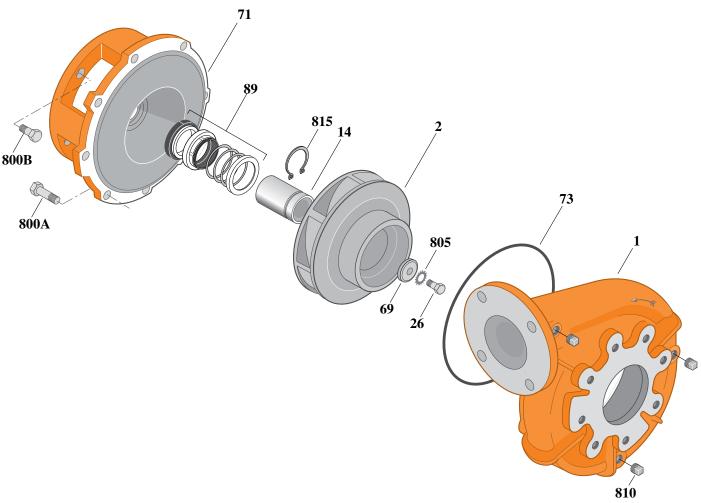
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## SILICON BRONZE IMPELLER

**B3ZPMS** 

### **Flanged Case**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S16767

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71949S	15	3	1800	1-1/4"	9.00"	H05479

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



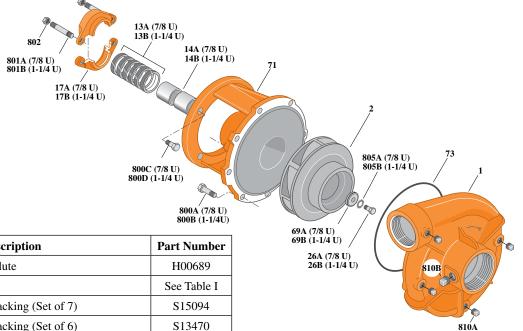
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## SILICON BRONZE IMPELLER

### **B3ZPM**

### **Threaded Case (NPT)**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800D	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock S23	
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66568S	3	1	1800	7/8"	6.06"	H05480
B66569S	3	3	1800	7/8"	6.06"	H05480
B66580S	5	1	1800	1-1/4"	7.00"	H05478
B66581S	5	3	1800	7/8"	7.00"	H05481

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



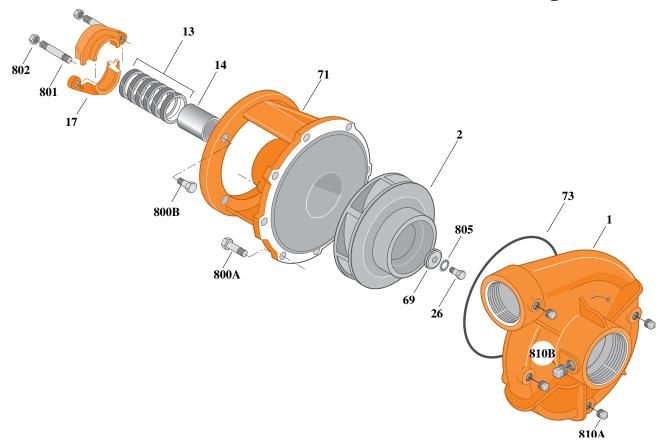
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## SILICON BRONZE IMPELLER

**B3ZPM** 

### **Threaded Case (NPT)**

## **Packing Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66590S	7.5	1	1800	1-1/4"	7.88"	H05477
B66591S	7.5	3	1800	1-1/4"	7.88"	H05477
B66600S	10	1	1800	1-1/4"	8.44"	H05476
B66601S	10	3	1800	1-1/4"	8.44"	H05476
B66608S	15	3	1800	1-1/4"	9.00"	H05479

### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



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### SILICON BRONZE IMPELLER

**B3ZPM** 

### **Flanged Case**

17B

26A

26B

32A

32B

69A 69B

71

73

800A

800B

800C

801A

801B

802

805A

805B

810

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Stud, 3/8 - 16 x 3" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

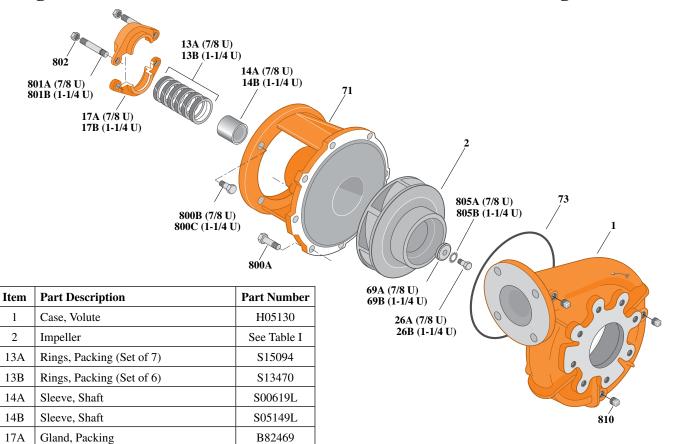
Plug, Pipe 1/4" NPT (3 Req.)

Washer, Lock

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

### **Packing Construction**



B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26826

S26916

S04439

S08303

S23343

S23036

S23038

S23715

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71930S	3	1	1800	7/8"	6.06"	H05480
B71931S	3	3	1800	7/8"	6.06"	H05480
B71932S	5	1	1800	1-1/4"	7.00"	H05478
B71933S	5	3	1800	7/8"	7.00"	H05481

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184ЈР
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184ЈР

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



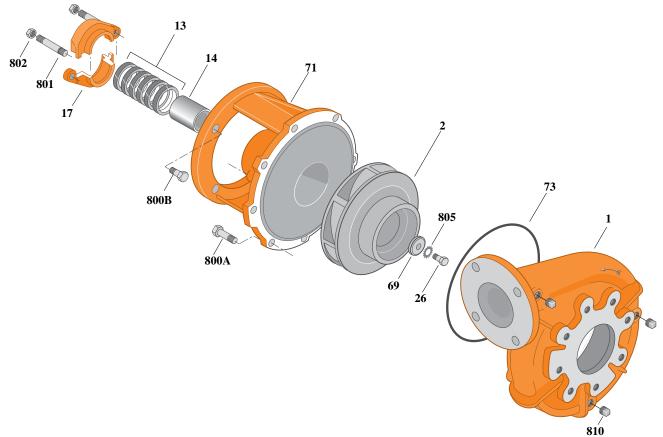
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## SILICON BRONZE IMPELLER

B3ZPM

## **Flanged Case**

## **Packing Construction**



٦.	h	$\mathbf{L}$	T

Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71934S	7.5	1	1800	1-1/4"	7.88"	H05477
B71935S	7.5	3	1800	1-1/4"	7.88"	H05477
B71936S	10	1	1800	1-1/4"	8.44"	H05476
B71937S	10	3	1800	1-1/4"	8.44"	H05476
B71939S	15	3	1800	1-1/4"	9.00"	H05479

#### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	<b>Motor Frame</b>
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.



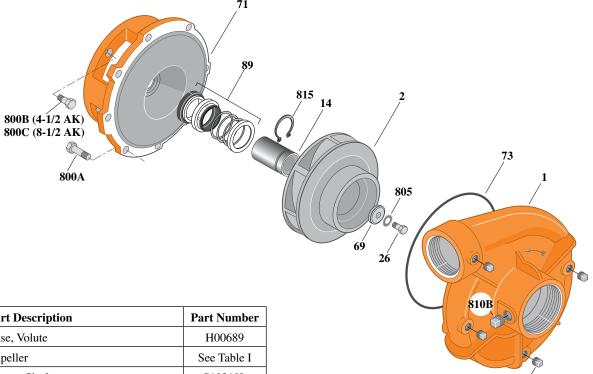
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## SILICON BRONZE IMPELLER

### **B3ZPMS**

### **Threaded Case (NPT)**

### **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>\*</sup> Not illustrated.

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section. **NOTE 2**: For seal flush line details, see *Supplement D*. **NOTE 3**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

#### Table I

810A

Table 1							
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B66570S	3	1	1800	7/8"	6.06"	H05480	
B66571S	3	3	1800	7/8"	6.06"	H05480	
B66582S	5	1	1800	7/8"	7.00"	H05481	
B66583S	5	3	1800	7/8"	7.00"	H05481	
B66592S	7.5	1	1800	7/8"	7.88"	H05482	
B66593S	7.5	3	1800	7/8"	7.88"	H05482	
B66602S	10	1	1800	7/8"	8.44"	H05483	
B66603S	10	3	1800	7/8"	8.44"	H05483	

### **Table II**

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM



## **TYPE "B" SINGLE STAGE CENTRIFUGAL PUMP Electric Motor Drive**

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### SILICON BRONZE IMPELLER

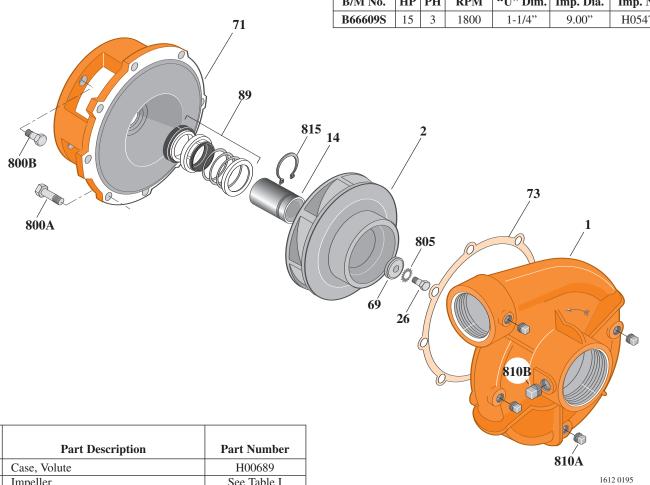
## **B3ZPMS**

**Threaded Case (NPT)** 

### **Mechanical Shaft Seal Construction**

**TABLE I** 

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66609S	15	3	1800	1-1/4"	9.00"	H05479



HP PH

15 3 Bracket No.

L04615

Item		
No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1"(8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

**TABLE II** 

8-1/2"

"AK" Fit | "U" Dim.

1-1/4"

**Motor Frame** 

254JM

**NOTE:** For seal flush line details, see *Supplement D*.

<sup>•</sup> Not illustrated.



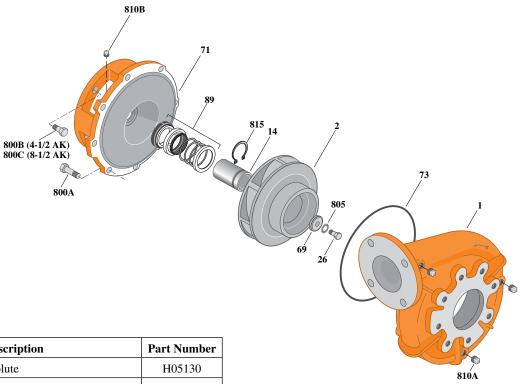
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### SILICON BRONZE IMPELLER

### **B3ZPMS**

### **Flanged Case**

## **Mechanical Shaft Seal Construction**



Item	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4" NPT (3 Req.)	S23715
810B	Plug, Pipe 1/8" NPT (In Bracket)	S23714
815	Ring, Retaining	S11207

<sup>\*</sup> Not illustrated.

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section. **NOTE 2**: For seal flush line details, see *Supplement D*. **NOTE 3**: Also accepts gasket S05126 as replacement for o-ring. See *Supplement E* located at the beginning of this section.

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71940S	3	1	1800	7/8"	6.06"	H05480
B71941S	3	3	1800	7/8"	6.06"	H05480
B71942S	5	1	1800	7/8"	7.00"	H05481
B71943S	5	3	1800	7/8"	7.00"	H05481
B71944S	7.5	1	1800	7/8"	7.88"	H05482
B71945S	7.5	3	1800	7/8"	7.88"	H05482
B71946S	10	1	1800	7/8"	8.44"	H05483
B71947S	10	3	1800	7/8"	8.44"	H05483

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame		
3	1	L05332	4-1/2"	7/8"	184JM		
3	3	L05332	4-1/2"	7/8"	182JM		
5	1	L05331	8-1/2"	7/8"	213JM		
5	3	L05332	4-1/2"	7/8"	184JM		
7.5	1	L05331	8-1/2"	7/8"	215JM		
7.5	3	L05331	8-1/2"	7/8"	213JM		
10	1	L05331	8-1/2"	7/8"	215JM		
10	3	L05331	8-1/2"	7/8"	215JM		



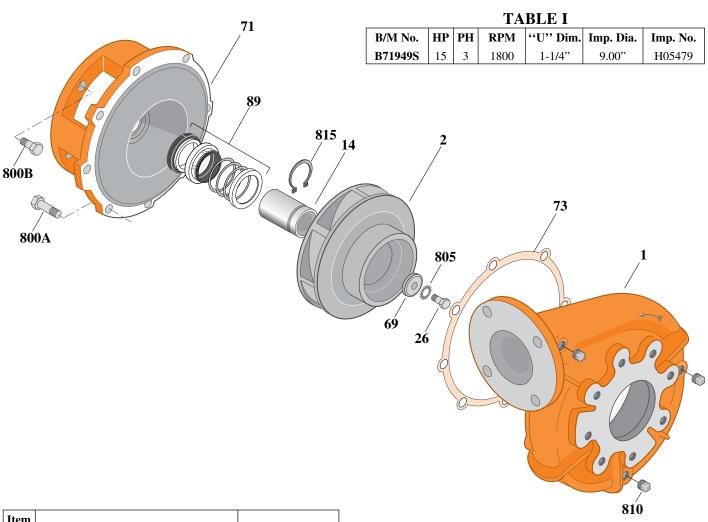
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## SILICON BRONZE IMPELLER

### **B3ZPMS**

### **Flanged Case**

### **Mechanical Shaft Seal Construction**



Item No.	Part Description	Part Number
	Tart Description	
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### TABLE II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to *Supplement A* located at the beginning of this section.

**NOTE:** For seal flush line details, see *Supplement D*.