

PowerDrive STAMPED STEEL IDLER

INCH SIZES

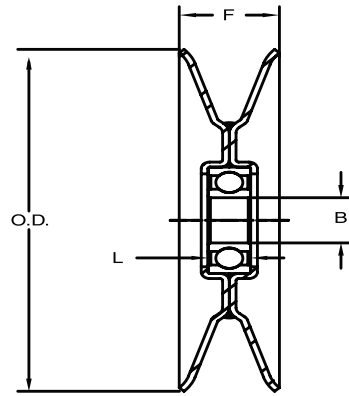
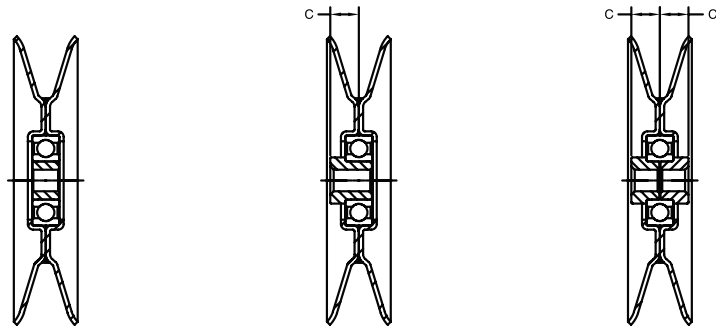


Table No.-1

PART NO.	DIMENSIONS					Weight LBS	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVERAGE LIFE AT RPM SHOWN			
	O.D.	*BELT SIZE	B	F	L		500	1000	2000	4000
SIB40	4.0	5L-B-5V	.6693/.6690(17MM)	.81	.47	0.61	617	483	375	283
SIB50	5.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.1	617	483	375	283
SIB60	6.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.42	617	483	375	283
SIB70	7.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.95	617	483	375	283

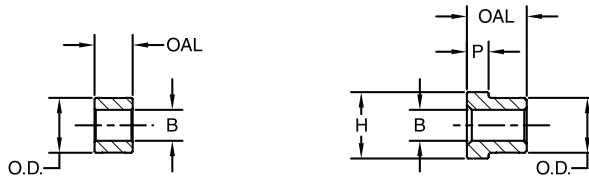
1. Bearing Bore Adaptor must be ordered separately. See Table No.-2
 * The groove will accept wrapped and notched belts.



IDLER WITH SLEEVE

IDLER WITH SHOULDER TYPE 1

IDLER WITH SHOULDER TYPE 2



SLEEVE TYPE

SHOULDER TYPE

Table No.- 2

PART NO.	DIMENSIONS						TYPE	WEIGHT LBS.
	B	C	O.D.	OAL	H	P		
IDLER BBA1	.376/.380	-	.6698(17MM)	.46	-	-	SLEEVE	0.06
IDLER BBA2	.501/.505	-	.6698(17MM)	.46	-	-	SLEEVE	0.06
IDLER BBA3	.376/.380	0.5	.6698(17MM)	.73	.81	.26	SHOULDER TYPE 1	0.06
IDLER BBA4	.501/.505	0.5	.6698(17MM)	.73	.81	.26	SHOULDER TYPE 1	0.06
IDLER BBA5	.376/380	0.5	.6698(17MM)	.49	.81	.26	SHOULDER TYPE 2	0.05
IDLER BBA6	.501/.505	0.5	.6698(17MM)	.49	.81	.26	SHOULDER TYPE 2	0.05

* Drawings are for reference only.
 * Idlers above contain sealed ball bearings.
 * Idler sheaves and bearing bore adaptors are sold separately.
 * See page 2 for factors to use for Average Life of more or less than 2500 hours.

PowerDrive STAMPED STEEL IDLER**Features and Benefits**

- Wide Range of O.D.'s: 4.0", 5.0", 6.0", 7.0"
- Bore Sizes Available in 3/8", 1/2" and 17 mm
- Special Seam Weld For Added Strength
- Sealed for Life Ball Bearing
- Available From Stock

When using idlers, take careful consideration to the following :

1. All idlers should be used on the slack side of the drive.
2. V-belt drive idlers should be used on the inside of the belt. Allowance should be made for horsepower loss due to the reduced arc of contact.
3. Where necessary to use V-belt drive idlers on the outside of the belt, the reverse bending will reduce belt life.
4. Idlers used on the inside of a drive should be located approximately 1/3 of the center distance from the large sheave.
5. Idlers used on the outside of a drive should be located approximately 1/3 of the center distance from the small sheave.

AVERAGE LIFE FACTORS

Radial Load Capacities are based on 2500 Hours Average Life. If another average life is desired, these ratings must be modified by factors as follows:

500 Hours — 1.71	4000 Hours — 0.85	9000 Hours — 0.65
1000 Hours — 1.36	5000 Hours — 0.79	10000 Hours — 0.63
1500 Hours — 1.19	6000 Hours — 0.75	15000 Hours — 0.55
2000 Hours — 1.07	7000 Hours — 0.71	20000 Hours — 0.50
3000 Hours — 0.94	8000 Hours — 0.68	