

* * ENGINEERING CODEBOOK * *

THROUGH THE USE OF THIS CATALOG ALL THE COMPONENT PARTS OF ANY PERMCO PUMP OR MOTOR CAN BE DETERMINED EXCLUDING FASTENERS.

THE FOLLOWING SERIES ARE INCLUDED:

1500 197 2100 257 2500 3000 3100 **3700** 5000 5100 7500 AND 7600.

EACH MODEL SERIES IS DIVIDED IN THE FOLLOWING MANNER:

- I. SHAFT END COVERS FOLLOWED BY SHAFT END COVER SMALL PARTS.
- II. PORT END COVERS FOLLOWED BY PORT END COVER SMALL PARTS.
- III. GEAR HOUSINGS FOLLOWED BY:
 - A. GEAR HOUSING SMALL PARTS.
 - B. GEARS.
- IV. DRIVE SHAFTS OR GEAR/SHAFTS FOLLOWED BY DRIVE SHAFT SMALL PARTS.
- V. BEARING CARRIERS FOLLOWED BY BEARING CARRIER SMALL PARTS.
- VI. CONNECTING SHAFTS.

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BELOW IS AN EXAMPLE OF HOW TO USE THIS CATALOG:

SINGLE ASSEMBLY CODE: P3700A031AZHR20-14

TANDEM ASSEMBLY CODE: P3700B031ATHR20-14BHI12-1

P DENOTES PUMP (M DENOTES MOTOR)

3700 SERIES

A OR B MODEL TYPE (A-SINGLE B-TANDEM)

031 SHAFT END COVER

AZ PORT END COVER

HR20 GEAR HOUSING (FIRST)

14 DRIVE SHAFT

B BEARING CARRIER

HI12 GEAR HOUSING (SECOND)

1 CONNECTING SHAFT

THE ROTATION OF ANY UNIT IS IDENTIFIED BY THE FIRST DIGIT OF THE SHAFT END COVER CODE (SEE INDIVIDUAL SERIES COVER PAGES). THE GEAR SIZE IS DENOTED BY THE TWO (2) DIGITS IN THE GEAR HOUSING CODE.

CODE. :	05	07	10	12	15	17	20	22	25	27	30
SIZE IN INCHES:	1/2	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3

ROTATION IS VIEWED LOOKING AT SHAFT END (SHAFT ON TOP.)

AN ASTERISK (*) DENOTES EITHER OBSOLETE OR SPECIAL. PLEASE CONSULT FACTORY AS THEY MAY BE REPLACED BY OTHER STANDARD ITEMS.

* * ABBREVIATIONS USED IN PART DESCRIPTIONS * *

SHAFT END COVER DESCRIPTIONS

FT MT FOOT MOUNT
 G F TOP GREASE FITTING ON TOP (OTHERS ON BOTTOM)
 PAD MT PAD MOUNT
 PB PIGGYBACK PUMP
 PD PILOT DIAMETER
 PX PILOT EXTENSION
 RD FLG ROUND FLANGE
 W/MTG SLT WITH MOUNTING SLOT
 WD WITH DRAIN
 WD2 WITH DRAIN AT 2 OCLOCK POSITION
 WD8 WITH DRAIN AT 8 OCLOCK POSITION
 WD12 WITH DRAIN AT 12 OCLOCK POSITION
 W2D WITH 2 DRAINS

PORT END COVER DESCRIPTIONS

OS PORTS ARE OUT THE SIDE
 PB PIGGYBACK PUMP
 XSD EXTENDED STUDS

SHAFT DESCRIPTIONS

T TOOTH
 PB PIGGYBACK PUMP
 W/THD END WITH THREADED END

PORTING DESCRIPTIONS

ORB STRAIGHT THREAD. PORT SIZE REFERS TO O.D. OF TUBE.
 SF SPLIT FLANGE PORTS. PORT SIZE REFERS TO FLANGE HOLE DIAMETER.
 T INTERNAL CONNECTIONS TO FRONT & BACK SECTION.
 B CONNECTION TO BACK SECTION.
 F CONNECTION TO FRONT SECTION.

 * * * * *
 * 3700 SERIES *
 * * * * *

SERIES IDENTIFICATION

STUD HOLES - 8 AT 9/16 DIAMETER
 STUD DIA. - 1/2 IN.
 SEPARATE DRIVE SHAFT
 HOUSING HEIGHT - 7-5/16 INCHES
 HOUSING WIDTH - GEAR SIZE + 1 INCH
 BOLT TORQUE - 120 FT-LBS

GEAR WIDTHS AVAILABLE

1/2 3/4 1 1-1/4 1-1/2 1-3/4 2 2-1/4 2-1/2 AND 3 INCHES

SHAFT END COVERS

THE TYPE OF SHAFT END COVER IS DETERMINED BY THE ENTIRE 3 DIGIT DESIGNATION.
 THERE ARE TWO BASIC TYPES OF SHAFT END COVERS WHICH ARE DIFFERENTIATED BY THE BEARING CONFIGURATION.

TYPE I - SINGLE OUTBOARD TAPERED ROLLER BEARING.
 TYPE III - DOUBLE OUTBOARD TAPERED ROLLER BEARING.

THE FIRST DIGIT OF THE SHAFT END COVER CODE DESIGNATES PUMP/MOTOR ROTATION.

		<u>CW</u>	<u>CCW</u>	<u>DBL</u>	<u>PUMP</u>	<u>MOTOR</u>	<u>TYPE</u>	<u>BEARING</u>
ALL CODES BEGINNING WITH	0	XX			XX		I	
	1		XX		XX		I	
	2			XX	XX		I	
	3	XX			XX		III	
	4		XX		XX		III	
	5			XX	XX		III	
	6			XX		XX	I	XX
	7			XX		XX	III	XX
	8			XX		XX	I	

THE SHAFT END COVER TYPE AND DRIVE SHAFT TYPE MUST HAVE THE SAME NUMBER DESIGNATION.

HOUSINGS

1. CODES MARKED ' ARE FOR LOW PRESSURE INLET PORT ONLY.
2. CODES MARKED + ARE GOOD FOR PRESSURES UP TO 2000 PSI. APPLIES TO SMALLEST PORT.
3. NPT THREADS ARE NOT RECOMMENDED FOR USE AT PRESSURES EXCEEDING 2000 PSI.
4. ORB PORTS ARE RECOMMENDED FOR USE AT PRESSURES UP TO 2500 PSI.
FOR HIGHER PRESSURES CONSULT FACTORY.
5. SPLIT FLANGE PORTS ARE RECOMMENDED FOR PRESSURES ABOVE 2500 PSI.
CONSULT FACTORY FOR CORRECT PORTING.

BEARING CARRIER FLOW

FLOW FROM BEARING CARRIER SIDE PORT TO GEAR HOUSING SHOULD NOT EXCEED 31 GPM ON THE SUCTION SIDE
OR 60 GPM ON THE PRESSURE SIDE.

MULTIPLE UNITS

MULTIPLE UNITS REQUIRE ONE SHAFT SPACER FOR EACH SECTION ONE W78-05 LOCK NUT AND 3/8-16 X 3 FOOT
THREADED ROD. (NOT LISTED UNDER CODING.) THE SPACER IS DETERMINED BY THE GEAR SIZE.

<u>GEAR SIZE</u>	<u>SPACER NUMBER</u>	<u>SPACER THICKNESS</u>
3/4 IN.	LZ-0408-13	1/4 IN.
1 IN.	LZ-0408-14	1/2 IN.
1-1/4 IN.	LZ-0408-10	3/4 IN.
1-1/2 IN.	LZ-0408-15	1 IN.
1-3/4 IN.	LZ-0408-16	1-1/4 IN.
2 IN.	LZ-0408-17	1-1/2 IN.
2-1/4 IN.	LZ-0408-18	1-3/4 IN.
2-1/2 IN.	LZ-0408-19	2 IN.
2-3/4 IN.	LZ-0408-20	2-1/4 IN.
3 IN.	LZ-0408-21	2-1/2 IN.

PERMCO MODEL: 3700

Shaft End Covers

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
000	1	KZ-0575-3	CW TYPE I PAD MT	631	1	JZ-0575-4	DR TYPE I 4 BOLT SAE B WD2
001	1	KZ-0575-4	CW TYPE I PAD MT W/MTG SLT	634	1	JZ-0575-5	DR TYPE I 4 BOLT SAE B WD12
012	* 1	FA-0575-3	CW TYPE I 2 BOLT SPECIAL	665	1	GZ-0575-14	DR TYPE I 4 BOLT SAE C WD8
031	1	JZ-0575-3	CW TYPE I 4 BOLT SAE B	667	1	GZ-0575-7	DR TYPE I 4 BOLT SAE C WD2
052	* 1	MZ-0575-3	CW TYPE I RD FLG SUNDSTRAND	687	1	LZ-0575-5	DR TYPE I 2 BOLT SAE C
066	* 1	CA-0575-3	CW TYPE I 4-BOLT JOY OBSOLETE	700	* 1	OA-0575-3	DR TYPE III PAD MT
067	1	GZ-0575-3	CW TYPE I 4 BOLT SAE C	731	* 1	MA-0575-3	DR TYPE III 4 BOLT SAE B
070	1	IA-0575-3	CW TYPE I RD FLG VICKERS	767	* 1	QA-0575-3	DR TYPE III 4 BOLT SAE C
086	* 1	VZ-0575-3	CW TYPE I 2 BOLT	800	1	KZ-0575-3	DR TYPE I PAD MT
087	1	LZ-0575-3	CW TYPE I 2 BOLT SAE C	801	1	KZ-0575-4	DR TYPE I PAD MT W/MTG SLT
100	1	KZ-0575-3	CCW TYPE I PAD MT	812	* 1	FA-0575-3	DR TYPE I 2 BOLT SPECIAL
101	1	KZ-0575-4	CCW TYPE I PAD MT W/MTG SLT	831	1	JZ-0575-3	DR TYPE I 4 BOLT SAE B
112	* 1	FA-0575-3	CCW TYPE I 2 BOLT SPECIAL	852	* 1	MZ-0575-3	DR TYPE I RD FLG SUNSTRAND
131	1	JZ-0575-3	CCW TYPE I 4 BOLT SAE B	866	* 1	CA-0575-4	DR TYPE I 4-BOLT JOY OBSOLETE
152	* 1	MZ-0575-3	CCW TYPE I RD FLG SUNDSTRAND	867	1	GZ-0575-3	DR TYPE I 4 BOLT SAE C
166	* 1	CA-0575-3	CCW TYPE I 4BOLT JOY OBSOLETE	870	1	IA-0575-3	DR TYPE I RD FLG VICKERS
167	1	GZ-0575-3	CCW TYPE I 4 BOLT SAE C	886	* 1	VZ-0575-3	DR TYPE I 2 BOLT
170	1	IA-0575-3	CCW TYPE I RD FLG VICKERS	887	1	LZ-0575-3	DR TYPE I 2 BOLT SAE C
186	* 1	VZ-0575-3	CCW TYPE I 2 BOLT				
187	1	LZ-0575-3	CCW TYPE I 2 BOLT SAE C				
200	1	KZ-0575-3	DR TYPE I PAD MT				
201	1	KZ-0575-4	DR TYPE I PAD MT W/MTG SLT				
212	* 1	FA-0575-3	DR TYPE I 2 BOLT				
231	1	JZ-0575-3	DR TYPE I 4 BOLT SAE B				
252	* 1	MZ-0575-3	DR TYPE I RD FLG SUNSTRAND				
266	* 1	CA-0575-3	DR TYPE I 4-BOLT JOY OBSOLETE				
267	1	GZ-0575-3	DR TYPE I 4 BOLT SAE C				
270	1	IA-0575-3	DR TYPE I RD FLG VICKERS 6 BLT				
286	* 1	VZ-0575-3	DR TYPE I 2 BOLT				
287	1	LZ-0575-3	DR TYPE I 2 BOLT SAE C				
300	1	OA-0575-3	CW TYPE III PAD MT				
331	* 1	MA-0575-3	CW TYPE III 4 BOLT SAE B				
367	* 1	QA-0575-3	CW TYPE III 4 BOLT SAE C				
400	* 1	OA-0575-3	CCW TYPE III PAD MT				
431	1	MA-0575-3	CCW TYPE III 4 BOLT SAE B				
467	* 1	QA-0575-3	CCW TYPE III 4 BOLT SAE C				
500	* 1	OA-0575-3	DR TYPE III PAD MT				
531	* 1	MA-0575-3	DR TYPE III 4 BOLT SAE B				
567	* 1	QA-0575-3	DR TYPE III 4 BOLT SAE C				
600	1	KZ-0575-8	DR TYPE I PAD MT				

PERMCO MODEL: 3700

SHAFT END COVER SMALL PARTS

CODE	QTY	PART NUMBER	D E S C R I P T I O N	CODE	QTY	PART NUMBER	D E S C R I P T I O N
000	1	K-2995-33	O'RING	052	1	Z-0216-177	SPRING
000	2	Q-0921	CROWNED ROLLER BRGN	052	1	ZF-1909	SHAFT BUSHING
000	1	QZ-0558	SEAL RETAINER				
000	1	S-0280	PLUG	066	1	K-2995-33	O'RING
000	1	U-0961	RETAINER RING	066	2	Q-0921	CROWNED ROLLER BRGN
000	1	W015-5	BEARING	066	1	QZ-0558	SEAL RETAINER
000	1	W62-26-10	DOUBLE LIP SEAL	066	1	S-0280	PLUG
000	1	Z-0216-177	SPRING	066	1	U-0961	RETAINER RING
000	1	ZF-1909	SHAFT BUSHING	066	1	W015-5	BEARING
				066	1	W62-26-10	DOUBLE LIP SEAL
001	1	K-2995-33	O'RING	066	1	Z-0216-177	SPRING
001	2	Q-0921	CROWNED ROLLER BRGN	066	1	ZF-1909	SHAFT BUSHING
001	1	QZ-0558	SEAL RETAINER				
001	1	S-0280	PLUG	067	1	K-2995-33	O'RING
001	1	U-0961	RETAINER RING	067	2	Q-0921	CROWNED ROLLER BRGN
001	1	W015-5	BEARING	067	1	QZ-0558	SEAL RETAINER
001	1	W62-26-10	DOUBLE LIP SEAL	067	1	S-0280	PLUG
001	1	Z-0216-177	SPRING	067	1	U-0961	RETAINER RING
001	1	ZF-1909	SHAFT BUSHING	067	1	W015-5	BEARING
				067	1	W62-26-10	DOUBLE LIP SEAL
012	1	K-2995-33	O'RING	067	1	Z-0216-177	SPRING
012	2	Q-0921	CROWNED ROLLER BRGN	067	1	ZF-1909	SHAFT BUSHING
012	1	QZ-0558	SEAL RETAINER				
012	1	S-0280	PLUG	070	1	K-2995-33	O'RING
012	1	U-0961	RETAINER RING	070	1	Q-0921	CROWNED ROLLER BRGN
012	1	W015-5	BEARING	070	1	QZ-0558	SEAL RETAINER
012	1	W62-26-10	DOUBLE LIP SEAL	070	1	S-0280	PLUG
012	1	Z-0216-177	SPRING	070	1	U-0961	RETAINER RING
012	1	ZF-1909	SHAFT BUSHING	070	1	W015-5	BEARING
				070	1	W62-26-10	DOUBLE LIP SEAL
031	1	K-2995-33	O'RING	070	1	Z-0216-177	SPRING
031	2	Q-0921	CROWNED ROLLER BRGN	070	1	ZF-1909	SHAFT BUSHING
031	1	QZ-0558	SEAL RETAINER				
031	1	S-0280	PLUG	086	1	K-2995-33	O'RING
031	1	U-0961	RETAINER RING	086	2	Q-0921	CROWNED ROLLER BRGN
031	1	W015-5	BEARING	086	1	QZ-0558	SEAL RETAINER
031	1	W62-26-10	DOUBLE LIP SEAL	086	1	S-0280	PLUG
031	1	Z-0216-177	SPRING	086	1	U-0961	RETAINER RING
031	1	ZF-1909	SHAFT BUSHING	086	1	W015-5	BEARING
				086	1	W62-26-10	DOUBLE LIP SEAL
052	1	K-2995-33	O'RING	086	1	Z-0216-177	SPRING
052	2	Q-0921	CROWNED ROLLER BRGN	086	1	ZF-1909	SHAFT BUSHING
052	1	QZ-0558	SEAL RETAINER				
052	1	S-0280	PLUG	087	1	K-2995-33	O'RING
052	1	U-0961	RETAINER RING	087	2	Q-0921	CROWNED ROLLER BRGN
052	1	W015-5	BEARING	087	1	QZ-0558	SEAL RETAINER
052	1	W62-26-10	DOUBLE LIP SEAL	087	1	S-0280	PLUG

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SHAFT END COVER SMALL PARTS

CODE	QTY	PART NUMBER	D E S C R I P T I O N	CODE	QTY	PART NUMBER	D E S C R I P T I O N
087	1	U-0961	RETAINER RING	152	2	Q-0921	CROWNED ROLLER BRGN
087	1	W015-5	BEARING	152	1	QZ-0558	SEAL RETAINER
087	1	W62-26-10	DOUBLE LIP SEAL	152	1	S-0280	PLUG
087	1	Z-0216-177	SPRING	152	1	U-0961	RETAINER RING
087	1	ZF-1909	SHAFT BUSHING	152	1	W015-5	BEARING
				152	1	W62-26-10	DOUBLE LIP SEAL
100	1	K-2995-33	O'RING	152	1	Z-0216-177	SPRING
100	2	Q-0921	CROWNED ROLLER BRGN	152	1	ZF-1909	SHAFT BUSHING
100	1	QZ-0558	SEAL RETAINER				
100	1	S-0280	PLUG	166	1	K-2995-33	O'RING
100	1	U-0961	RETAINER RING	166	2	Q-0921	CROWNED ROLLER BRGN
100	1	W015-5	BEARING	166	1	QZ-0558	SEAL RETAINER
100	1	W62-26-10	DOUBLE LIP SEAL	166	1	S-0280	PLUG
100	1	Z-0216-177	SPRING	166	1	U-0961	RETAINER RING
100	1	ZF-1909	SHAFT BUSHING	166	1	W015-5	BEARING
				166	1	W62-26-10	DOUBLE LIP SEAL
101	1	K-2995-33	O'RING	166	1	Z-0216-177	SPRING
101	2	Q-0921	CROWNED ROLLER BRGN	166	1	ZF-1909	SHAFT BUSHING
101	1	QZ-0558	SEAL RETAINER				
101	1	S-0280	PLUG	167	1	K-2995-33	O'RING
101	1	U-0961	RETAINER RING	167	2	Q-0921	CROWNED ROLLER BRGN
101	1	W015-5	BEARING	167	1	QZ-0558	SEAL RETAINER
101	1	W62-26-10	DOUBLE LIP SEAL	167	1	S-0280	PLUG
101	1	Z-0216-177	SPRING	167	1	U-0961	RETAINER RING
101	1	ZF-1909	SHAFT BUSHING	167	1	W015-5	BEARING
				167	1	W62-26-10	DOUBLE LIP SEAL
112	1	K-2995-33	O'RING	167	1	Z-0216-177	SPRING
112	2	Q-0921	CROWNED ROLLER BRGN	167	1	ZF-1909	SHAFT BUSHING
112	1	QZ-0558	SEAL RETAINER				
112	1	S-0280	PLUG	170	1	K-2995-33	O'RING
112	1	U-0961	RETAINER RING	170	2	Q-0921	CROWNED ROLLER BRGN
112	1	W015-5	BEARING	170	1	QZ-0558	SEAL RETAINER
112	1	W62-26-10	DOUBLE LIP SEAL	170	1	S-0280	PLUG
112	1	Z-0216-177	SPRING	170	1	U-0961	RETAINER RING
112	1	ZF-1909	SHAFT BUSHING	170	1	W015-5	BEARING
				170	1	W62-26-10	DOUBLE LIP SEAL
131	1	K-2995-33	O'RING	170	1	Z-0216-177	SPRING
131	2	Q-0921	CROWNED ROLLER BRGN	170	1	ZF-1909	SHAFT BUSHING
131	1	QZ-0558	SEAL RETAINER				
131	1	S-0280	PLUG	186	1	K-2995-33	O'RING
131	1	U-0961	RETAINER RING	186	2	Q-0921	CROWNED ROLLER BRGN
131	1	W015-5	BEARING	186	1	QZ-0558	SEAL RETAINER
131	1	W62-26-10	DOUBLE LIP SEAL	186	1	S-0280	PLUG
131	1	Z-0216-177	SPRING	186	1	U-0961	RETAINER RING
131	1	ZF-1909	SHAFT BUSHING	186	1	W015-5	BEARING
				186	1	W62-26-10	DOUBLE LIP SEAL
152	1	K-2995-33	O'RING	186	1	Z-0216-177	SPRING

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SHAFT END COVER SMALL PARTS

CODE	QTY	PART NUMBER	D E S C R I P T I O N	CODE	QTY	PART NUMBER	D E S C R I P T I O N
186	1	ZF-1909	SHAFT BUSHING	231	1	W015-5	BEARING
187	1	K-2995-33	O'RING	231	1	W62-26-10	DOUBLE LIP SEAL
187	2	Q-0921	CROWNED ROLLER BRGN	231	1	Z-0216-177	SPRING
187	1	QZ-0558	SEAL RETAINER	231	1	ZF-1909	SHAFT BUSHING
187	1	S-0280	PLUG	252	1	K-2995-33	O'RING
187	1	U-0961	RETAINER RING	252	2	L-0280-K	CHECK VALVE ASSY
187	1	W015-5	BEARING	252	2	Q-0921	CROWNED ROLLER BRGN
187	1	W62-26-10	DOUBLE LIP SEAL	252	1	QZ-0558	SEAL RETAINER
187	1	Z-0216-177	SPRING	252	1	U-0961	RETAINER RING
187	1	ZF-1909	SHAFT BUSHING	252	1	W015-5	BEARING
200	1	K-2995-33	O'RING	252	1	W62-26-10	DOUBLE LIP SEAL
200	2	L-0280-K	CHECK VALVE ASSY	252	1	Z-0216-177	SPRING
200	2	Q-0921	CROWNED ROLLER BRGN	252	1	ZF-1909	SHAFT BUSHING
200	1	QZ-0558	SEAL RETAINER	266	1	K-2995-33	O'RING
200	1	U-0961	RETAINER RING	266	2	L-0280-K	CHECK VALVE ASSY
200	1	W015-5	BEARING	266	2	Q-0921	CROWNED ROLLER BRGN
200	1	W62-26-10	DOUBLE LIP SEAL	266	1	QZ-0558	SEAL RETAINER
200	1	Z-0216-177	SPRING	266	1	U-0961	RETAINER RING
200	1	ZF-1909	SHAFT BUSHING	266	1	W015-5	BEARING
201	1	K-2995-33	O'RING	266	1	W62-26-10	DOUBLE LIP SEAL
201	2	L-0280-K	CHECK VALVE ASSY	266	1	Z-0216-177	SPRING
201	2	Q-0921	CROWNED ROLLER BRGN	266	1	ZF-1909	SHAFT BUSHING
201	1	QZ-0558	SEAL RETAINER	267	1	K-2995-33	O'RING
201	1	U-0961	RETAINER RING	267	2	L-0280-K	CHECK VALVE ASSY
201	1	W015-5	BEARING	267	2	Q-0921	CROWNED ROLLER BRGN
201	1	W62-26-10	DOUBLE LIP SEAL	267	1	QZ-0558	SEAL RETAINER
201	1	Z-0216-177	SPRING	267	1	U-0961	RETAINER RING
201	1	ZF-1909	SHAFT BUSHING	267	1	W015-5	BEARING
212	1	K-2995-33	O'RING	267	1	W62-26-10	DOUBLE LIP SEAL
212	2	L-0280-K	CHECK VALVE ASSY	267	1	Z-0216-177	SPRING
212	2	Q-0921	CROWNED ROLLER BRGN	267	1	ZF-1909	SHAFT BUSHING
212	1	QZ-0558	SEAL RETAINER	270	1	K-2995-33	O'RING
212	1	U-0961	RETAINER RING	270	2	L-0280-K	CHECK VALVE ASSY
212	1	W015-5	BEARING	270	2	Q-0921	CROWNED ROLLER BRGN
212	1	W62-26-10	DOUBLE LIP SEAL	270	1	QZ-0558	SEAL RETAINER
212	1	Z-0216-177	SPRING	270	1	U-0961	RETAINER RING
212	1	ZF-1909	SHAFT BUSHING	270	1	W015-5	BEARING
231	1	K-2995-33	O'RING	270	1	W62-26-10	DOUBLE LIP SEAL
231	2	L-0280-K	CHECK VALVE ASSY	270	1	Z-0216-177	SPRING
231	2	Q-0921	CROWNED ROLLER BRGN	270	1	ZF-1909	SHAFT BUSHING
231	1	QZ-0558	SEAL RETAINER	286	1	K-2995-33	O'RING
231	1	U-0961	RETAINER RING	286	2	L-0280-K	CHECK VALVE ASSY

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SHAFT END COVER SMALL PARTS

CODE	QTY	PART NUMBER	D E S C R I P T I O N	CODE	QTY	PART NUMBER	D E S C R I P T I O N
286	2	Q-0921	CROWNED ROLLER BRGN	367	2	W015-5	BEARING
286	1	QZ-0558	SEAL RETAINER	367	1	W62-26-10	DOUBLE LIP SEAL
286	1	U-0961	RETAINER RING	367	1	ZV-1909	SHAFT BUSHING
286	1	W015-5	BEARING				
286	1	W62-26-10	DOUBLE LIP SEAL	400	1	GA-0558	BEARING SPACER
286	1	Z-0216-177	SPRING	400	1	IZ-0961	RETAINER RING
286	1	ZF-1909	SHAFT BUSHING	400	1	K-2995-4	ORING
				400	2	Q-0921	CROWNED ROLLER BRGN
287	1	K-2995-33	O'RING	400	1	S-0280	PLUG
287	2	L-0280-K	CHECK VALVE ASSY	400	1	W0-17	PIPE PLUG
287	2	Q-0921	CROWNED ROLLER BRGN	400	1	W004-19	ROLL PIN
287	1	QZ-0558	SEAL RETAINER	400	2	W015-5	BEARING
287	1	U-0961	RETAINER RING	400	1	W62-26-10	DOUBLE LIP SEAL
287	1	W015-5	BEARING	400	1	ZV-1909	SHAFT BUSHING
287	1	W62-26-10	DOUBLE LIP SEAL				
287	1	Z-0216-177	SPRING	431	1	GA-0558	BEARING SPACER
287	1	ZF-1909	SHAFT BUSHING	431	1	IZ-0961	RETAINER RING
				431	1	K-2995-4	ORING
300	1	GA-0558	BEARING SPACER	431	2	Q-0921	CROWNED ROLLER BEARING
300	1	IZ-0961	RETAINER RING	431	1	S-0280	PLUG
300	1	K-2995-4	ORING	431	1	W0-17	PIPE PLUG
300	2	Q-0921	CROWNED ROLLER BRGN	431	1	W004-19	ROLL PIN
300	1	S-0280	PLUG	431	2	W015-5	BEARING
300	1	W0-17	PIPE PLUG	431	1	W62-26-10	DOUBLE LIP SEAL
300	1	W004-19	ROLL PIN	431	1	ZV-1909	SHAFT BUSHING
300	2	W015-5	BEARING				
300	1	W62-26-10	DOUBLE LIP SEAL	467	1	GA-0558	BEARING SPACER
300	1	ZV-1909	SHAFT BUSHING	467	1	IZ-0961	RETAINER RING
				467	1	K-2995-4	O'RING
331	1	GA-0558	BEARING SPACER	467	2	Q-0921	CROWNED ROLLER BRGN
331	1	IZ-0961	RETAINER RING	467	1	S-0280	PLUG
331	1	K-2995-4	ORING	467	1	W0-17	PIPE PLUG
331	2	Q-0921	CROWNED ROLLER BEARING	467	1	W004-19	ROLL PIN
331	1	S-0280	PLUG	467	2	W015-5	BEARING
331	1	W0-17	PIPE PLUG	467	1	W62-26-10	DOUBLE LIP SEAL
331	1	W004-19	ROLL PIN	467	1	ZV-1909	SHAFT BUSHING
331	2	W015-5	BEARING				
331	1	W62-26-10	DOUBLE LIP SEAL	500	1	GA-0558	BEARING SPACER
331	1	ZV-1909	SHAFT BUSHING	500	1	IZ-0961	RETAINER RING
				500	1	K-2995-4	O'RING
367	1	GA-0558	BEARING SPACER	500	2	L-0280-K	CHECK VALVE ASSY
367	1	IZ-0961	RETAINER RING	500	2	Q-0921	CROWNED ROLLER BRGN
367	1	K-2995-4	O'RING	500	1	W0-17	PIPE PLUG
367	2	Q-0921	CROWNED ROLLER BRGN	500	1	W004-19	ROLL PIN
367	1	S-0280	PLUG	500	2	W015-5	BEARING
367	1	W0-17	PIPE PLUG	500	1	W62-26-10	DOUBLE LIP SEAL
367	1	W004-19	ROLL PIN	500	1	ZV-1909	SHAFT BUSHING

PERMCO MODEL: 3700

SHAFT END COVER SMALL PARTS

CODE	QTY	PART NUMBER	D E S C R I P T I O N	CODE	QTY	PART NUMBER	D E S C R I P T I O N
531	1	GA-0558	BEARING SPACER	634	1	W015-5	BEARING
531	1	IZ-0961	RETAINER RING	634	1	W62-49-1	HP SEAL
531	1	K-2995-4	O'RING	634	1	Z-0216-177	SPRING
531	2	L-0280-K	CHECK VALVE ASSY	634	1	ZF-1909	SHAFT BUSHING
531	2	Q-0921	CROWNED ROLLER BRGN				
531	1	W0-17	PIPE PLUG	665	1	K-2995-33	O'RING
531	1	W004-19	ROLL PIN	665	2	L-0280-K	CHECK VALVE ASSY
531	2	W015-5	BEARING	665	1	LZ-0961	RETAINER RING
531	1	W62-26-10	DOUBLE LIP SEAL	665	1	Q-0921	CROWNED ROLLER BRGN
531	1	ZV-1909	SHAFT BUSHING	665	1	W0-17	PIPE PLUG
				665	1	W015-5	BEARING
567	1	GA-0558	BEARING SPACER	665	1	W62-49-1	HP SEAL
567	1	IZ-0961	RETAINER RING	665	1	Z-0216-177	SPRING
567	1	K-2995-4	O'RING	665	1	ZF-1909	SHAFT BUSHING
567	2	L-0280-K	CHECK VALVE ASSY				
567	2	Q-0921	CROWNED ROLLER BRGN	667	1	K-2995-33	O'RING
567	1	W0-17	PIPE PLUG	667	2	L-0280-K	CHECK VALVE ASSY
567	1	W004-19	ROLL PIN	667	1	LZ-0961	RETAINER RING
567	2	W015-5	BEARING	667	2	Q-0921	CROWNED ROLLER BRGN
567	1	W62-26-10	DOUBLE LIP SEAL	667	1	W0-17	PIPE PLUG
567	1	ZV-1909	SHAFT BUSHING	667	1	W015-5	BEARING
				667	1	W62-49-1	HP SEAL
600	1	K-2995-33	O'RING	667	1	Z-0216-177	SPRING
600	2	L-0280-K	CHECK VALVE ASSY	667	1	ZF-1909	SHAFT BUSHING
600	1	LZ-0961	RETAINER RING				
600	2	Q-0921	CROWNED ROLLER BRGN	687	1	K-2995-33	O'RING
600	1	W0-17	PIPE PLUG	687	2	L-0280-K	CHECK VALVE ASSY
600	1	W015-5	BEARING	687	1	LZ-0961	RETAINER RING
600	1	W62-49-1	HP SEAL	687	2	Q-0921	CROWNED ROLLER BRGN
600	1	Z-0216-177	SPRING	687	1	W0-17	PIPE PLUG
600	1	ZF-1909	SHAFT BUSHING	687	1	W015-5	BEARING
				687	1	W62-49-1	HP SEAL
631	1	K-2995-33	O'RING	687	1	Z-0216-177	SPRING
631	2	L-0280-K	CHECK VALVE ASSY	687	1	ZF-1909	SHAFT BUSHING
631	1	LZ-0961	RETAINER RING				
631	2	Q-0921	CROWNED ROLLER BRGN	700	1	GA-0558	BEARING SPACER
631	1	W0-17	PIPE PLUG	700	1	IZ-0961	RETAINER RING
631	1	W015-5	BEARING	700	1	K-2995-4	O'RING
631	1	W62-49-1	HP SEAL	700	2	L-0280-K	CHECK VALVE ASSY
631	1	Z-0216-177	SPRING	700	2	Q-0921	CROWNED ROLLER BRGN
631	1	ZF-1909	SHAFT BUSHING	700	1	W0-17	PIPE PLUG
				700	1	W004-19	ROLL PIN
634	1	K-2995-33	O'RING	700	2	W015-5	BEARING
634	2	L-0280-K	CHECK VALVE ASSY	700	1	W62-49-1	HP SEAL
634	1	LZ-0961	RETAINER RING	700	1	ZV-1909	SHAFT BUSHING
634	2	Q-0921	CROWNED ROLLER BRGN				
634	1	W0-17	PIPE PLUG	731	1	GA-0558	BEARING SPACER

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SHAFT END COVER SMALL PARTS

CODE	QTY	PART NUMBER	D E S C R I P T I O N	CODE	QTY	PART NUMBER	D E S C R I P T I O N
731	1	IZ-0961	RETAINER RING	831	1	K-2995-33	O'RING
731	1	K-2995-4	O'RING	831	2	L-0280-K	CHECK VALVE ASSY
731	2	L-0280-K	CHECK VALVE ASSY	831	1	LZ-0961	RETAINER RING
731	2	Q-0921	CROWNED ROLLER BRGN	831	2	Q-0921	CROWNED ROLLER BRGN
731	1	W0-17	PIPE PLUG	831	1	W015-5	BEARING
731	1	W004-19	ROLL PIN	831	1	W62-49-1	HP SEAL
731	2	W015-5	BEARING	831	1	Z-0216-177	SPRING
731	1	W62-49-1	HP SEAL	831	1	ZF-1909	SHAFT BUSHING
731	1	ZV-1909	SHAFT BUSHING				
767	1	GA-0558	BEARING SPACER	852	1	K-2995-33	O'RING
767	1	IZ-0961	RETAINER RING	852	1	L-0280-K	CHECK VALVE ASSY
767	1	K-2995-4	O'RING	852	1	LZ-0961	RETAINER RING
767	2	L-0280-K	CHECK VALVE ASSY	852	2	Q-0921	CROWNED ROLLER BRGN
767	2	Q-0921	CROWNED ROLLER BRGN	852	1	W015-5	BEARING
767	1	W0-17	PIPE PLUG	852	1	W62-49-1	HP SEAL
767	1	W004-19	ROLL PIN	852	1	Z-0216-177	SPRING
767	2	W015-5	BEARING	852	1	ZF-1909	SHAFT BUSHING
767	1	W62-49-1	HP SEAL	866	1	K-2995-33	O'RING
767	1	ZV-1909	SHAFT BUSHING	866	2	L-0280-K	CHECK VALVE ASSY
800	1	K-2995-33	O'RING	866	1	LZ-0961	RETAINER RING
800	2	L-0280-K	CHECK VALVE ASSY	866	2	Q-0921	CROWNED ROLLER BRGN
800	1	LZ-0961	RETAINER RING	866	1	W0-17	PIPE PLUG
800	2	Q-0921	CROWNED ROLLER BRGN	866	1	W015-5	BEARING
800	1	W015-5	BEARING	866	1	W62-49-1	HP SEAL
800	1	W62-49-1	HP SEAL	866	1	Z-0216-177	SPRING
800	1	Z-0216-177	SPRING	866	1	ZF-1909	SHAFT BUSHING
800	1	ZF-1909	SHAFT BUSHING	867	1	K-2995-33	O'RING
801	1	K-2995-33	O'RING	867	2	L-0280-K	CHECK VALVE ASSY
801	2	L-0280-K	CHECK VALVE ASSY	867	1	LZ-0961	RETAINER RING
801	1	LZ-0961	RETAINER RING	867	2	Q-0921	CROWNED ROLLER BRGN
801	2	Q-0921	CROWNED ROLLER BRGN	867	1	W015-5	BEARING
801	1	W015-5	BEARING	867	1	W62-49-1	HP SEAL
801	1	W62-49-1	HP SEAL	867	1	Z-0216-177	SPRING
801	1	Z-0216-177	SPRING	867	1	ZF-1909	SHAFT BUSHING
801	1	ZF-1909	SHAFT BUSHING	870	1	K-2995-33	O'RING
812	1	K-2995-33	O'RING	870	2	L-0280-K	CHECK VALVE ASSY
812	2	L-0280-K	CHECK VALVE ASSY	870	1	LZ-0961	RETAINER RING
812	1	LZ-0961	RETAINER RING	870	2	Q-0921	CROWNED ROLLER BRGN
812	2	Q-0921	CROWNED ROLLER BRGN	870	1	W015-5	BEARING
812	1	W015-5	BEARING	870	1	W62-49-1	HP SEAL
812	1	W62-49-1	HP SEAL	870	1	Z-0216-177	SPRING
812	1	Z-0216-177	SPRING	870	1	ZF-1909	SHAFT BUSHING
812	1	ZF-1909	SHAFT BUSHING	886	1	K-2995-33	O'RING

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SHAFT END COVER SMALL PARTS

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
886	2	L-0280-K	CHECK VALVE ASSY
886	1	LZ-0961	RETAINER RING
886	2	Q-0921	CROWNED ROLLER BRGN
886	1	W015-5	BEARING
886	1	W62-49-1	HP SEAL
886	1	Z-0216-177	SPRING
886	1	ZF-1909	SHAFT BUSHING
887	1	K-2995-33	O'RING
887	2	L-0280-K	CHECK VALVE ASSY
887	1	LZ-0961	RETAINER RING
887	2	Q-0921	CROWNED ROLLER BRGN
887	1	W015-5	BEARING
887	1	W62-49-1	HP SEAL
887	1	Z-0216-177	SPRING
887	1	ZF-1909	SHAFT BUSHING

PERMCO MODEL: 3700**Port End Covers**

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
AT	1	MZ-0592	BLANK & BLANK MULT
AX	1	MZ-0592	BLANK & BLANK MULT XSD
AZ	1	MZ-0592	BLANK & BLANK SINGLE
BT	1	MZ-0592-1	BLANK & 3/4 NPT MULT
BX	1	MZ-0592-1	BLANK & 3/4 NPT MULT XSD
BZ	1	MZ-0592-1	BLANK & 3/4 NPT SINGLE
CT	1	MZ-0592-4	BLANK & 1 NPT MULT
CX	1	MZ-0592-4	BLANK & 1 NPT MULT XSD
CZ	1	MZ-0592-4	BLANK & 1 NPT SINGLE
ET	1	MZ-0592-1	3/4 NPT & BLANK MULT
EX	1	MZ-0592-1	3/4 NPT & BLANK MULT XSD
EZ	1	MZ-0592-1	3/4 NPT & BLANK SINGLE
FT	1	MZ-0592-2	3/4 NPT & 3/4 NPT MULT
FX	1	MZ-0592-2	3/4 NPT & 3/4 NPT MULT XSD
FZ	1	MZ-0592-2	3/4 NPT & 3/4 NPT SINGLE
GT	1	MZ-0592-3	3/4 NPT & 1 NPT MULT
GX	1	MZ-0592-3	3/4 NPT & 1 NPT MULT XSD
GZ	1	MZ-0592-3	3/4 NPT & 1 NPT SINGLE
IT	1	MZ-0592-4	1 NPT & BLANK MULT
IX	1	MZ-0592-4	1 NPT & BLANK MULT XSD
IZ	1	MZ-0592-4	1 NPT & BLANK SINGLE
JT	1	MZ-0592-3	1 NPT & 3/4 NPT MULT
JX	1	MZ-0592-3	1 NPT & 3/4 NPT MULT XSD
JZ	1	MZ-0592-3	1 NPT & 3/4 NPT SINGLE
KT	1	MZ-0592-5	1 NPT & 1 NPT MULT
KX	1	MZ-0592-5	1 NPT & 1 NPT MULT XSD
KZ	1	MZ-0592-5	1 NPT & 1 NPT SINGLE
LT	1	MZ-0592-58	3/4 ORB & 3/4 ORB MULT
LX	1	MZ-0592-58	3/4 ORB & 3/4 ORB MULT XSD
LZ	1	MZ-0592-58	3/4 ORB & 3/4 ORB SINGLE
MT	1	MZ-0592-57	BLANK & 3/4 ORB MULT
MX	1	MZ-0592-57	BLANK & 3/4 ORB MULT XSD
MZ	1	MZ-0592-57	BLANK & 3/4 ORB SINGLE
OT	1	MZ-0592-57	3/4 ORB & BLANK MULT
OX	1	MZ-0592-57	3/4 ORB & BLANK MULT XSD
OZ	1	MZ-0592-57	3/4 ORB & BLANK SINGLE

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PORT END COVER SMALL PARTS

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
	2	Q-0921	CROWNED ROLLER BRNG
	1	Z-1967-45-2	PERMCO NAME TAG

PERMCO MODEL: 3700

Housings

CODE	QTY	PART NUMBER	D E S C R I P T I O N		CODE	QTY	PART NUMBER	D E S C R I P T I O N	
AA25	1	OZ-0577-25-19	2 NPT	& 2 NPT	HK22	1	KZ-0577-22-5	1 NPT	& 1 NPT
DB07	1	KZ-0577-07-9	1/2 NPT	& 1/2 NPT	HK25	1	KZ-0577-25-5	1 NPT	& 1 NPT
DB10	1	KZ-0577-10-9	1/2 NPT	& 1/2 NPT	HK30	1	KZ-0577-30-5	1 NPT	& 1 NPT
DB12	1	KZ-0577-12-9	1/2 NPT	& 1/2 NPT	HL15	1	KZ-0577-15-6	1 NPT	& 1 1/4 NPT
DQ07	1	KZ-0577-07-2	3/4 NPT	& 3/4 NPT	HL17	1	KZ-0577-17-6	1 NPT	& 1 1/4 NPT
DQ10	1	KZ-0577-10-2	3/4 NPT	& 3/4 NPT	HL20	1	KZ-0577-20-6	1 NPT	& 1 1/4 NPT
DQ12	1	KZ-0577-12-2	3/4 NPT	& 3/4 NPT	HL22	1	KZ-0577-22-6	1 NPT	& 1 1/4 NPT
DQ15	1	KZ-0577-15-2	3/4 NPT	& 3/4 NPT	HL25	1	KZ-0577-25-6	1 NPT	& 1 1/4 NPT
DQ17	1	KZ-0577-17-2	3/4 NPT	& 3/4 NPT	HL30	1	KZ-0577-30-6	1 NPT	& 1 1/4 NPT
DQ20	1	KZ-0577-20-2	3/4 NPT	& 3/4 NPT	HM20	1	KZ-0577-20-11	1 NPT	& 1 1/2 NPT
DQ22	1	KZ-0577-22-2	3/4 NPT	& 3/4 NPT	HM22	1	KZ-0577-22-11	1 NPT	& 1 1/2 NPT
DQ25	1	KZ-0577-25-2	3/4 NPT	& 3/4 NPT	HM25	1	KZ-0577-25-11	1 NPT	& 1 1/2 NPT
DQ30	1	KZ-0577-30-2	3/4 NPT	& 3/4 NPT	HM30	1	KZ-0577-30-11	1 NPT	& 1 1/2 NPT
DS10	1	KZ-0577-10-3	3/4 NPT	& 1 NPT	HP15	1	KZ-0577-15-10	1 1/4 NPT	& 3/4 NPT
DS12	1	KZ-0577-12-3	3/4 NPT	& 1 NPT	HP17	1	KZ-0577-17-10	1 1/4 NPT	& 3/4 NPT
DS15	1	KZ-0577-15-3	3/4 NPT	& 1 NPT	HP20	1	KZ-0577-20-10	1 1/4 NPT	& 3/4 NPT
DS17	1	KZ-0577-17-3	3/4 NPT	& 1 NPT	HP22	1	KZ-0577-22-10	1 1/4 NPT	& 3/4 NPT
DS20	1	KZ-0577-20-3	3/4 NPT	& 1 NPT	HP25	1	KZ-0577-25-10	1 1/4 NPT	& 3/4 NPT
DS22	1	KZ-0577-22-3	3/4 NPT	& 1 NPT	HP30	1	KZ-0577-30-10	1 1/4 NPT	& 3/4 NPT
DS25	1	KZ-0577-25-3	3/4 NPT	& 1 NPT	HR15	1	KZ-0577-15-6	1 1/4 NPT	& 1 NPT
DS30	1	KZ-0577-30-3	3/4 NPT	& 1 NPT	HR17	1	KZ-0577-17-6	1 1/4 NPT	& 1 NPT
DT15	1	KZ-0577-15-10	3/4 NPT	& 1 1/4 NPT	HR20	1	KZ-0577-20-6	1 1/4 NPT	& 1 NPT
DT17	1	KZ-0577-17-10	3/4 NPT	& 1 1/4 NPT	HR22	1	KZ-0577-22-6	1 1/4 NPT	& 1 NPT
DT20	1	KZ-0577-20-10	3/4 NPT	& 1 1/4 NPT	HR25	1	KZ-0577-25-6	1 1/4 NPT	& 1 NPT
DT22	1	KZ-0577-22-10	3/4 NPT	& 1 1/4 NPT	HR30	1	KZ-0577-30-6	1 1/4 NPT	& 1 NPT
DT25	1	KZ-0577-25-10	3/4 NPT	& 1 1/4 NPT	HS15	1	KZ-0577-15-8	1 1/4 NPT	& 1 1/4 NPT
DT30	1	KZ-0577-30-10	3/4 NPT	& 1 1/4 NPT	HS17	1	KZ-0577-17-8	1 1/4 NPT	& 1 1/4 NPT
HI10	1	KZ-0577-10-3	1 NPT	& 3/4 NPT	HS20	1	KZ-0577-20-8	1 1/4 NPT	& 1 1/4 NPT
HI12	1	KZ-0577-12-3	1 NPT	& 3/4 NPT	HS22	1	KZ-0577-22-8	1 1/4 NPT	& 1 1/4 NPT
HI15	1	KZ-0577-15-3	1 NPT	& 3/4 NPT	HS25	1	KZ-0577-25-8	1 1/4 NPT	& 1 1/4 NPT
HI17	1	KZ-0577-17-3	1 NPT	& 3/4 NPT	HS30	1	KZ-0577-30-8	1 1/4 NPT	& 1 1/4 NPT
HI20	1	KZ-0577-20-3	1 NPT	& 3/4 NPT	HT20	1	KZ-0577-20-12	1 1/4 NPT	& 1 1/2 NPT
HI22	1	KZ-0577-22-3	1 NPT	& 3/4 NPT	HT22	1	KZ-0577-22-12	1 1/4 NPT	& 1 1/2 NPT
HI25	1	KZ-0577-25-3	1 NPT	& 3/4 NPT	HT25	1	KZ-0577-25-12	1 1/4 NPT	& 1 1/2 NPT
HI30	1	KZ-0577-30-3	1 NPT	& 3/4 NPT	HT30	1	KZ-0577-30-12	1 1/4 NPT	& 1 1/2 NPT
HK10	1	KZ-0577-10-5	1 NPT	& 1 NPT	HX20	1	KZ-0577-20-11	1 1/2 NPT	& 1 NPT
HK12	1	KZ-0577-12-5	1 NPT	& 1 NPT	HX22	1	KZ-0577-22-11	1 1/2 NPT	& 1 NPT
HK15	1	KZ-0577-15-5	1 NPT	& 1 NPT	HX25	1	KZ-0577-25-11	1 1/2 NPT	& 1 NPT
HK17	1	KZ-0577-17-5	1 NPT	& 1 NPT	HX30	1	KZ-0577-30-11	1 1/2 NPT	& 1 NPT
HK20	1	KZ-0577-20-5	1 NPT	& 1 NPT	HY20	1	KZ-0577-20-12	1 1/2 NPT	& 1 1/4 NPT

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Housings

CODE	QTY	PART NUMBER	D E S C R I P T I O N		CODE	QTY	PART NUMBER	D E S C R I P T I O N	
HY22	1	KZ-0577-22-12	1 1/2 NPT	& 1 1/4 NPT	NJ20	1	KZ-0577-20-39	BLANK	& 1 1/2 SF
HY25	1	KZ-0577-25-12	1 1/2 NPT	& 1 1/4 NPT	NJ22	1	KZ-0577-22-39	BLANK	& 1 1/2 SF
HY30	1	KZ-0577-30-12	1 1/2 NPT	& 1 1/4 NPT	NJ25	1	KZ-0577-25-39	BLANK	& 1 1/2 SF
IB20	1	KZ-0577-20-13	1 1/2 NPT	& 1 1/2 NPT	NJ30	1	KZ-0577-30-39	BLANK	& 1 1/2 SF
IB22	1	KZ-0577-22-13	1 1/2 NPT	& 1 1/2 NPT	NK25	1	KZ-0577-25-42	BLANK	& 2 SF
IB25	1	KZ-0577-25-13	1 1/2 NPT	& 1 1/2 NPT	NK30	1	KZ-0577-30-42	BLANK	& 2 SF
IB30	1	KZ-0577-30-13	1 1/2 NPT	& 1 1/2 NPT	NL30	1	KZ-0577-30-50	BLANK	& 2 1/2 SF
NB07	1	KZ-0577-07-26	BLANK	& 1/2 SF	NO07	1	KZ-0577-07-26	1/2 SF	& BLANK
NB10	1	KZ-0577-10-26	BLANK	& 1/2 SF	NO10	1	KZ-0577-10-26	1/2 SF	& BLANK
NB12	1	KZ-0577-12-26	BLANK	& 1/2 SF	NO12	1	KZ-0577-12-26	1/2 SF	& BLANK
NB15	1	KZ-0577-15-26	BLANK	& 1/2 SF	NO15	1	KZ-0577-15-26	1/2 SF	& BLANK
NB17	1	KZ-0577-17-26	BLANK	& 1/2 SF	NO17	1	KZ-0577-17-26	1/2 SF	& BLANK
NB20	1	KZ-0577-20-26	BLANK	& 1/2 SF	NO20	1	KZ-0577-20-26	1/2 SF	& BLANK
NB22	1	KZ-0577-22-26	BLANK	& 1/2 SF	NO22	1	KZ-0577-22-26	1/2 SF	& BLANK
NB25	1	KZ-0577-25-26	BLANK	& 1/2 SF	NO25	1	KZ-0577-25-26	1/2 SF	& BLANK
NB30	1	KZ-0577-30-26	BLANK	& 1/2 SF	NO30	1	KZ-0577-30-26	1/2 SF	& BLANK
NE07	1	KZ-0577-07-29	BLANK	& 3/4 SF	NQ07	1	KZ-0577-07-29	3/4 SF	& BLANK
NE10	1	KZ-0577-10-29	BLANK	& 3/4 SF	NQ10	1	KZ-0577-10-29	3/4 SF	& BLANK
NE12	1	KZ-0577-12-29	BLANK	& 3/4 SF	NQ12	1	KZ-0577-12-29	3/4 SF	& BLANK
NE15	1	KZ-0577-15-29	BLANK	& 3/4 SF	NQ15	1	KZ-0577-15-29	3/4 SF	& BLANK
NE17	1	KZ-0577-17-29	BLANK	& 3/4 SF	NQ17	1	KZ-0577-17-29	3/4 SF	& BLANK
NE20	1	KZ-0577-20-29	BLANK	& 3/4 SF	NQ20	1	KZ-0577-20-29	3/4 SF	& BLANK
NE22	1	KZ-0577-22-29	BLANK	& 3/4 SF	NQ22	1	KZ-0577-22-29	3/4 SF	& BLANK
NE25	1	KZ-0577-25-29	BLANK	& 3/4 SF	NQ25	1	KZ-0577-25-29	3/4 SF	& BLANK
NE30	1	KZ-0577-30-29	BLANK	& 3/4 SF	NQ30	1	KZ-0577-30-29	3/4 SF	& BLANK
NG10	1	KZ-0577-10-32	BLANK	& 1 SF	NR22	1	KZ-0577-22-95	1 SF	& 2 SF
NG12	1	KZ-0577-12-32	BLANK	& 1 SF	NR25	1	KZ-0577-25-95	1 SF	& 2 SF
NG15	1	KZ-0577-15-32	BLANK	& 1 SF	NS10	1	KZ-0577-10-32	1 SF	& BLANK
NG17	1	KZ-0577-17-32	BLANK	& 1 SF	NS12	1	KZ-0577-12-32	1 SF	& BLANK
NG20	1	KZ-0577-20-32	BLANK	& 1 SF	NS15	1	KZ-0577-15-32	1 SF	& BLANK
NG22	1	KZ-0577-22-32	BLANK	& 1 SF	NS17	1	KZ-0577-17-32	1 SF	& BLANK
NG25	1	KZ-0577-25-32	BLANK	& 1 SF	NS20	1	KZ-0577-20-32	1 SF	& BLANK
NG30	1	KZ-0577-30-32	BLANK	& 1 SF	NS22	1	KZ-0577-22-32	1 SF	& BLANK
NI15	1	KZ-0577-15-35	BLANK	& 1 1/4 SF	NS25	1	KZ-0577-25-32	1 SF	& BLANK
NI17	1	KZ-0577-17-35	BLANK	& 1 1/4 SF	NS30	1	KZ-0577-30-32	1 SF	& BLANK
NI20	1	KZ-0577-20-35	BLANK	& 1 1/4 SF	NU15	1	KZ-0577-15-35	1 1/4 SF	& BLANK
NI22	1	KZ-0577-22-35	BLANK	& 1 1/4 SF	NU17	1	KZ-0577-17-35	1 1/4 SF	& BLANK
NI25	1	KZ-0577-25-35	BLANK	& 1 1/4 SF	NU20	1	KZ-0577-20-35	1 1/4 SF	& BLANK
NI30	1	KZ-0577-30-35	BLANK	& 1 1/4 SF	NU22	1	KZ-0577-22-35	1 1/4 SF	& BLANK
NJ17	1	KZ-0577-17-39	BLANK	& 1 1/2 SF	NU25	1	KZ-0577-25-35	1 1/4 SF	& BLANK

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Housings

CODE	QTY	PART NUMBER	D E S C R I P T I O N		CODE	QTY	PART NUMBER	D E S C R I P T I O N	
NU30	1	KZ-0577-30-35	1	1/4 SF & BLANK	QP25	1	KZ-0577-25-37	1	1/4 SF & 3/4 SF
NV17	1	KZ-0577-17-39	1	1/2 SF & BLANK	QP30	1	KZ-0577-30-37	1	1/4 SF & 3/4 SF
NV20	1	KZ-0577-20-39	1	1/2 SF & BLANK	QR12	1	KZ-0577-12-34	1	1/4 SF & 1 SF
NV22	1	KZ-0577-22-39	1	1/2 SF & BLANK	QR15	1	KZ-0577-15-34	1	1/4 SF & 1 SF
NV25	1	KZ-0577-25-39	1	1/2 SF & BLANK	QR17	1	KZ-0577-17-34	1	1/4 SF & 1 SF
NV30	1	KZ-0577-30-39	1	1/2 SF & BLANK	QR20	1	KZ-0577-20-34	1	1/4 SF & 1 SF
NW25	1	KZ-0577-25-42	2	SF & BLANK	QR22	1	KZ-0577-22-34	1	1/4 SF & 1 SF
NW30	1	KZ-0577-30-42	2	SF & BLANK	QR25	1	KZ-0577-25-34	1	1/4 SF & 1 SF
NX30	1	KZ-0577-30-50	2	1/2 SF & BLANK	QR30	1	KZ-0577-30-34	1	1/4 SF & 1 SF
NY22	1	KZ-0577-22-95	2	SF & 1 SF	QS15	1	KZ-0577-15-36	1	1/4 SF & 1 1/4 SF
NY25	1	KZ-0577-25-95	2	SF & 1 SF	QS17	1	KZ-0577-17-36	1	1/4 SF & 1 1/4 SF
QI10	1	KZ-0577-10-31	1	SF & 3/4 SF	QS20	1	KZ-0577-20-36	1	1/4 SF & 1 1/4 SF
QI12	1	KZ-0577-12-31	1	SF & 3/4 SF	QS22	1	KZ-0577-22-36	1	1/4 SF & 1 1/4 SF
QI15	1	KZ-0577-15-31	1	SF & 3/4 SF	QS25	1	KZ-0577-25-36	1	1/4 SF & 1 1/4 SF
QI17	1	KZ-0577-17-31	1	SF & 3/4 SF	QS30	1	KZ-0577-30-36	1	1/4 SF & 1 1/4 SF
QI20	1	KZ-0577-20-31	1	SF & 3/4 SF	QT17	1	KZ-0577-17-38	1	1/4 SF & 1 1/2 SF
QI22	1	KZ-0577-22-31	1	SF & 3/4 SF	QT20	1	KZ-0577-20-38	1	1/4 SF & 1 1/2 SF
QI25	1	KZ-0577-25-31	1	SF & 3/4 SF	QT22	1	KZ-0577-22-38	1	1/4 SF & 1 1/2 SF
QI30	1	KZ-0577-30-31	1	SF & 3/4 SF	QT25	1	KZ-0577-25-38	1	1/4 SF & 1 1/2 SF
QK12	1	KZ-0577-12-33	1	SF & 1 SF	QT30	1	KZ-0577-30-38	1	1/4 SF & 1 1/2 SF
QK15	1	KZ-0577-15-33	1	SF & 1 SF	QW20	1	KZ-0577-20-45	1	1/4 SF & 2 SF
QK17	1	KZ-0577-17-33	1	SF & 1 SF	QW22	1	KZ-0577-22-45	1	1/4 SF & 2 SF
QK20	1	KZ-0577-20-33	1	SF & 1 SF	QW25	1	KZ-0577-25-45	1	1/4 SF & 2 SF
QK22	1	KZ-0577-22-33	1	SF & 1 SF	QW30	1	KZ-0577-30-45	1	1/4 SF & 2 SF
QK25	1	KZ-0577-25-33	1	SF & 1 SF	QX15	1	KZ-0577-15-44	1	1/2 SF & 1 SF
QK30	1	KZ-0577-30-33	1	SF & 1 SF	QX17	1	KZ-0577-17-44	1	1/2 SF & 1 SF
QL12	1	KZ-0577-12-34	1	SF & 1 1/4 SF	QX20	1	KZ-0577-20-44	1	1/2 SF & 1 SF
QL15	1	KZ-0577-15-34	1	SF & 1 1/4 SF	QY17	1	KZ-0577-17-38	1	1/2 SF & 1 1/4 SF
QL17	1	KZ-0577-17-34	1	SF & 1 1/4 SF	QY20	1	KZ-0577-20-38	1	1/2 SF & 1 1/4 SF
QL20	1	KZ-0577-20-34	1	SF & 1 1/4 SF	QY22	1	KZ-0577-22-38	1	1/2 SF & 1 1/4 SF
QL22	1	KZ-0577-22-34	1	SF & 1 1/4 SF	QY25	1	KZ-0577-25-38	1	1/2 SF & 1 1/4 SF
QL25	1	KZ-0577-25-34	1	SF & 1 1/4 SF	QY30	1	KZ-0577-30-38	1	1/2 SF & 1 1/4 SF
QL30	1	KZ-0577-30-34	1	SF & 1 1/4 SF	RB20	1	KZ-0577-20-40	1	1/2 SF & 1 1/2 SF
QM15	1	KZ-0577-15-44	1	SF & 1 1/2 SF	RB22	1	KZ-0577-22-40	1	1/2 SF & 1 1/2 SF
QM17	1	KZ-0577-17-44	1	SF & 1 1/2 SF	RB25	1	KZ-0577-25-40	1	1/2 SF & 1 1/2 SF
QM20	1	KZ-0577-20-44	1	SF & 1 1/2 SF	RB30	1	KZ-0577-30-40	1	1/2 SF & 1 1/2 SF
QP15	1	KZ-0577-15-37	1	1/4 SF & 3/4 SF	RC22	1	KZ-0577-22-41	1	1/2 SF & 2 SF
QP17	1	KZ-0577-17-37	1	1/4 SF & 3/4 SF	RC25	1	KZ-0577-25-41	1	1/2 SF & 2 SF
QP20	1	KZ-0577-20-37	1	1/4 SF & 3/4 SF	RC30	1	KZ-0577-30-41	1	1/2 SF & 2 SF
QP22	1	KZ-0577-22-37	1	1/4 SF & 3/4 SF	RB30	1	KZ-0577-30-47	1	1/2 SF & 2 1/2 SF

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Housings

CODE	QTY	PART NUMBER	D E S C R I P T I O N		CODE	QTY	PART NUMBER	D E S C R I P T I O N	
RF22	1	KZ-0577-22-45	2 SF	& 1 1/4 SF	TJ30	1	KZ-0577-30-69	BLANK	& 1 1/2 ORB
RF25	1	KZ-0577-25-45	2 SF	& 1 1/4 SF	TO07	1	KZ-0577-07-51	1/2 ORB	& BLANK
RF30	1	KZ-0577-30-45	2 SF	& 1 1/4 SF	TO10	1	KZ-0577-10-51	1/2 ORB	& BLANK
RG22	1	KZ-0577-22-41	2 SF	& 1 1/2 SF	TO12	1	KZ-0577-12-51	1/2 ORB	& BLANK
RG25	1	KZ-0577-25-41	2 SF	& 1 1/2 SF	TO15	1	KZ-0577-15-51	1/2 ORB	& BLANK
RG30	1	KZ-0577-30-41	2 SF	& 1 1/2 SF	TP07	1	KZ-0577-07-54	5/8 ORB	& BLANK
RJ25	1	KZ-0577-25-43	2 SF	& 2 SF	TP10	1	KZ-0577-10-54	5/8 ORB	& BLANK
RJ30	1	KZ-0577-30-43	2 SF	& 2 SF	TP12	1	KZ-0577-12-54	5/8 ORB	& BLANK
RM30	1	KZ-0577-30-47	2 1/2 SF	& 1 1/2 SF	TP15	1	KZ-0577-15-54	5/8 ORB	& BLANK
RP30	+ + 1	KZ-0577-30-48	2 1/2 SF	& 2 1/2 SF	TQ10	1	KZ-0577-10-57	3/4 ORB	& BLANK
TB07	1	KZ-0577-07-51	BLANK	& 1/2 ORB	TQ12	1	KZ-0577-12-57	3/4 ORB	& BLANK
TB10	1	KZ-0577-10-51	BLANK	& 1/2 ORB	TQ15	1	KZ-0577-15-57	3/4 ORB	& BLANK
TB12	1	KZ-0577-12-51	BLANK	& 1/2 ORB	TQ17	1	KZ-0577-17-57	3/4 ORB	& BLANK
TB15	1	KZ-0577-15-51	BLANK	& 1/2 ORB	TR12	1	KZ-0577-12-60	7/8 ORB	& BLANK
TC07	1	KZ-0577-07-54	BLANK	& 5/8 ORB	TR15	1	KZ-0577-15-60	7/8 ORB	& BLANK
TC10	1	KZ-0577-10-54	BLANK	& 5/8 ORB	TR17	1	KZ-0577-17-60	7/8 ORB	& BLANK
TC12	1	KZ-0577-12-54	BLANK	& 5/8 ORB	TR20	1	KZ-0577-20-60	7/8 ORB	& BLANK
TC15	1	KZ-0577-15-54	BLANK	& 5/8 ORB	TS10	1	KZ-0577-10-63	1 ORB	& BLANK
TE10	1	KZ-0577-10-57	BLANK	& 3/4 ORB	TS12	1	KZ-0577-12-63	1 ORB	& BLANK
TE12	1	KZ-0577-12-57	BLANK	& 3/4 ORB	TS15	1	KZ-0577-15-63	1 ORB	& BLANK
TE15	1	KZ-0577-15-57	BLANK	& 3/4 ORB	TS17	1	KZ-0577-17-63	1 ORB	& BLANK
TE17	1	KZ-0577-17-57	BLANK	& 3/4 ORB	TS20	1	KZ-0577-20-63	1 ORB	& BLANK
TF12	1	KZ-0577-12-60	BLANK	& 7/8 ORB	TS22	1	KZ-0577-22-63	1 ORB	& BLANK
TF15	1	KZ-0577-15-60	BLANK	& 7/8 ORB	TS25	1	KZ-0577-25-63	1 ORB	& BLANK
TF17	1	KZ-0577-17-60	BLANK	& 7/8 ORB	TU17	1	KZ-0577-17-66	1 1/4 ORB	& BLANK
TF20	1	KZ-0577-20-60	BLANK	& 7/8 ORB	TU20	1	KZ-0577-20-66	1 1/4 ORB	& BLANK
TG10	1	KZ-0577-10-63	BLANK	& 1 ORB	TU22	1	KZ-0577-22-66	1 1/4 ORB	& BLANK
TG12	1	KZ-0577-12-63	BLANK	& 1 ORB	TU25	1	KZ-0577-25-66	1 1/4 ORB	& BLANK
TG15	1	KZ-0577-15-63	BLANK	& 1 ORB	TV20	1	KZ-0577-20-69	1 1/2 ORB	& BLANK
TG17	1	KZ-0577-17-63	BLANK	& 1 ORB	TV22	1	KZ-0577-22-69	1 1/2 ORB	& BLANK
TG20	1	KZ-0577-20-63	BLANK	& 1 ORB	TV25	1	KZ-0577-25-69	1 1/2 ORB	& BLANK
TG22	1	KZ-0577-22-63	BLANK	& 1 ORB	TV30	1	KZ-0577-30-69	1 1/2 ORB	& BLANK
TG25	1	KZ-0577-25-63	BLANK	& 1 ORB	UB15	1	KZ-0577-15-62	7/8 ORB	& 1 ORB
TI17	1	KZ-0577-17-66	BLANK	& 1 1/4 ORB	UB17	1	KZ-0577-17-62	7/8 ORB	& 1 ORB
TI20	1	KZ-0577-20-66	BLANK	& 1 1/4 ORB	UB20	1	KZ-0577-20-62	7/8 ORB	& 1 ORB
TI22	1	KZ-0577-22-66	BLANK	& 1 1/4 ORB	UB22	1	KZ-0577-22-62	7/8 ORB	& 1 ORB
TI25	1	KZ-0577-25-66	BLANK	& 1 1/4 ORB	UB25	1	KZ-0577-25-62	7/8 ORB	& 1 ORB
TJ20	1	KZ-0577-20-69	BLANK	& 1 1/2 ORB	UI10	1	KZ-0577-10-71	1 ORB	& 3/4 ORB
TJ22	1	KZ-0577-22-69	BLANK	& 1 1/2 ORB	UJ15	1	KZ-0577-15-62	1 ORB	& 7/8 ORB
TJ25	1	KZ-0577-25-69	BLANK	& 1 1/2 ORB	UJ17	1	KZ-0577-17-62	1 ORB	& 7/8 ORB

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Housings

CODE	QTY	PART NUMBER	D E S C R I P T I O N		CODE	QTY	PART NUMBER	D E S C R I P T I O N	
UJ20	1	KZ-0577-20-62	1 ORB	& 7/8 ORB	XI07	1	KZ-0577-07-53	5/8 ORB	& 1/2 ORB
UJ22	1	KZ-0577-22-62	1 ORB	& 7/8 ORB	XI10	1	KZ-0577-10-53	5/8 ORB	& 1/2 ORB
UJ25	1	KZ-0577-25-62	1 ORB	& 7/8 ORB	XI12	1	KZ-0577-12-53	5/8 ORB	& 1/2 ORB
UK12	1	KZ-0577-12-64	1 ORB	& 1 ORB	XI15	1	KZ-0577-15-53	5/8 ORB	& 1/2 ORB
UK15	1	KZ-0577-15-64	1 ORB	& 1 ORB	XJ07	1	KZ-0577-07-55	5/8 ORB	& 5/8 ORB
UK17	1	KZ-0577-17-64	1 ORB	& 1 ORB	XJ10	1	KZ-0577-10-55	5/8 ORB	& 5/8 ORB
UK20	1	KZ-0577-20-64	1 ORB	& 1 ORB	XJ12	1	KZ-0577-12-55	5/8 ORB	& 5/8 ORB
UK22	1	KZ-0577-22-64	1 ORB	& 1 ORB	XJ15	1	KZ-0577-15-55	5/8 ORB	& 5/8 ORB
UK25	1	KZ-0577-25-64	1 ORB	& 1 ORB	XK10	1	KZ-0577-10-56	5/8 ORB	& 3/4 ORB
UL17	1	KZ-0577-17-65	1 ORB	& 1 1/4 ORB	XK12	1	KZ-0577-12-56	5/8 ORB	& 3/4 ORB
UL20	1	KZ-0577-20-65	1 ORB	& 1 1/4 ORB	XK15	1	KZ-0577-15-56	5/8 ORB	& 3/4 ORB
UL22	1	KZ-0577-22-65	1 ORB	& 1 1/4 ORB	XK17	1	KZ-0577-17-56	5/8 ORB	& 3/4 ORB
UL25	1	KZ-0577-25-65	1 ORB	& 1 1/4 ORB	XP10	1	KZ-0577-10-56	3/4 ORB	& 5/8 ORB
UR17	1	KZ-0577-17-65	1 1/4 ORB	& 1 ORB	XP12	1	KZ-0577-12-56	3/4 ORB	& 5/8 ORB
UR20	1	KZ-0577-20-65	1 1/4 ORB	& 1 ORB	XP15	1	KZ-0577-15-56	3/4 ORB	& 5/8 ORB
UR22	1	KZ-0577-22-65	1 1/4 ORB	& 1 ORB	XP17	1	KZ-0577-17-56	3/4 ORB	& 5/8 ORB
UR25	1	KZ-0577-25-65	1 1/4 ORB	& 1 ORB	XQ10	1	KZ-0577-10-58	3/4 ORB	& 3/4 ORB
US17	1	KZ-0577-17-67	1 1/4 ORB	& 1 1/4 ORB	XQ12	1	KZ-0577-12-58	3/4 ORB	& 3/4 ORB
US20	1	KZ-0577-20-67	1 1/4 ORB	& 1 1/4 ORB	XQ15	1	KZ-0577-15-58	3/4 ORB	& 3/4 ORB
US22	1	KZ-0577-22-67	1 1/4 ORB	& 1 1/4 ORB	XQ17	1	KZ-0577-17-58	3/4 ORB	& 3/4 ORB
US25	1	KZ-0577-25-67	1 1/4 ORB	& 1 1/4 ORB	XQ20	1	KZ-0577-20-58	3/4 ORB	& 3/4 ORB
US30	1	KZ-0577-30-67	1 1/4 ORB	& 1 1/4 ORB	XQ22	1	KZ-0577-22-58	3/4 ORB	& 3/4 ORB
UT20	1	KZ-0577-20-68	1 1/4 ORB	& 1 1/2 ORB	XQ25	1	KZ-0577-25-58	3/4 ORB	& 3/4 ORB
UT22	1	KZ-0577-22-68	1 1/4 ORB	& 1 1/2 ORB	XQ30	1	KZ-0577-30-58	3/4 ORB	& 3/4 ORB
UT25	1	KZ-0577-25-68	1 1/4 ORB	& 1 1/2 ORB	XR12	1	KZ-0577-12-59	3/4 ORB	& 7/8 ORB
UT30	1	KZ-0577-30-68	1 1/4 ORB	& 1 1/2 ORB	XR15	1	KZ-0577-15-59	3/4 ORB	& 7/8 ORB
UY20	1	KZ-0577-20-68	1 1/2 ORB	& 1 1/4 ORB	XR17	1	KZ-0577-17-59	3/4 ORB	& 7/8 ORB
UY22	1	KZ-0577-22-68	1 1/2 ORB	& 1 1/4 ORB	XR20	1	KZ-0577-20-59	3/4 ORB	& 7/8 ORB
UY25	1	KZ-0577-25-68	1 1/2 ORB	& 1 1/4 ORB	XS10	1	KZ-0577-10-71	3/4 ORB	& 1 ORB
UY30	1	KZ-0577-30-68	1 1/2 ORB	& 1 1/4 ORB	XW12	1	KZ-0577-12-59	7/8 ORB	& 3/4 ORB
VB25	1	KZ-0577-25-70	1 1/2 ORB	& 1 1/2 ORB	XW15	1	KZ-0577-15-59	7/8 ORB	& 3/4 ORB
VB30	1	KZ-0577-30-70	1 1/2 ORB	& 1 1/2 ORB	XW17	1	KZ-0577-17-59	7/8 ORB	& 3/4 ORB
XB07	1	KZ-0577-07-52	1/2 ORB	& 1/2 ORB	XW20	1	KZ-0577-20-59	7/8 ORB	& 3/4 ORB
XB10	1	KZ-0577-10-52	1/2 ORB	& 1/2 ORB	XY12	1	KZ-0577-12-61	7/8 ORB	& 7/8 ORB
XB12	1	KZ-0577-12-52	1/2 ORB	& 1/2 ORB	XY15	1	KZ-0577-15-61	7/8 ORB	& 7/8 ORB
XB15	1	KZ-0577-15-52	1/2 ORB	& 1/2 ORB	XY17	1	KZ-0577-17-61	7/8 ORB	& 7/8 ORB
XC07	1	KZ-0577-07-53	1/2 ORB	& 5/8 ORB	XY20	1	KZ-0577-20-61	7/8 ORB	& 7/8 ORB
XC10	1	KZ-0577-10-53	1/2 ORB	& 5/8 ORB	XY22	1	KZ-0577-22-61	7/8 ORB	& 7/8 ORB
XC12	1	KZ-0577-12-53	1/2 ORB	& 5/8 ORB	XY25	1	KZ-0577-25-61	7/8 ORB	& 7/8 ORB
XC15	1	KZ-0577-15-53	1/2 ORB	& 5/8 ORB	XY30	1	KZ-0577-30-61	7/8 ORB	& 7/8 ORB

PERMCO MODEL: 3700

Housings

CODE	QTY	PART NUMBER	D E S C R I P T I O N		CODE	QTY	PART NUMBER	D E S C R I P T I O N	
YB07	1	KZ-0577-07-27	1/2 SF	& 1/2 SF	YS20	1	KZ-0577-20-31	3/4 SF	& 1 SF
YB10	1	KZ-0577-10-27	1/2 SF	& 1/2 SF	YS22	1	KZ-0577-22-31	3/4 SF	& 1 SF
YB12	1	KZ-0577-12-27	1/2 SF	& 1/2 SF	YS25	1	KZ-0577-25-31	3/4 SF	& 1 SF
YB15	1	KZ-0577-15-27	1/2 SF	& 1/2 SF	YS30	1	KZ-0577-30-31	3/4 SF	& 1 SF
YB17	1	KZ-0577-17-27	1/2 SF	& 1/2 SF	YT15	1	KZ-0577-15-37	3/4 SF	& 1 1/4 SF
YB20	1	KZ-0577-20-27	1/2 SF	& 1/2 SF	YT17	1	KZ-0577-17-37	3/4 SF	& 1 1/4 SF
YB22	1	KZ-0577-22-27	1/2 SF	& 1/2 SF	YT20	1	KZ-0577-20-37	3/4 SF	& 1 1/4 SF
YB25	1	KZ-0577-25-27	1/2 SF	& 1/2 SF	YT22	1	KZ-0577-22-37	3/4 SF	& 1 1/4 SF
YB30	1	KZ-0577-30-27	1/2 SF	& 1/2 SF	YT25	1	KZ-0577-25-37	3/4 SF	& 1 1/4 SF
YE07	1	KZ-0577-07-28	1/2 SF	& 3/4 SF	YT30	1	KZ-0577-30-37	3/4 SF	& 1 1/4 SF
YE10	1	KZ-0577-10-28	1/2 SF	& 3/4 SF	ZA02	1	KZ-0577-02	BLANK	& BLANK
YE12	1	KZ-0577-12-28	1/2 SF	& 3/4 SF	ZA05	1	KZ-0577-05	BLANK	& BLANK
YE15	1	KZ-0577-15-28	1/2 SF	& 3/4 SF	ZA07	1	KZ-0577-07	BLANK	& BLANK
YE17	1	KZ-0577-17-28	1/2 SF	& 3/4 SF	ZA10	1	KZ-0577-10	BLANK	& BLANK
YE20	1	KZ-0577-20-28	1/2 SF	& 3/4 SF	ZA12	1	KZ-0577-12	BLANK	& BLANK
YE22	1	KZ-0577-22-28	1/2 SF	& 3/4 SF	ZA15	1	KZ-0577-15	BLANK	& BLANK
YE25	1	KZ-0577-25-28	1/2 SF	& 3/4 SF	ZA17	1	KZ-0577-17	BLANK	& BLANK
YE30	1	KZ-0577-30-28	1/2 SF	& 3/4 SF	ZA20	1	KZ-0577-20	BLANK	& BLANK
YO07	1	KZ-0577-07-28	3/4 SF	& 1/2 SF	ZA22	1	KZ-0577-22	BLANK	& BLANK
YO10	1	KZ-0577-10-28	3/4 SF	& 1/2 SF	ZA25	1	KZ-0577-25	BLANK	& BLANK
YO12	1	KZ-0577-12-28	3/4 SF	& 1/2 SF	ZA30	1	KZ-0577-30	BLANK	& BLANK
YO15	1	KZ-0577-15-28	3/4 SF	& 1/2 SF	ZE07	1	KZ-0577-07-1	BLANK	& 3/4 NPT
YO17	1	KZ-0577-17-28	3/4 SF	& 1/2 SF	ZE10	1	KZ-0577-10-1	BLANK	& 3/4 NPT
YO20	1	KZ-0577-20-28	3/4 SF	& 1/2 SF	ZE12	1	KZ-0577-12-1	BLANK	& 3/4 NPT
YO22	1	KZ-0577-22-28	3/4 SF	& 1/2 SF	ZE15	1	KZ-0577-15-1	BLANK	& 3/4 NPT
YO25	1	KZ-0577-25-28	3/4 SF	& 1/2 SF	ZE17	1	KZ-0577-17-1	BLANK	& 3/4 NPT
YO30	1	KZ-0577-30-28	3/4 SF	& 1/2 SF	ZG10	1	KZ-0577-10-4	BLANK	& 1 NPT
YQ07	1	KZ-0577-07-30	3/4 SF	& 3/4 SF	ZG12	1	KZ-0577-12-4	BLANK	& 1 NPT
YQ10	1	KZ-0577-10-30	3/4 SF	& 3/4 SF	ZG15	1	KZ-0577-15-4	BLANK	& 1 NPT
YQ12	1	KZ-0577-12-30	3/4 SF	& 3/4 SF	ZG17	1	KZ-0577-17-4	BLANK	& 1 NPT
YQ15	1	KZ-0577-15-30	3/4 SF	& 3/4 SF	ZG20	1	KZ-0577-20-4	BLANK	& 1 NPT
YQ17	1	KZ-0577-17-30	3/4 SF	& 3/4 SF	ZG22	1	KZ-0577-22-4	BLANK	& 1 NPT
YQ20	1	KZ-0577-20-30	3/4 SF	& 3/4 SF	ZG25	1	KZ-0577-25-4	BLANK	& 1 NPT
YQ22	1	KZ-0577-22-30	3/4 SF	& 3/4 SF	ZG30	1	KZ-0577-30-4	BLANK	& 1 NPT
YQ25	1	KZ-0577-25-30	3/4 SF	& 3/4 SF	ZI15	1	KZ-0577-15-7	BLANK	& 1 1/4 NPT
YQ30	1	KZ-0577-30-30	3/4 SF	& 3/4 SF	ZI17	1	KZ-0577-17-7	BLANK	& 1 1/4 NPT
YS10	1	KZ-0577-10-31	3/4 SF	& 1 SF	ZI20	1	KZ-0577-20-7	BLANK	& 1 1/4 NPT
YS12	1	KZ-0577-12-31	3/4 SF	& 1 SF	ZI22	1	KZ-0577-22-7	BLANK	& 1 1/4 NPT
YS15	1	KZ-0577-15-31	3/4 SF	& 1 SF	ZI25	1	KZ-0577-25-7	BLANK	& 1 1/4 NPT
YS17	1	KZ-0577-17-31	3/4 SF	& 1 SF	ZI30	1	KZ-0577-30-7	BLANK	& 1 1/4 NPT

PERMCO MODEL: 3700**Housings**

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	
ZJ20	1	KZ-0577-20-17	BLANK	& 1 1/2 NPT
ZJ22	1	KZ-0577-22-17	BLANK	& 1 1/2 NPT
ZJ25	1	KZ-0577-25-17	BLANK	& 1 1/2 NPT
ZJ30	1	KZ-0577-30-17	BLANK	& 1 1/2 NPT
ZQ07	1	KZ-0577-07-1	3/4 NPT	& BLANK
ZQ10	1	KZ-0577-10-1	3/4 NPT	& BLANK
ZQ12	1	KZ-0577-12-1	3/4 NPT	& BLANK
ZQ15	1	KZ-0577-15-1	3/4 NPT	& BLANK
ZQ17	1	KZ-0577-17-1	3/4 NPT	& BLANK
ZS10	1	KZ-0577-10-4	1 NPT	& BLANK
ZS12	1	KZ-0577-12-4	1 NPT	& BLANK
ZS15	1	KZ-0577-15-4	1 NPT	& BLANK
ZS17	1	KZ-0577-17-4	1 NPT	& BLANK
ZS20	1	KZ-0577-20-4	1 NPT	& BLANK
ZS22	1	KZ-0577-22-4	1 NPT	& BLANK
ZS25	1	KZ-0577-25-4	1 NPT	& BLANK
ZS30	1	KZ-0577-30-4	1 NPT	& BLANK
ZU15	1	KZ-0577-15-7	1 1/4 NPT	& BLANK
ZU17	1	KZ-0577-17-7	1 1/4 NPT	& BLANK
ZU20	1	KZ-0577-20-7	1 1/4 NPT	& BLANK
ZU22	1	KZ-0577-22-7	1 1/4 NPT	& BLANK
ZU25	1	KZ-0577-25-7	1 1/4 NPT	& BLANK
ZU30	1	KZ-0577-30-7	1 1/4 NPT	& BLANK
ZV20	1	KZ-0577-20-17	1 1/2 NPT	& BLANK
ZV22	1	KZ-0577-22-17	1 1/2 NPT	& BLANK
ZV25	1	KZ-0577-25-17	1 1/2 NPT	& BLANK
ZV30	1	KZ-0577-30-17	1 1/2 NPT	& BLANK

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HOUSING SMALL PARTS

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
	2	TA-2995-249	SQUARE GASKET SEAL
	2	W-0947-TC	TEFLON THRUST PLATE

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Gear and Shaft Combinations

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
02	* 1	IZ-0996L-02	1/4 GEAR SET
05	1	IZ-0996L-05	1/2 GEAR SET
07	1	IZ-0996L-07	3/4 GEAR SET
10	1	IZ-0996L-10	1 GEAR SET
12	1	IZ-0996L-12	1 1/4 GEAR SET
15	1	IZ-0996L-15	1 1/2 GEAR SET
17	1	IZ-0996L-17	1 3/4 GEAR SET
20	1	IZ-0996L-20	2 GEAR SET
22	1	IZ-0996L-22	2 1/4 GEAR SET
25	1	IZ-0996L-25	2 1/2 GEAR SET
30	1	IZ-0996L-30	3 GEAR SET

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DRIVE SHAFTS OR GEAR/SHAFTS

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
00	1	CC-0023	3700 SHAFT KEYED 1-1/4 DIA	81	* 1	DW-0023	
09	1	CF-0023	3700 SHAFT 6 TOOTH 1-1/8 DIA	86	* 1	AW-0023-3	
1	1	BC-0023	3700 SHAFT KEYED 1-1/8 DIA	88	* 1	AW-0023-XL	TYPE I 14T MT SPLINE SAE'C'
13	* 1	BF-0023	KEYED SHAFT OBSOLETE				
14	1	BK-0023	3700 SHAFT 13 TOOTH 7/8 DIA				
15	* 1	BL-0023	KEYED SHAFT OBSOLETE				
16	* 1	BM-0023	3700 SHAFT 1-1/4 DIA				
17	* 1	CG-0023	KEYED SHAFT OBSOLETE				
18	* 1	CB-0023	KEYED SHAFT OBSOLETE				
19	* 1	BJ-0023	3700 SHAFT KEYED .984 DIA.				
2	1	BD-0023	3700 SHAFT 6 TOOTH 1-1/8 DIA				
20	* 1	CE-0023	3700 SHAFT 6 TOOTH 1-1/4 DIA				
22	* 1	BX-0023	TYPE I SHAFT KEYED				
24	1	BI-0023	OBSOLETE USE CC-0023 CODE 00				
25	* 1	CD-0023	OBSOLETE				
26	* 1	CI-0023	TYPE I 8 TOOTH PTO				
29	* 1	BO-0023	KEYED SHAFT OBSOLETE				
3	* 1	CM-0023	3700 SHAFT 1-1/16 DIA				
30	* 1	VZ-0022					
4	* 1	CA-0023	KEYED SHAFT OBSOLETE				
43	* 1	CO-0023					
5	* 1	BE-0023	TYPE I 6T PTO/ALT. USE CODE 09				
6	1	AW-0023	3700 SHAFT 14 TOOTH 1-1/4 DIA				
61	* 1	BC-0023-1					
62	* 1	CX-0023-1	3700 SHAFT KEYED 1-1/4 DIA				
63	* 1	DI-0023					
64	* 1	DF-0023	3700 SHFT 14T 1-1/4 DIA				
66	* 1	DK-0023					
67	* 1	DQ-0023					
68	* 1	DL-0023	TYPE III SPECIAL KEYED				
7	1	BG-0023	3700 SHAFT KEYED 1-1/4 DIA				
70	* 1	DM-0023					
73	* 1	DR-0023	TYPE III KEYED				
74	* 1	AW-0023-1	TYPE I 14T SPLINE				
75	1	CV-0023	TYPE I KEYED/ALT. USE CODE 1				
76	* 1	DS-0023	KEYED SHAFT OBSOLETE				
77	* 1	DU-0023					
78	* 1	DT-0023					
8	* 1	CJ-0023	TYPE I KEYED				
80	* 1	DV-0023	TYPE III KEYED				

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DRIVE SHAFT SMALL PARTS

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
00	1	W09-27	5/16 X 15/32 X 1-1/2 KEY	7	1	W09-01	1/4 X 3/8 X 1-3/4 KEY
09	1	W86-112	3700 SNAP RING	70	1	W86-112	3700 SNAP RING
				70	1	ZA-0558-1	3700 BEARING SPACER
1	1	W09-01	1/4 X 3/8 X 1-3/4 KEY	73	1	W09-01	1/4 X 3/8 X 1-3/4 KEY
13	* 1	W09-39	KEY	73	1	W86-112	3700 SNAP RING
				73	1	ZA-0558-1	3700 BEARING SPACER
15	1	W09-38	1/4 X 3/8 X 7/8 KEY	75	1	W09-01	1/4 X 3/8 X 1-3/4 KEY
16	1	W09-27	5/16 X 15/32 X 1-1/2 KEY	76	1	W09-01	1/4 X 3/8 X 1-3/4 KEY
16	1	W24-15	2500 3700 SLOTTED NUT	76	1	W86-112	3700 SNAP RING
16	1	W8-07	2500 COTTER 1.875	76	1	ZA-0558-1	3700 BEARING SPACER
17	1	W09-37	1/4 X 1/4 X 3/4 KEY	78	1	W86-112	3700 SNAP RING
				78	1	ZA-0558-1	3700 BEARING SPACER
18	1	W09-43	5/16 X 5/16 X 1 KEY	8	1	W09-02	1/4 X 3/8 X 1-1/4 KEY
19	1	W09-02	1/4 X 3/8 X 1-1/4 KEY	80	1	W09-46	3700 KEY
22	1	W09-24	5/16 X 15/32 X 2-1/2 KEY	80	1	W86-112	3700 SNAP RING
24	1	W09-27	5/16 X 15/32 X 1-1/2 KEY	80	1	ZA-0558-1	3700 BEARING SPACER
26	1	W86-112	3700 SNAP RING				
26	1	ZA-0558-1	3700 BEARING SPACER				
29	1	W09-06	1/4 X 3/8 X 1 KEY				
3	1	W020-5	3700 LOCKWASHER				
3	1	W029-5	3700 LOCKNUT				
3	1	W09-01	1/4 X 3/8 X 1-3/4 KEY				
4	1	W09-19	3/16 X 9/32 X 1-1/4 KEY				
61	1	W09-01	1/4 X 3/8 X 1-3/4 KEY				
62	1	W09-44	5/16 X 15/32 X 2-1/4 KEY				
62	1	W86-112	3700 SNAP RING				
62	1	ZA-0558-1	3700 BEARING SPACER				
66	1	W86-112	3700 SNAP RING				
66	1	ZA-0558-1	3700 BEARING SPACER				
68	1	W09-29	1/4 X 1/4 X 2 KEY				
68	1	W86-112	3700 SNAP RING				
68	1	ZA-0558-1	3700 BEARING SPACER				

PERMCO MODEL: 3700

Bearing Carriers

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
A	1	IZ-0576	BLANK & BLANK	CB	1	IZ-0576-4-6	1 NPT-B & 1 1/4 NPT-T
AA	1	IZ-0576-2-6	1 NPT-T & 1 1/4 NPT-T	CC	1	IZ-0576-4-107	1 1/4 NPT-B & T
AB	1	IZ-0576-2-7	T & 1 1/4 NPT-T	CE	1	IZ-0576-4-8	1 1/4 NPT-B & 1 1/4 NPT-T
AC	1	IZ-0576-2-7	1 1/4 NPT-T & T	CF	1	IZ-0576-5-2	3/4 NPT-B & 3/4 NPT-B
AE	1	IZ-0576-2-8	1 1/4 NPT-T & 1 1/4 NPT-T	CG	1	IZ-0576-5-5	1 NPT-B & 1 NPT-B
AF	1	IZ-0576-3-101	T & 3/4 NPT-B	CI	1	IZ-0576-5-8	1 1/4 NPT-B & 1 1/4 NPT-B
AG	1	IZ-0576-3-2	3/4 NPT-T & 3/4 NPT-B	CJ	1	IZ-0576-5-2	3/4 NPT-F & 3/4 NPT-F
AI	1	IZ-0576-3-3	1 NPT-T & 3/4 NPT-B	CK	1	IZ-0576-5-5	1 NPT-F & 1 NPT-F
AK	1	IZ-0576-3-104	T & 1 NPT-B	CL	1	IZ-0576-5-8	1 1/4 NPT-F & 1 1/4 NPT-F
AL	1	IZ-0576-3-5	1 NPT-T & 1 NPT-B	CM	1	IZ-0576-7-2	3/4 NPT-F & 3/4 NPT-B
AM	1	IZ-0576-3-6	1 1/4 NPT-T & 1 NPT-B	CO	1	IZ-0576-7-5	1 NPT-F & 1 NPT-B
AO	1	IZ-0576-3-106	1 NPT-T & 1 1/4 NPT-B	CP	1	IZ-0576-7-8	1 1/4 NPT-F & 1 1/4 NPT-B
AQ	1	IZ-0576-3-8	1 1/4 NPT-T & 1 1/4 NPT-B	CQ	1	IZ-0576-6-2	3/4 NPT-B & 3/4 NPT-F
AR	1	IZ-0576-3-101	3/4 NPT-F & T	CR	1	IZ-0576-6-5	1 NPT-B & 1 NPT-F
AS	1	IZ-0576-3-2	3/4 NPT-F & 3/4 NPT-T	CS	1	IZ-0576-6-8	1 1/4 NPT-B & 1 1/4 NPT-F
AV	1	IZ-0576-3-3	3/4 NPT-F & 1 NPT-T	CU	1	IZ-0576-9-101	BLANK & 3/4 NPT-F
AW	1	IZ-0576-3-104	1 NPT-F & T	CV	1	IZ-0576-9-104	BLANK & 1 NPT-F
AY	1	IZ-0576-3-5	1 NPT-F & 1 NPT-T	CW	1	IZ-0576-9-107	BLANK & 1 1/4 NPT-F
B	1	IZ-0576-1	T & BLANK	CY	1	IZ-0576-9-101	3/4 NPT-B & BLANK
BA	1	IZ-0576-3-106	1 1/4 NPT-F & 1 NPT-T	E	1	IZ-0576-1-4	1 NPT-T & BLANK
BB	1	IZ-0576-3-6	1 NPT-F & 1 1/4 NPT-T	EA	1	IZ-0576-9-104	1 NPT-B & BLANK
BC	1	IZ-0576-3-107	1 1/4 NPT-F & T	EB	1	IZ-0576-9-107	1 1/4 NPT-B & BLANK
BE	1	IZ-0576-3-8	1 1/4 NPT-F & 1 1/4 NPT-T	EC	1	IZ-0576-8-1	BLANK & 3/4 NPT-B
BF	1	IZ-0576-4-101	T & 3/4 NPT-F	EE	1	IZ-0576-8-4	BLANK & 1 NPT-B
BG	1	IZ-0576-4-2	3/4 NPT-T & 3/4 NPT-F	EF	1	IZ-0576-8-7	BLANK & 1 1/4 NPT-B
BI	1	IZ-0576-4-3	1 NPT-T & 3/4 NPT-F	EG	1	IZ-0576-8-1	3/4 NPT-F & BLANK
BJ	1	IZ-0576-4-103	3/4 NPT-T & 1 NPT-F	EI	1	IZ-0576-8-4	1 NPT-F & BLANK
BK	1	IZ-0576-4-104	T & 1 NPT-F	EJ	1	IZ-0576-8-7	1 1/4 NPT-F & BLANK
BL	1	IZ-0576-4-5	1 NPT-T & 1 NPT-F	EK	1	IZ-0576-1-29	3/4 SF-T & BLANK
BM	1	IZ-0576-4-6	1 1/4 NPT-T & 1 NPT-F	EL	1	IZ-0576-1-32	1 SF-T & BLANK
BO	1	IZ-0576-4-106	1 NPT-T & 1 1/4 NPT-F	EM	1	IZ-0576-1-35	1 1/4 SF-T & BLANK
BQ	1	IZ-0576-4-8	1 1/4 NPT-T & 1 1/4 NPT-F	EO	1	IZ-0576-1-39	1 1/2 SF-T & BLANK
BR	1	IZ-0576-4-101	3/4 NPT-T & T	EP	1	IZ-0576-1-29	BLANK & 3/4 SF-T
BS	1	IZ-0576-4-2	3/4 NPT-T & 3/4 NPT-T	EQ	1	IZ-0576-1-32	BLANK & 1 SF-T
BU	1	IZ-0576-4-103	1 NPT-T & 3/4 NPT-T	ER	1	IZ-0576-1-35	BLANK & 1 1/4 SF-T
BV	1	IZ-0576-4-3	3/4 NPT-B & 1 NPT-T	ES	1	IZ-0576-1-39	BLANK & 1 1/2 SF-T
BW	1	IZ-0576-4-104	1 NPT-B & T	EY	1	IZ-0576-2-31	1 SF-T & 3/4 SF-T
BY	1	IZ-0576-4-5	1 NPT-B & 1 NPT-T	F	1	IZ-0576-1-7	1 1/4 NPT-T & BLANK
C	1	IZ-0576-1-1	3/4 NPT-T & BLANK	FA	1	IZ-0576-2-31	3/4 SF-T & 1 SF-T
CA	1	IZ-0576-4-106	1 1/4 NPT-B & 1 NPT-T	FB	1	IZ-0576-2-32	T & 1 SF-T

PERMCO MODEL: 3700

Bearing Carriers

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
FE	1	IZ-0576-2-33	1 SF-T & 1 SF-T	KC	1	IZ-0576-4-134	1 1/4 SF-B & 1 SF-T
FF	1	IZ-0576-2-34	1 1/4 SF-T & 1 SF-T	KE	1	IZ-0576-4-34	1 SF-B & 1 1/4 SF-T
FG	1	IZ-0576-2-34	1 SF-T & 1 1/4 SF-T	KF	1	IZ-0576-4-135	1 1/4 SF-B & T
FI	1	IZ-0576-2-35	T & 1 1/4 SF-T	KI	1	IZ-0576-4-138	1 1/2 SF-B & 1 1/4 SF-T
FJ	1	IZ-0576-2-35	1 1/4 SF-T & T	KJ	1	IZ-0576-4-38	1 1/4 SF-B & 1 1/2 SF-T
FK	1	IZ-0576-2-36	1 1/4 SF-T & 1 1/4 SF-T	KL	1	IZ-0576-4-40	1 1/2 SF-B & 1 1/2 SF-T
FQ	1	IZ-0576-2-40	1 1/2 SF-T & 1 1/2 SF-T	KM	1	IZ-0576-5-30	3/4 SF-B & 3/4 SF-B
FS	1	IZ-0576-3-30	3/4 SF-T & 3/4 SF-B	KO	1	IZ-0576-5-33	1 SF-B & 1 SF-B
FU	1	IZ-0576-3-31	1 SF-T & 3/4 SF-B	KP	1	IZ-0576-5-36	1 1/4 SF-B & 1 1/4 SF-B
G	1	LZ-0576-1	BLANK & T	KQ	1	IZ-0576-5-40	1 1/2 SF-B & 1 1/2 SF-B
GA	1	IZ-0576-3-34	1 1/4 SF-T & 1 SF-B	KS	1	IZ-0576-5-33	1 SF-F & 1 SF-F
GB	1	IZ-0576-3-134	1 SF-T & 1 1/4 SF-B	KU	1	IZ-0576-5-36	1 1/4 SF-F & 1 1/4 SF-F
GE	1	IZ-0576-3-36	1 1/4 SF-T & 1 1/4 SF-B	KY	1	IZ-0576-7-33	1 SF-F & 1 SF-B
GF	1	IZ-0576-3-38	1 1/2 SF-T & 1 1/4 SF-B	L	1	LZ-0576-2	T & T
GG	1	IZ-0576-3-138	1 1/4 SF-T & 1 1/2 SF-B	LA	1	IZ-0576-7-36	1 1/4 SF-F & 1 1/4 SF-B
GJ	1	IZ-0576-3-40	1 1/2 SF-T & 1 1/2 SF-B	LB	1	IZ-0576-7-40	1 1/2 SF-F & 1 1/2 SF-B
GO	1	IZ-0576-3-31	3/4 SF-F & 1 SF-T	LE	1	IZ-0576-6-33	1 SF-B & 1 SF-F
GP	1	IZ-0576-3-132	1 SF-F & T	LI	1	IZ-0576-9-129	BLANK & 3/4 SF-F
GS	1	IZ-0576-3-34	1 SF-F & 1 1/4 SF-T	LJ	1	IZ-0576-9-132	BLANK & 1 SF-F
GV	1	IZ-0576-3-36	1 1/4 SF-F & 1 1/4 SF-T	LK	1	IZ-0576-9-135	BLANK & 1 1/4 SF-F
I	1	IZ-0576-1-1	BLANK & 3/4 NPT-T	LM	1	IZ-0576-9-129	3/4 SF-B & BLANK
J	1	IZ-0576-1-4	BLANK & 1 NPT-T	LO	1	IZ-0576-9-132	1 SF-B & BLANK
JB	1	IZ-0576-3-40	1 1/2 SF-F & 1 1/2 SF-T	LQ	1	IZ-0576-9-139	1 1/2 SF-B & BLANK
JC	1	IZ-0576-4-129	T & 3/4 SF-F	LS	1	IZ-0576-8-32	BLANK & 1 SF-B
JE	1	IZ-0576-4-30	3/4 SF-T & 3/4 SF-F	LU	1	IZ-0576-8-35	BLANK & 1 1/4 SF-B
JF	1	IZ-0576-4-31	1 SF-T & 3/4 SF-F	LV	1	IZ-0576-8-39	BLANK & 1 1/2 SF-B
JG	1	IZ-0576-4-131	3/4 SF-T & 1 SF-F	LY	1	IZ-0576-8-32	1 SF-F & BLANK
JI	1	IZ-0576-4-132	T & 1 SF-F	M	1	IZ-0576-2-1	T & 3/4 NPT-T
JK	1	IZ-0576-4-34	1 1/4 SF-T & 1 SF-F	MA	1	IZ-0576-8-35	1 1/4 SF-F & BLANK
JL	1	IZ-0576-4-134	1 SF-T & 1 1/4 SF-F	MB	1	IZ-0576-8-39	1 1/2 SF-F & BLANK
JM	1	IZ-0576-4-135	T & 1 1/4 SF-F	MC	1	IZ-0576-1-57	3/4 ORB-T & BLANK
JP	1	IZ-0576-4-38	1 1/2 SF-T & 1 1/4 SF-F	ME	1	IZ-0576-1-63	1 ORB-T & BLANK
JR	1	IZ-0576-4-130	T & 1 1/2 SF-F	MF	1	IZ-0576-1-66	1 1/4 ORB-T & BLANK
JS	1	IZ-0576-4-40	1 1/2 SF-T & 1 1/2 SF-F	MI	1	IZ-0576-1-63	BLANK & 1 ORB-T
JU	1	IZ-0576-4-129	3/4 SF-B & T	MJ	1	IZ-0576-1-66	BLANK & 1 1/4 ORB-T
JV	1	IZ-0576-4-30	3/4 SF-B & 3/4 SF-T	MK	1	IZ-0576-2-57	T & 3/4 ORB-T
JY	1	IZ-0576-4-31	3/4 SF-B & 1 SF-T	MQ	1	IZ-0576-2-64	1 ORB-T & 1 ORB-T
K	1	IZ-0576-1-7	BLANK & 1 1/4 NPT-T	MR	1	IZ-0576-2-66	T & 1 1/4 ORB-T
KA	1	IZ-0576-4-132	1 SF-B & T	MS	1	IZ-0576-2-66	1 1/4 ORB-T & T
KB	1	IZ-0576-4-33	1 SF-B & 1 SF-T	MU	1	IZ-0576-2-67	1 1/4 ORB-T & 1 1/4 ORB-T

PERMCO MODEL: 3700

Bearing Carriers

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>	
MV	1	IZ-0576-3-157	T	& 3/4 ORB-B	SP	1	IZ-0576-2-13	1 1/2 NPT-T & 1 1/2 NPT-T
MW	1	IZ-0576-3-58	3/4 ORB-T	& 3/4 ORB-B	SQ	1	IZ-0576-3-10	3/4 NPT-F & 1 1/4 NPT-T
O	1	IZ-0576-2-1	3/4 NPT-T	& T	SU	1	IZ-0576-3-11	1 NPT-F & 1 1/2 NPT-T
OA	1	IZ-0576-3-64	1 ORB-T	& 1 ORB-B	SV	1	IZ-0576-4-44	1 1/2 SF-T & 1 SF-F
OB	1	IZ-0576-3-166	T	& 1 1/4 ORB-B	SW	1	IZ-0576-3-44	3/4 SF-F & 1 1/4 SF-T
OC	1	IZ-0576-3-67	1 1/4 ORB-T	& 1 1/4 ORB-B	U	1	IZ-0576-2-4	1 NPT-T & T
OE	1	IZ-0576-3-157	3/4 ORB-F	& T	V	1	IZ-0576-2-5	1 NPT-T & 1 NPT-T
OG	1	IZ-0576-3-163	1 ORB-F	& T	W	1	IZ-0576-2-6	1 1/4 NPT-T & 1 NPT-T
OI	1	IZ-0576-3-64	1 ORB-F	& 1 ORB-T	WA	1	IZ-0576-3-10	1 1/4 NPT-T & 3/4 NPT-B
OK	1	IZ-0576-3-67	1 1/4 ORB-F	& 1 1/4 ORB-T	WF	1	IZ-0576-4-10	1 1/4 NPT-T & 3/4 NPT-F
OO	1	IZ-0576-4-163	T	& 1 ORB-F	WG	1	IZ-0576-3-20	1 1/2 NPT-T & 3/4 NPT-B
OP	1	IZ-0576-4-64	1 ORB-T	& 1 ORB-F	WI	1	IZ-0576-4-49	3/4 SF-B & 1 1/2 SF-T
OS	1	IZ-0576-4-157	3/4 ORB-B	& T	WR	1	IZ-0576-3-11	1 1/2 NPT-T & 1 NPT-B
OV	1	IZ-0576-4-163	1 ORB-B	& T	WS	1	IZ-0576-4-11	1 NPT-B & 1 1/2 NPT-T
OW	1	IZ-0576-4-64	1 ORB-B	& 1 ORB-T	WU	1	IZ-0576-3-44	1 1/2 SF-T & 1 SF-B
OY	1	IZ-0576-4-166	1 1/4 ORB-B	& T	WV	1	IZ-0576-4-44	1 SF-B & 1 1/2 SF-T
P	1	IZ-0576-2-2	3/4 NPT-T	& 3/4 NPT-T				
PC	1	IZ-0576-5-64	1 ORB-B	& 1 ORB-B				
PE	1	IZ-0576-5-67	1 1/4 ORB-B	& 1 1/4 ORB-B				
PG	1	IZ-0576-5-64	1 ORB-F	& 1 ORB-F				
PI	1	IZ-0576-5-67	1 1/4 ORB-F	& 1 1/4 ORB-F				
PJ	1	IZ-0576-7-58	3/4 ORB-F	& 3/4 ORB-B				
PK	1	IZ-0576-7-64	1 ORB-F	& 1 ORB-B				
PO	1	IZ-0576-6-64	1 ORB-B	& 1 ORB-F				
PP	1	IZ-0576-6-67	1 1/4 ORB-B	& 1 1/4 ORB-F				
PQ	1	IZ-0576-9-157	BLANK	& 3/4 ORB-F				
PR	1	IZ-0576-9-163	BLANK	& 1 ORB-F				
PS	1	IZ-0576-9-166	BLANK	& 1 1/4 ORB-F				
PV	1	IZ-0576-9-163	1 ORB-B	& BLANK				
PW	1	IZ-0576-9-166	1 1/4 ORB-B	& BLANK				
Q	1	IZ-0576-2-3	1 NPT-T	& 3/4 NPT-T				
R	1	IZ-0576-2-3	3/4 NPT-T	& 1 NPT-T				
S	1	IZ-0576-2-4	T	& 1 NPT-T				
SA	1	IZ-0576-8-63	BLANK	& 1 ORB-B				
SB	1	IZ-0576-8-66	BLANK	& 1 1/4 ORB-B				
SC	1	IZ-0576-8-57	3/4 ORB-F	& BLANK				
SE	1	IZ-0576-8-63	1 ORB-F	& BLANK				
SF	1	IZ-0576-8-66	1 1/4 ORB-F	& BLANK				
SI	1	IZ-0576-1-17	BLANK	& 1 1/2 NPT-T				
SK	1	IZ-0576-1-17	1 1/2 NPT-T	& BLANK				

PERMCO MODEL: 3700

BEARING CARRIER SMALL PARTS

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>D E S C R I P T I O N</u>
	4	Q-0921	CROWNED ROLLER BRNG
	2	W004-19	ROLL PIN
	2	ZV-1909	SHAFT BUSHING

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Gear and Connecting Shafts

<u>CODE</u>	<u>QTY</u>	<u>PART NUMBER</u>
1	1	RZ-0022

<u>D E S C R I P T I O N</u>
CONNECTING SHAFT

PLASTIC PLUGS

NPT & BSPP

Port size	Part#
1/8"	#8
1/4"	#11
3/8"	#17
1/2"	#23
3/4"	#30
1"	#42
1-1/4"	#53
1-1/2"	#57
2"	#68
2-1/2"	#78

ORB

1/2"	#23
3/8"	#17
5/8"	#27
3/4"	#35
7/8"	#42
1"	#44
1-1/4"	#53
1-1/2"	#57

SF & metric SF

1/2"	#12
3/4"	B-831-213
1"	B-831-214
1-1/4"	B-831-215
1-1/2"	B-831-216
2"	B-831-217
2-1/2"	B-831-218

FASTENERS FOR SINGLE UNITS

Gear Size	Part #	Bolt Length	Qty.
1/2"	W1-83	4"	8
3/4"	W1-68	5"	8
1"	W1-68	5"	8
1-1/4"	W1-090	5-1/2"	8
1-1/2"	W1-090	5-1/2"	8
1-3/4"	W1-15	6"	8
2"	W1-099	6-1/2"	8
2-1/4"	W1-099	6-1/2"	8
2-1/2"	W1-76	7"	8
23/4"	W1-76	7"	8
3"	W1-75	7-1/2"	8

Washer #	W033-1	8
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Shaft Protectors

SP-1000-1	.656"Dia
SP-1000-2	.587"Dia
SP-1000-3	1"Dia
SP-1000-4	1-1/4" Splined & 1-1/8"Dia
SP-1000-5	1-1/4" Dia Keyed
SP-1000-6	1/2"Dia
SP-1000-7	5/8"Dia
SP-1000-8	3/4"Dia
SP-1000-8	7/8"Dia

Shaft Protector for extended stud

SP-1000-6	2
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FASTENERS FOR DOUBLE UNITS

	Flush	Extended
Dual Section	8.88	10.88
Triple Section	12.88	14.88
Quad Section	16.88	15

***Add total gear width + above dimension to obtain stud length.

Washer #	W033-1	8
Nut #	W3-40	8

Stud #	Description
ZE -0391-10	1/2-13 x 10"
ZE -0391-12	1/2-13 x 12"
ZE -0391-14	1/2-13 x 14"
ZE -0391-16	1/2-13 x 16"
ZE -0391-20	1/2-13 x 20"
ZE -0391-24	1/2-13 x 24"
ZE-0391-28	1/2-13 x 28"