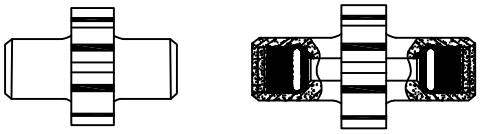
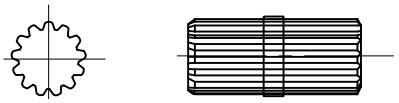
IFP IP3150/IP3300/IP3500/IP3650
MATCHED GEARS / CONNECTING SHAFTS

MATCHED GEAR SET

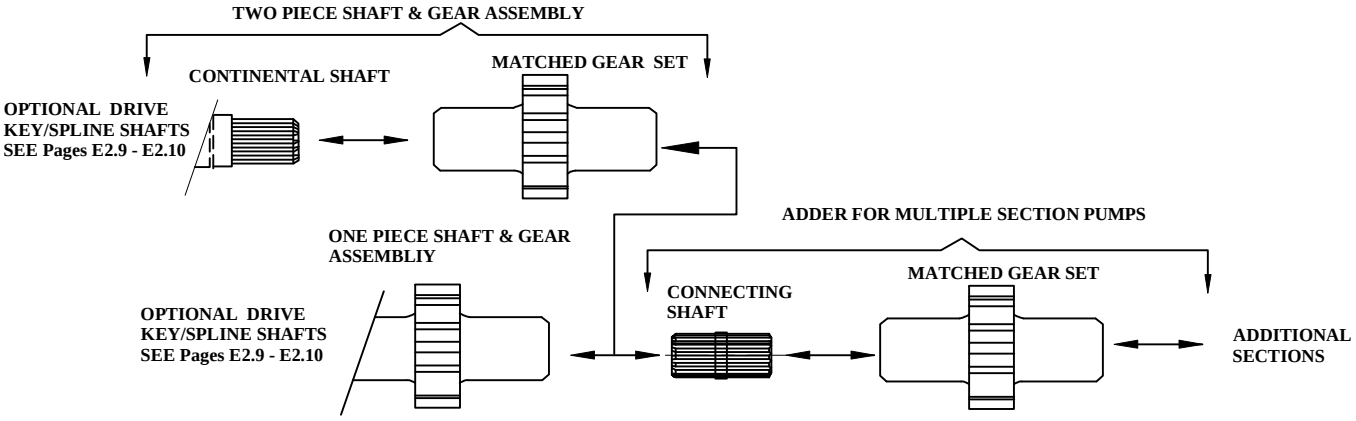


GEAR WIDTH CODE	GEAR WIDTH INCHES	IP3150 SHAFT & GEAR PART NUMBER	IP3300 SHAFT & GEAR PART NUMBER	IP3500 SHAFT & GEAR PART NUMBER	IP3650 SHAFT & GEAR PART NUMBER
05	½ "	326-2805-000N	324-2805-000N	//	//
07	¾ "	326-2807-000N	324-2807-000N	323-2807-000N	322-2807-000N
10	1"	326-2810-000N	324-2810-000N	323-2810-000N	322-2810-000N
12	1¼ "	326-2812-000N	324-2812-000N	323-2812-000N	322-2812-000N
15	1½ "	326-2815-000N	324-2815-000N	323-2815-000N	322-2815-000N
17	1¾ "	326-2817-000N	324-2817-000N	323-2817-000N	322-2817-000N
20	2"	326-2820-000N	324-2820-000N	323-2820-000N	322-2820-000N
22	2¼ "			323-2822-000N	322-2822-000N
25	2½ "			323-2825-000N	322-2825-000N

CODE 1
CONNECTING SHAFT



IP 3150 CONNECTING SHAFT	326 - 1133 - 001N
IP 3300 CONNECTING SHAFT	324 - 1133 - 001N
IP 3500 CONNECTING SHAFT	323 - 1133 - 001N
IP 3650 CONNECTING SHAFT	322 - 1133 - 001N



SHAFT & GEAR PART NUMBER NOMENCLATURE

32* - 29 - xxx N**

326-IP3150 SERIES
324-IP3300 SERIES
323-IP3500 SERIES
322-IP3650 SERIES

GEAR WIDTH CODE	GEAR WIDTH INCHES	GEAR WIDTH CODE	GEAR WIDTH INCHES
05	½ "	20	2"
07	¾ "	22	2¼ "
10	1"	25	2½ "
12	1¼ "		
15	1½ "		
17	1¾ "		

DRIVE SHAFT CODE
122 - 5/8 Ø - 9TH SPLINE
230 - 7/8 Ø - 13TH SPLINE
250 - 1 1/4 Ø - 15TH SPLINE
730 - 7/8 Ø - 1/4 KEYED
740 - 1Ø - 1/4 KEYED
750 - 1 1/4 Ø - 5/16 KEYED

MATCHED GEAR PART NUMBER NOMENCLATURE

32* - 28 - 000 N**

326-IP3150 SERIES
324-IP3300 SERIES
323-IP3500 SERIES
322-IP3650 SERIES

GEAR WIDTH CODE	GEAR WIDTH INCHES	GEAR WIDTH CODE	GEAR WIDTH INCHES
05	½ "	20	2"
07	¾ "	22	2¼ "
10	1"	25	2½ "
12	1¼ "		
15	1½ "		
17	1¾ "		

PL CHART

SHAFT STYLE	INTEGRAL SHAFT&GEAR	TWO PIECE STYLE
IP315		
SAE "A" SPLINE (up to 1.25" GW)	4,450	--
SAE "A" KEY	3,600	--
SAE "B" SPLINE	13,400	--
SAE "B" KEY	9,900	--
CONNECTING SHAFT	--	5,550
IP330		
SAE "B" SPLINE	8,450	6,250
SAE "B" KEY	6,250	6,250
SAE "B-B" SPLINE	13,000	6,250
SAE "B-B" KEY	9,300	6,250
SAE "C" SPLINE	--	6,250
SAE "C" KEY	--	6,250
CONNECTING SHAFT	--	6,250

PL CHART

SHAFT STYLE	INTEGRAL SHAFT&GEAR	TWO PIECE STYLE
IP350		
SAE "B" SPLINE	6,450	6,450
SAE "B" KEY	4,750	4,750
SAE "B-B" SPLINE	9,900	9,000
SAE "B-B" KEY	7,100	7,100
SAE "C" SPLINE	19,100	9,000
SAE "C" KEY	13,900	9,000
CONNECTING SHAFT	--	9,000
IP365		
SAE "B" SPLINE	5,050	5,050
SAE "B" KEY	3,700	3,700
SAE "B-B" SPLINE	7,750	7,750
SAE "B-B" KEY	5,550	5,550
SAE "C" SPLINE	14,900	11,950
SAE "C" KEY	10,800	11,950
CONNECTING SHAFT	--	11,950

PL FACTOR

Each section of a multiple pump or motor should be regarded as a single unit with corresponding delivery and power input requirements. Since the entire input horsepower is fed through a common drive shaft, the power delivered to or from the unit is limited by the physical strength of the shaft. This limit is defined as a "PL" factor; "P" being the operating pressure and "L" the summation of gear widths.

In multiple units the "PL" must be calculated for the first connecting shaft as well as the drive shaft. Each style or type of shaft has a unique "PL" factor as noted in the table below.

Pressure X total gear width = PL

PL must not exceed number shown in Chart for appropriate shaft