

POSITION NUMBER	IMPELLER KIT PART NO.
1	09-1077B-9
2	09-1052S-9
3	09-843S-9
4	09-806B-1
5	09-808B-1
6	09-824P-1 09-824P-9
7	09-810B 09-810B-1 09-810B-9
8	09-1026B-1 09-1026B-9
9	09-824P-2

POSITION NUMBER	IMPELLER KIT PART NO.
10	09-847B
11	09-849P-2
12	09-1027B-1 09-1027B-10 09-1027B-9
13	09-801B
14	09-812B 09-812BT-1
15	09-1028B 09-1028B-9 09-1028BT-1
16	09-821BT-1 09-821BT

POSITION NUMBER	IMPELLER KIT PART NO.
17	09-1029B
18	09-819B 09-819B-9
19	09-802B
20	09-814B
21	09-820B
22	09-842B
23	09-701B-1
24	09-707B-1
25	09-702B-1
26	09-703P-1
27	09-704BT-1

Part Number code for Impeller Material

09-xxx	Neoprene : no suffix	Classic water cooling rubber material	For frequent use, material water swell will wear off
09-xxxX-1	MC97 (EDPM) : -1	EDPM material	No water swell, ideal for both professional and recreational use
09-xxxX-9	Nitrile : -9	Oil resistant rubber compound	
09-xxxX-2	Polyurethane : -2	For ballast pumps	Ideal for running the impeller back and forth

Part Number code for Impeller Hub Material

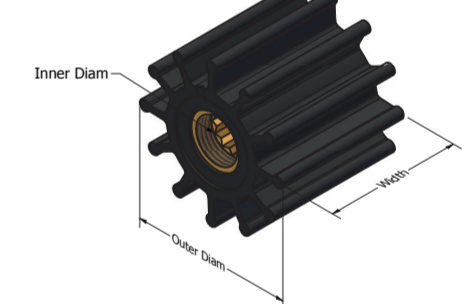
09-xxx B -x	Brass
09-xxx BT -x	Brass, Threaded
09-xxx S -x	Steel
09-xxx P -x	Plastic

BT - Brass hub with thread B - Brass hub without thread

Drive Type



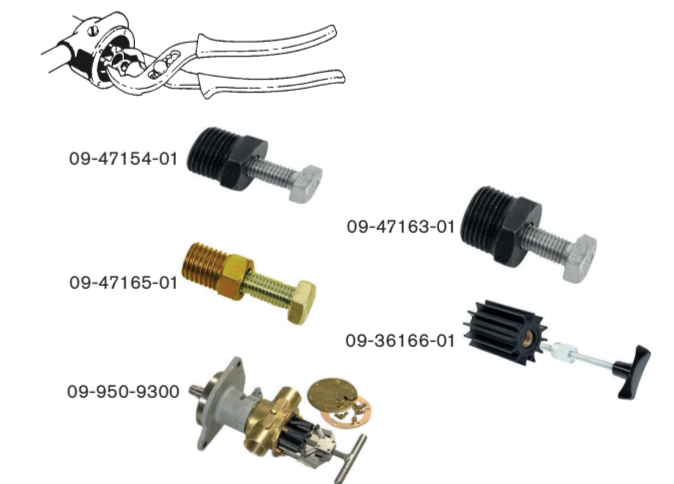
Impeller Dimensions



Impeller Removal

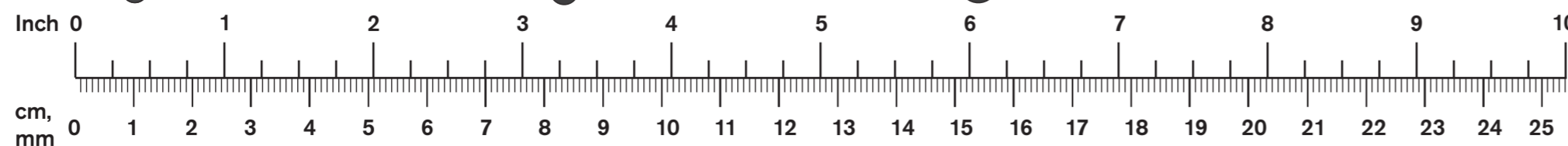
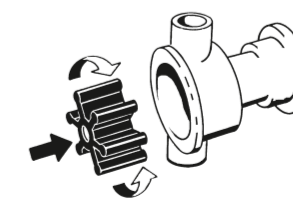
Remove the impeller with a slip joint plier or a SPX FLOW Johnson Pump Impeller.

Part No.	Application
09-47154-01	PULLER FOR IMPELLER 1027BT/812BT
09-47163-01	PULLER FOR IMPELLER 821BT
09-47165-01	PULLER FOR IMPELLER 1028BT
09-36166-01	PULLER FOR IMPELLER 820B
09-950-9300	UNIVERSAL IMPELLER PULLER



Impeller Fitting

Lubricate the shaft and the inside of the pump body and endcover. Use soap or SPX FLOW Johnson Pump Lubricant Kit 09- 47086. By doing so you avoid dry friction when you start the engine. Mount the impeller by making a pushing and twisting movement in the rotating direction.



POSITION NUMBER	PUMP (IMPELLER)	PART NO.	MATERIAL	NUMBER OF BLADES	DRIVE TYPE	OUTER DIAMETER		INNER DIAMETER		WIDTH		PULLER	REPLACES JABSCO PART NO.	
						MM	INCH	MM	INCH	MM	INCH		EUROPE	USA
1	F2	09-1077B-9	NITRILE	6	FLAT	35.2	1.39	8	0.31	12.7	0.5	09-950-9300		
2	F3	09-1052S-9	NITRILE	6	FLAT	45.2	1.78	8	0.31	12.8	0.5	09-950-9300		
3	F3	09-843S-9	NITRILE	8	FLAT	45.2	1.78	8	0.31	12.8	0.5	09-950-9300		
4	F35	09-806B-1	MC97	6	PIN	40	1.57	9.5	0.37	19	0.75	09-950-9300	4528-0001	
5	F35	09-808B-1	MC97	6	PIN	40	1.57	12	0.47	19	0.75	09-950-9300	22405-0001	
6	F4	09-824P-1	MC97	6	FLAT	50.8	2	8	0.31	22	0.87	09-950-9300		
	F4	09-824P-9	NITRILE	6	FLAT	50.8	2	8	0.31	22	0.87	09-950-9300	6303-0003	
7	F4	09-810B	NEOPRENE	6	PIN	50.8	2	12	0.47	22	0.87	09-950-9300		
	F4	09-810B-1	MC97	6	PIN	50.8	2	12	0.47	22	0.87	09-950-9300	18653-001	
	F4	09-810B-9	NITRILE	6	PIN	50.8	2	12	0.47	22	0.87	09-950-9300		
8	F4	09-1026B-1	MC97	6	PIN	50.8	2	12.7	0.5	22	0.87	09-950-9300	673-0001	
	F4	09-1026B-9	NITRILE	6	PIN	50.8	2	12.7	0.5	22	0.87	09-950-9300	673-0003	
9	F4	09-824P-2	POLYURETHANE	6	FLAT	51	2.01	8	0.31	22	0.87	09-950-9300	6303-007-P	"Green impeller"
10	AQUAT	09-847B	0	6	FLAT	51	2.01	7	0.28	21.5	0.85	09-950-9300		
11	F45	09-849P-2	POLYURETHANE	6	FLAT	51	2.01	8	0.32	44	1.74	09-950-9300		
12	F5	09-1027B-1	MC97	12	SPLINE	57.1	2.25	SPLINE	SPLINE	31.5	1.24	09-950-9300	1210-0001	
	F5	09-1027B-10	MC97	12	SPLINE	57.1	2.25	SPLINE	SPLINE	31.9	1.25	09-950-9300		
	F5	09-1027B-9	NITRILE	12	SPLINE	57.1	2.25	SPLINE	SPLINE	31.5	1.24	09-950-9300	1210-0003	
	F5	09-1027BT	NEOPRENE	12	SPLINE	57.1	2.25	SPLINE	SPLINE	31.5	1.24	09-47154-01		
13	F5	09-801B	NEOPRENE	12	KEY	57.1	2.25	15.9	0.62	31.5	1.24	09-950-9300	4568-0001	
14	F6	09-812B	NEOPRENE	12	SPLINE	57.1	2.25	SPLINE	SPLINE	48.2	1.9	09-950-9300		
	F6	09-812BT-1	MC97	12	SPLINE	57.1	2.25	SPLINE	SPLINE	48.2	1.9	09-47154-01	13554-0001	
15	F7	09-1028B	NEOPRENE	8	SPLINE	65	2.56	SPLINE	SPLINE	50.2	1.98	09-950-9300		
	F7	09-1028B-9	NITRILE	8	SPLINE	65	2.56	SPLINE	SPLINE	50.2	1.98	09-950-9300	17937-0003	
	F7	09-1028BT-1	MC97	8	SPLINE	65	2.56	SPLINE	SPLINE	50.2	1.98	09-47165-01	17937-0001	
16	F75	09-821BT-1	MC97	12	SPLINE	65	2.56	SPLINE	SPLINE	80	3.15	09-47163-01		
	F75	09-821BT	NEOPRENE	12	SPLINE	65	2.56	SPLINE	SPLINE	80	3.15	09-47163-01		
17	F8	09-1029B	NEOPRENE	9	SPLINE	95	3.74	SPLINE	SPLINE	63	2.48	09-950-9300	836-0001	17935-0001
18	F8	09-819B	NEOPRENE	11	SPLINE	95	3.74	SPLINE	SPLINE	63	2.48	09-950-9300	836-0001	17935-0001
	F8	09-819B-9	NITRILE	11	SPLINE	95	3.74	SPLINE	SPLINE	63	2.48	09-950-9300	836-0003	17935-0003
19	F9	09-802B	NEOPRENE	9	SPLINE	95	3.74	SPLINE	SPLINE	88.5	3.48	09-950-9300	6760-0001	
20	F9	09-814B	NEOPRENE	12	SPLINE	95	3.74	SPLINE	SPLINE	88.5	3.48	09-950-9300	21676-0001	17936-0001
21	F95	09-820B	NEOPRENE	12	SPLINE	95	3.74	SPLINE	SPLINE	130	5.12	09-36166-01		
22	F98	09-842B	NEOPRENE	12	SPLINE	95	3.74	SPLINE	SPLINE	180	7.09	09-950-9300		
23	SHERWOOD (09959K)	09-701B-1	MC97	12	KEY	62.3	2.45	16	0.63	31.8	1.25	09-950-9300		18838-0001
24	SHERWOOD (15000K)	09-707B-1	MC97	12	KEY	65.2	2.57	15.9	0.62	51.4	2.02	09-950-9300		
25	SHERWOOD (10615K)	09-702B-1	MC97	12	KEY	65.4	2.57	16	0.63	41.4	1.63	09-950-9300		18948-0001
26	MERCURISER (47-59362T)	09-703P-1	MC97	8	FLAT	66.7	2.63	19	0.75	51	2.01	09-950-9300		17954-0001
27	SHERWOOD (17000K)	09-704BT-1	MC97	12	KEY	84.1	3.31	20.1	0.78	73.4	2.89	09-950-9300		18958-0001

YEAR & MANUFACTURING DAY CODE, ALT.1
Marking used at some sizes of rubber impellers, placed between wings:

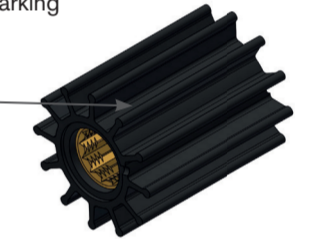
CODE	YEAR	YEAR	CODE	DAY
A		2021	001	1 January
B		2022	002	2 January
C		2023	003	3 January
D		2024	004	4 January
E		2025	005	5 January
F		2026	006	6 January
G		2027	007	7 January
H		2028	008	8 January
I		2029	009	9 January
K	2008	2030	010	10 January
L	2009	2031	011	11 January
M	2010	2032	012	12 January
N	2011	2033	etc	etc.
P	2012	2034		
R	2013	2035		
S	2014	2036		
T	2015	2037		
U	2016	2038		
V	2017	2039		
X	2018	2040		
Y	2019	2041		
Z	2020	2042		

Example

Year	Marking
1 January 2008:	K001
1 October 2009:	L274
1 January 2020	Z001
1 January 2021	A001

Marking

Manufacturing code marking between the wings



YEAR & MANUFACTURING DAY CODE, ALT.2
Marking used at some sizes of rubber impellers, placed on end surface:

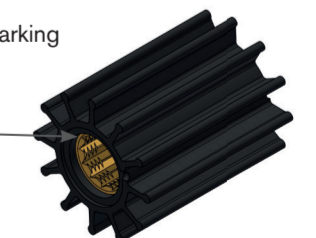
CODE	YEAR	CODE	DAY
8	2008	001	1 January
9	2009	002	2 January
0	2010	003	3 January
1	2011	004	4 January
2	2012	005	5 January
3	2013	006	6 January
4	2014	007	7 January
5	2015	008	8 January
6	2016	009	9 January
7	2017	010	10 January
8	2018	011	11 January
9	2019	012	12 January
0	2020	013	13 January
1	2021	etc	etc.
2	2022		
3	2023		
etc.	etc.		

Example

Year	Marking
1 January 2008:	8001
1 October 2009:	9274
1 January 2020	0001
1 January 2021	1001

Marking

Manufacturing code marking on end surface

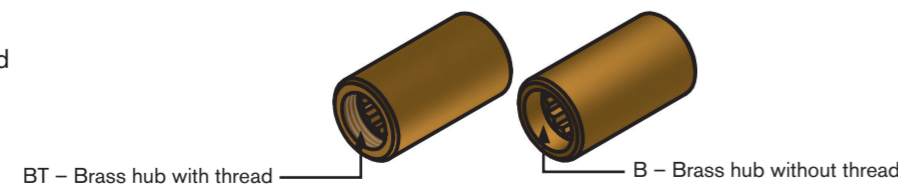


Part Number code for Impeller Material

09-xxxX	Neoprene : no suffix	Classic water cooling rubber material	For frequent use, material water swell will wear off
09-xxxX-1	MC97 (EDPM) : -1	EDPM material	No water swell, ideal for both professional and recreational use
09-xxxX-9	Nitrile : -9	Oil resistant rubber compound	
09-xxxX-2	Polyurethane : -2	For ballast pumps	Ideal for running the impeller back and forth

Part Number code for Impeller Hub Material

09-xxx B -x	Brass
09-xxx BT -x	Brass, Threaded
09-xxx S -x	Steel
09-xxx P -x	Plastic



Drive Type



Impeller Dimensions

