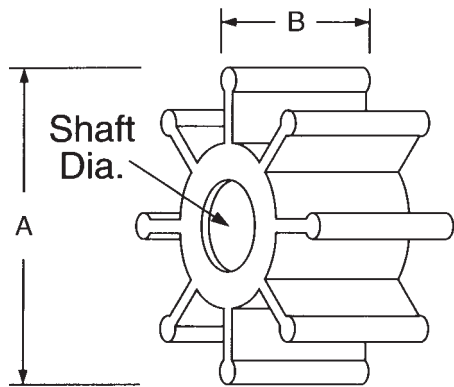


04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE



Flexible Impeller Compounds



- 1 SLOTTED SHAFT PIN DRIVE
- 2 THROUGH HOLE PIN DRIVE
- 3 KEY DRIVE
- 4 SINGLE FLAT DRIVE
- 5 DOUBLE FLAT DRIVE
- 6 DING DRIVE KEYWAY
- 7 SPLINE DRIVE
- 8 RIBBED SEGMENT KEY

JABSCO flexible impellers are available in the following materials:

- NEOPRENE is the standard impeller material used in most flexible impeller pumps. It offers a wide range of chemical resistant properties. Temperature range: refer to page 117.
- NITRILE impellers offer compatibility with oil products. It handles a wide range of oils, oil and water emulsions, diesel fuel, lower fraction hydrocarbons, kerosene, lubricating and machine cutting oil. Lower temperatures affect priming ability and performance characteristics. Generally, nitrile performance is 10% below that of neoprene. Temperature range: 50°F (10°C) to 180°F (82.2°C).
- VITON impellers are recommended when pumping hydrocarbons,

solvents and severely corrosive chemicals. Viton is not recommended for low temperature or high pressure applications. Temperature range: 60°F (15.6°C) to 180°F (82.2°C).

- SANITARY NEOPRENE impellers are used in hygienic flexible impeller pumps for applications pumping food, beverage and pharmaceutical products. Temperature range: 45°F (7.2°C) to 165°F (73.9°C).
- NATURAL RUBBER impellers are used in cold water applications. Temperature range: 22°F (-5.6°C) to 120°F (48.9°C).
- SANITARY EPDM impellers are used for elevated temperature hygienic applications to 185°F (85°C). EPDM is compatible with some ketone solvents. Temperature range: 60°F (15.6°C) to 185°F (85°C).

Flexible Impeller Cross-Reference

IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE
4527-0001	G	6760-0003	O	8980-0005	L	14282-0003	M	17370-0001	Q
-0003	G	7273-0001	G	8981-0002	M	-0004	M	17486-0001	H
4528-0001	D	-0003	G	-0005	M	14346-0002	Q	17935-0001	Q
-0003	D	-0004	G	8983-0002	P	-0003	Q	17936-0001	Q
4568-0001	K	7614-0002	K	-0003	P	-0004	Q	17937-0001	Y
-0003	K	-0005	K	-0004	P	-0005	Q	17956-0001	Y
4598-0001	M	8500-0005	AA	-0005	P	14609-0001	C	18018-0001	O
-0003	K	8600-0002	V	8984-0005	R	-0003	C	18673-0001	I
5606-0001	G	-0003	V	9200-0001	F	14750-0001	B	-0003	I
-0003	G	-0005	V	-0003	F	-0003	B	18786-0001	R
-0004	G	8713-0005	U	-0021	F	14787-0001	C	-0003	R
5616-0001	G	8840-0002	N	-0023	F	-0003	C	18815-0001	L
5915-0001	N	-0004	N	11979-0001	M	14792-0001	A	18838-0001	W
5929-0001	K	-0005	N	12104-0001	A	-0003	A	18948-0001	X
-0003	K	-0006	N	12326-0001	M	14868-0001	M	21899-0005	U
6056-0003	M	8963-0002	S	-0003	M	14874-0001	I	22120-0001	K
6174-0001	K	-0005	S	14281-0001	K	-0003	I		
-0003	K	8980-0002	L	-0003	K	-0004	I		
6303-0001	H	-0003	L	-0004	K	17255-0003	D		
-0003	H	-0004	L	14282-0001	M	17273-0004	I		

IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIA.	INSERT MATERIALS	REMARKS
				A	B			

SILHOUETTE A

1414-0001	Neoprene	4	6	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	BR	
-0003	Nitrile	4	6	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	BR	
12104-0001	Neoprene	2	6	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	BR	Onan (Use 6-32 x 5/8 Hd'l's Screw)
14792-0001	Neoprene	4	6	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	SS	
-0003	Nitrile	4	6	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	SS	

SILHOUETTE B

14750-0001	Neoprene	4	8	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	BR	
-0003	Nitrile	4	8	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	BR	

SILHOUETTE C

14609-0001	Neoprene	4	6	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	BR	
-0003	Nitrile	4	6	1-1/4"(65mm)	15/32"(11.9mm)	5/16" (7.9mm)	BR	
14787-0001	Neoprene	4	6	1-1/4" (65mm)	15/32"(11.9mm)	5/16" (7.9mm)	PL	
-0003	Nitrile	4	6	1-1/4" (65mm)	15/32"(11.9mm)	5/16" (7.9mm)	PL	

SILHOUETTE D

4528-0001	Neoprene	1 or 2	6	1-9/16"(39.7mm)	1/4"(19mm)	3/8" (9.5mm)	BR	Was AL - 24
-0003	Nitrile	1 or 2	6	1-9/16"(39.7mm)	1/4"(19mm)	3/8" (9.5mm)	BR	Was AL - 24 - 37
17255-0003	Nitrile	-	6	1-9/16"(39.7mm)	1/4"(19mm)	1/4" (6.3mm)		Impeller Molded on Shaft

SILHOUETTE F

9200-0001	Neoprene	4	10	1-19/32"(40.5mm)	1/4"(19mm)	5/16" (7.9mm)	PL	Was Brass Insert
-0003	Nitrile	4	10	1-19/32"(40.5mm)	1/4"(19mm)	5/16" (7.9mm)	PL	Was Brass Insert
-0021	Neoprene	4	10	1-19/32"(40.5mm)	1/4"(19mm)	5/16" (7.9mm)	BR	
-0023	Nitrile	4	10	1-19/32"(40.5mm)	1/4"(19mm)	5/16" (7.9mm)	BR	

SILHOUETTE G

1133-0001	Neoprene	1 or 2	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	SS	
0003	Nitrile	1 or 2	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	SS	
3398-0001	Neoprene	2	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	None	
-0003	Nitrile	2	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	None	
-0004	Viton	2	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	None	
4527-0001	Neoprene	2	6	2" (50.8 mm)	7/8"(22.2mm)	5/16" (7.9mm)	None	
-0003	Nitrile	2	6	2" (50.8 mm)	7/8"(22.2mm)	5/16" (7.9mm)	None	
5606-0001	Neoprene	6	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	SS	SS Extended Drive Cup
-0003	Nitrile	6	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	SS	SS Extended Drive Cup
-0004	Viton	6	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	SS	SS Extended Drive Cup
5616-0001	Neoprene	6	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	BR	Brass Extended Drive Cup
7273-0001	Neoprene	4	6	2" (50.8 mm)	7/8"(22.2mm)	5/16" (7.9mm)	PL	
-0003	Nitrile	4	6	2" (50.8 mm)	7/8"(22.2mm)	5/16" (7.9mm)	PL	

SILHOUETTE H

6303-0001	Neoprene	4	6	2" (50.8 mm)	7/8"(22.2mm)	5/16" (7.9mm)	PL	
-0003	Nitrile	4	6	2" (50.8 mm)	7/8"(22.2mm)	5/16" (7.9mm)	PL	
17486-0001	Neoprene	6	6	2" (50.8 mm)	7/8"(22.2mm)	1/4" (12.7 mm)	BR	Brass Extended Drive Cup

INSERT MATERIALS: BR = Bronze • SS = Stainless Steel • PL = Epoxy Plastic

04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE



IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIA.	INSERT MATERIALS	REMARKS
				A	B			
SILHOUETTE I								
14874-0001	Neoprene	5	10	2" (50.8 mm)	7/8" (22.2mm)	5/8" (15.8mm)	PL	
-0003	Nitrile	5	10	2" (50.8 mm)	7/8" (22.2mm)	5/8" (15.8mm)	PL	
-0004	Viton	5	10	2" (50.8 mm)	7/8" (22.2mm)	1/4" (12.7 mm)	PL	
17273-0004	Viton	4	10	2" (50.8 mm)	7/8" (22.2mm)	5/16" (7.9mm)	PL	
18673-0001	Neoprene	1 or 2	10	2" (50.8 mm)	7/8" (22.2mm)	1/4" (12.7 mm)	PL	Replaces 673-0001
-0003	Nitrile	1 or 2	10	2" (50.8 mm)	7/8" (22.2mm)	1/4" (12.7 mm)	PL	Replaces 673-0003
SILHOUETTE K								
1210-0001	Neoprene	7	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	BR	
-0003	Nitrile	7	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	BR	
4568-0001	Neoprene	3	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	BR	
-0003	Nitrile	3	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	BR	
5929-0001	Neoprene	6	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	1/4" (12.7 mm)	BR	SS Drive Cup
-0003	Nitrile	6	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	1/4" (12.7 mm)	BR	SS Drive Cup
6174-0001	Nitrile	6	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	SS	SS Drive Cup
-0003	Nitrile	6	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	SS	SS Drive Cup
7614-0002	EPDM	5	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	Sanitary
-0005	Neoprene	5	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	Sanitary
14281-0001	Neoprene	5	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	
0003	Nitrile	5	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	
-0004	Viton	5	12	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	
22120-0001	Neoprene	7	12	2-1/4" (57.1mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	
SILHOUETTE L								
3085-0001	Neoprene	7	10	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	BR	
8980-0001	Neoprene	5	10	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	
-0002	EPDM	5	10	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	Sanitary
-0003	Nitrile	5	10	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	
0004	Viton	5	10	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	
-0005	Neoprene	5	10	2-1/4" (57.1mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	PL	Sanitary
18815-0001	Neoprene	6	10	2-1/4" (57.1mm)	1-1/4" (31.7mm)	1/4" (12.7 mm)	BR	SS Drive Cup
SILHOUETTE M								
920-0001	Neoprene	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	
-0003	Nitrile	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	
-0008	Natural Rubber	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	For Low Temp. to 27° F (-2.8°C)- Max. 120° F (48.9°C)
964-0001	Neoprene	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	PL	
-0003	Nitrile	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	PL	
4598-0001	Neoprene	3	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	
-0003	Nitrile	3	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	
6056-0003	Nitrile	6	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	SS Drive Cup
8981-0002	EPDM	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	PL	Sanitary
-0005	Neoprene	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	PL	Sanitary
11979-0001	Neoprene	7	8	2-9/16" (65.1 mm)	1-7/16 (36.5 mm)	5/8" (15.8mm)	BR	
12326-0001	Neoprene	6	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	SS	SS Drive Cup
-0003	Nitrile	6	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9mm)	SS	SS Drive Cup
14282-0001	Neoprene	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9mm)	PL	
-0003	Nitrile	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9mm)	PL	
-0004	Viton	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9mm)	PL	

IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIA.	INSERT MATERIALS	REMARKS
				A	B			
SILHOUETTE N								
5915-0001	Neoprene	7	8	2-9/16" (65.1mm)	2" (50.8 mm)	5/8" (15.9mm)	BR	
8840-0002	EPDM	5	8	2-9/16" (65.1mm)	2" (50.8 mm)	5/8" (15.9mm)	PL	Sanitary
-0003	Nitrile	5	8	2-9/16" (65.1mm)	2" (50.8 mm)	5/8" (15.9mm)	PL	
-0004	Viton	5	8	2-9/16" (65.1mm)	2" (50.8 mm)	5/8" (15.9mm)	PL	
-0005	Neoprene	5	8	2-9/16" (65.1mm)	2" (50.8 mm)	5/8" (15.9mm)	PL	Sanitary
SILHOUETTE O								
331-0001	Neoprene	7	9	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	
836-0001	Neoprene	7	9	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	BR	
-0003	Nitrile	7	9	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	BR	
-0008	Natural Rubber	7	9	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	BR	
6760-0003	Nitrile	7	9	3-1/4" (95.2mm)	3-1/4"(88.6mm)	1" (25.4mm)	BR	
18018-0001	Neoprene	7	9	3-1/4" (95.2mm)	3-1/4"(88.6mm)	1" (25.4mm)	SS	SS Inserted 331-0001
SILHOUETTE P								
8983-0003	Nitrile	5	10	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	
-0004	Viton	5	10	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	
-0005	Neoprene	5	10	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	Sanitary
SILHOUETTE Q								
14346-0002	EPDM	5	12	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	Sanitary
-0003	Nitrile	5	12	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	
-0004	Viton	5	12	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	
-0005	Neoprene	5	12	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	PL	Sanitary
17370-0001	Neoprene	5	12	3-1/4" (95.2mm)	3-1/4"(88.6mm)	1" (25.4mm)	PL	
17935-0001	Neoprene	7	12	3-1/4" (95.2mm)	2-1/4"(63.5mm)	1" (25.4mm)	BR	
17936-0001	Neoprene	7	12	3-1/4" (95.2mm)	3-1/4"(88.6mm)	1" (25.4mm)	BR	
SILHOUETTE R								
8984-0005	Neoprene	5	9	4-5/8" (117.5mm)	3-1/4"(88.6mm)	1" (25.4mm)	PL	Sanitary
18786-0001	Neoprene	5	9	4-5/8" (117.5mm)	3-1/4"(88.6mm)	1" (25.4mm)	PL	
-0003	Nitrile	5	9	4-5/8" (117.5mm)	3-1/4"(88.6mm)	1" (25.4mm)	PL	
-0004	Viton	5	9	4-5/8" (117.5mm)	3-1/4"(88.6mm)	1" (25.4mm)	PL	
SILHOUETTE S								
8963-0002	EPDM	5	9	4-5/8" (117.5mm)	3-1/4"(88.6mm)	1" (25.4mm)	PL	Sanitary
-0005	Neoprene	5	9	4-5/8" (117.5mm)	3-1/4"(88.6mm)	1" (25.4mm)	PL	Sanitary
SILHOUETTE U								
2999-0001	Neoprene	7	13	5" (127.0 mm)	4"(101.6mm)	1-1/4" (38.1mm)	BR	
21899-0005	Neoprene	5	13	5" (127.0 mm)	4"(101.6mm)	1-1/4" (38.1mm)	PL	Sanitary
8713-0005	Neoprene	5	13	5" (127.0 mm)	5-1/4" (133.3mm)	1-1/4" (38.1mm)	PL	Sanitary

INSERT MATERIALS: BR = Bronze • SS = Stainless Steel • PL = Epoxy Plastic

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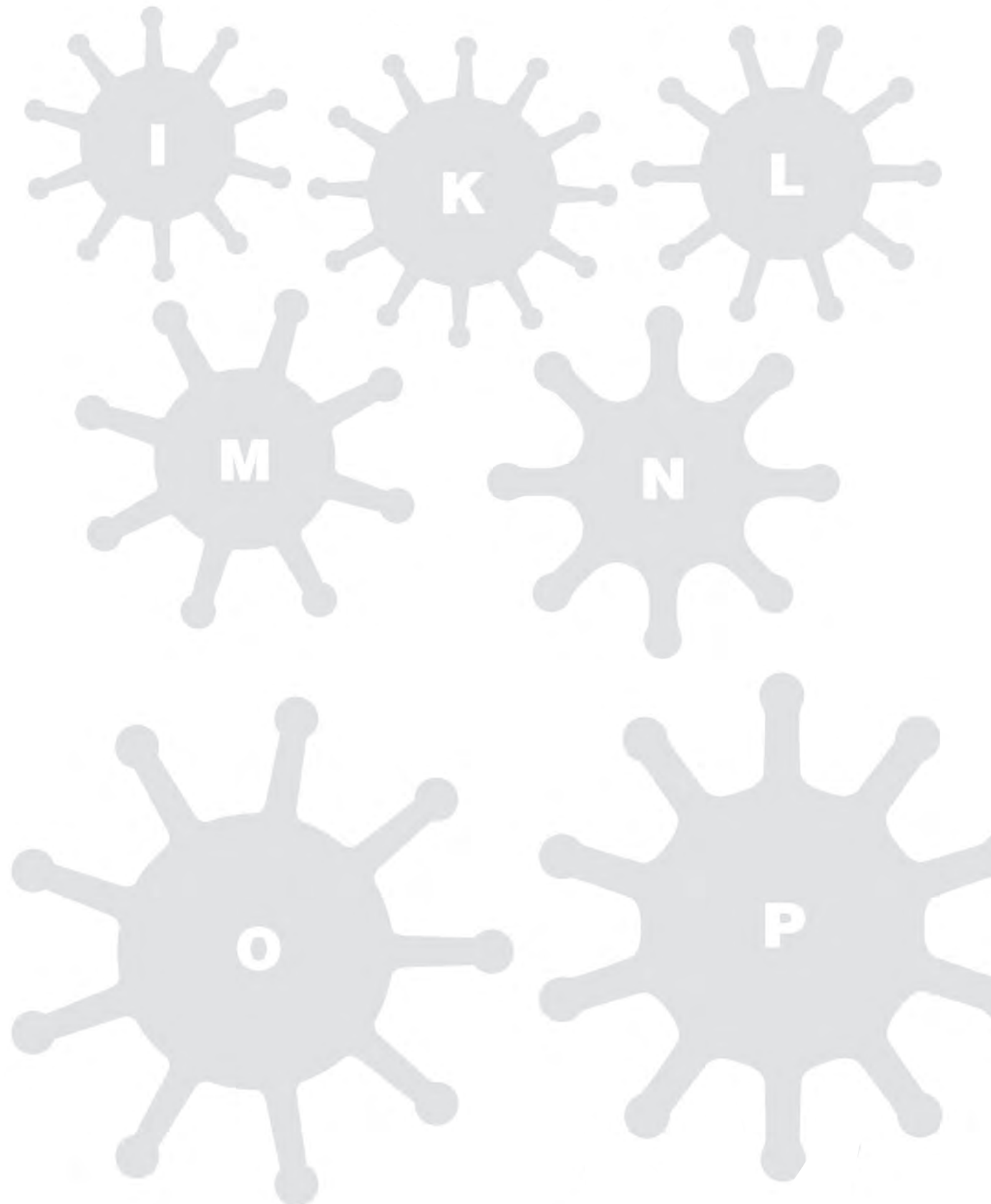
IMPELLER REPLACEMENT GUIDE



IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIA.	INSERT MATERIALS	REMARKS
				A	B			
SILHOUETTE V								
8600-0003	Nitrile	5	12	4-5/8" (117.5 mm)	3-1/4" (88.9mm)	1" (25.4mm)	PL	
-0005	Neoprene	5	12	4-5/8" (117.5 mm)	3-1/4" (88.9mm)	1" (25.4mm)	PL	Sanitary
SILHOUETTE W								
18838-0001	Neoprene	3	12	2-7/16" (65.1 mm)	1-1/4" (31.7mm)	5/8" (15.8mm)	BR	
SILHOUETTE X								
18948-0001	Neoprene	3	12	2-9/16" (65.1 mm)	1-5/8 (41.3mm)	5/8" (15.8mm)	BR	
SILHOUETTE Y								
17937-0001	Neoprene	7	10	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	
17956-0001	Neoprene	6	10	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	SS Drive Cup, Replaces 6056-0001
17981-0005	Neoprene	5	10	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	PL	Sanitary
SILHOUETTE AA								
8500-0005	Neoprene	5	12	5" (127.0 mm)	4" (101.6mm)	1-1/4" (38.1mm)	PL	Sanitary

INSERT MATERIALS: BR = Bronze • SS = Stainless Steel • PL = Epoxy Plastic

Flexible Impeller Actual-size Reference



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Flexible Impeller Actual-size Reference

