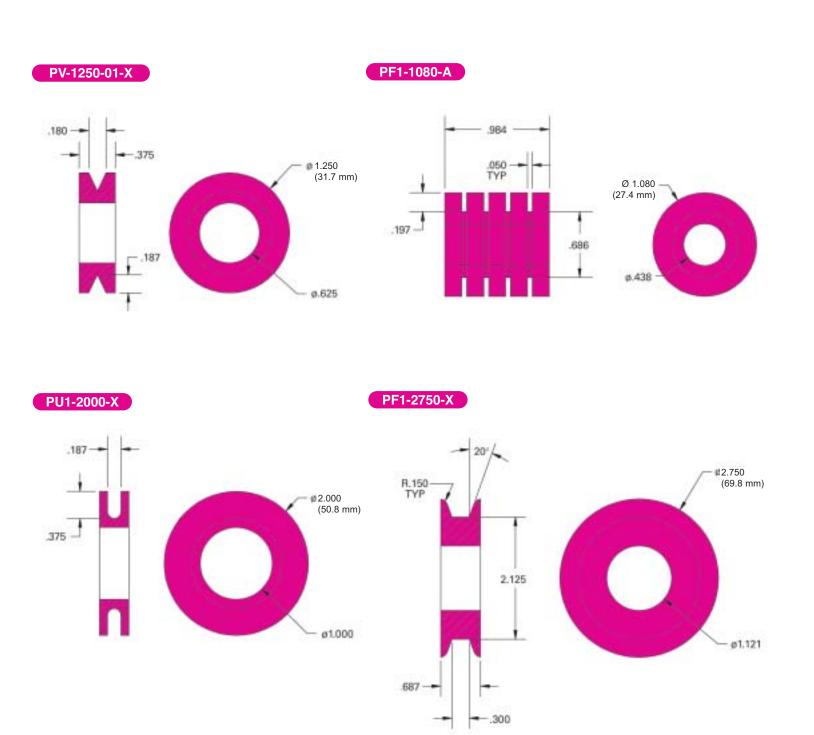
## **HEANIUM Custom Ceramic Pulleys**

Custom Heanium ceramic pulleys are listed below. These components can be provided with various bushings and bearings. Contact our **technical sales** department for assistance with custom pulleys to meet your specific requirements. For information on stock ceramic, aluminum, and phenolic pulleys, please refer to pages 42-44.

Standard tolerances on all dimensions are -.010 inch or -1.5%, whichever is greater. Diamond grind and/or hone to -.0005 inches is available. Standard finish (Ra) on all surfaces is 64 in. Polishing to 32 in (P2 Polish) or 16 in (P1 Polish) is available.

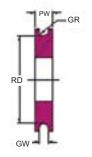


# **HEANIUM Standard Ceramic Pulleys**

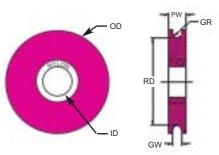
PART NUMBER	ROOT DIAME	TER	OD PULLE	Y	PULLE ID	Y	PULLEY WIDTH	(	GROO\ WIDTH	/E	<b>U-G</b> ROORADIUS	-		NYL BUSH		
													MIN	I ID	MAX	( ID
	INCHES	MM.	INCHES	MM.	INCHES	MM.	INCHES	MM.	INCHES	MM.	INCHES	MM.	INCHES	MM.	INCHES	MM.
PU/PV-625	0.375	9.5	0.625	15.9	0.250	6.4	0.281	7.1	0.187	4.7	0.094	2.4	0.062	1.6	0.100	2.5
PU/PV-1	0.750	19.0	1.000	25.4	0.500	12.7	0.375	9.5	0.250	6.4	0.125	3.2	0.100	2.5	0.312	7.9
PU/PV-1250	1.000	25.4	1.250	31.8	0.750	19.1	0.375	9.5	0.250	6.4	0.125	3.2	0.100	2.5	0.562	14.3
PU/PV-1375	1.000	25.4	1.375	34.9	0.750	19.1	0.406	10.3	0.250	6.4	0.125	3.2	0.100	2.5	0.562	14.3
PU/PV-1500	1.125	28.6	1.500	38.1	0.866	22.0	0.406	10.3	0.250	6.4	0.125	3.2	0.100	2.5	0.687	17.4
PU/PV-2	1.500	38.1	2.000	50.8	1.125	28.6	0.406	10.3	0.187	4.7	0.093	2.4	0.100	2.5	0.875	22.2
PU/PV-2500	2.000	50.8	2.500	63.5	1.125	28.6	0.437	11.1	0.250	6.4	0.125	3.2	0.100	2.5	0.875	22.2
PU/PV-3500	3.000	76.2	3.500	88.9	1.125	28.6	0.437	11.1	0.250	6.4	0.125	3.2	0.100	2.5	0.875	22.2

<sup>\*</sup> Radius applies to PU-groove pulleys only. Radius on PV-groove pulleys is less than 1/32.

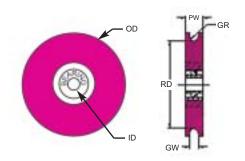
#### **Pulley Only**



### Pulley w/ nylon insert



### Pulley w/ bearing in nylon



PART NUMBER	STANDARD BEARING NO. (SEE TABLE PAGE 44)				
	GLUED IN	W/NYLON BUSHING			
PU/PV-625	* *	* *			
PU/PV-1	BRG 01, 02, 03	N/A			
PU/PV-1250	BRG 06, 07	BRG 01, 02, 03			
PU/PV-1375	BRG 06, 07	BRG 01, 02, 03			

PART NUMBER	STANDARD BEARING NO.					
	(SEE TABLE	: PAGE 44)				
	GLUED IN	W/NYLON BUSHING				
PU/PV-1500	BRG 08, 09, 10, 11	BRG 01, 02, 04				
PU/PV-2	BRG 14, 15	BRG 06, 08, 09, 10, 11, 12				
PU/PV-2500	BRG 14, 15	BRG 06, 08, 09, 10, 11, 12				
PU/PV-3500	BRG 14, 15	BRG 06, 08, 09, 10, 11, 12				

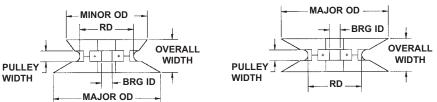
Standard tolerances on all dimensions are -.010 inches or -1.5%, whichever is greater. Diamond grind and/or hone to -.0005 inches is available. Standard finish (Ra) on all surfaces is 64 in. Polishing to 32 in (P2 Polish) or 16 in **(P1 Polish)** is available.

<sup>\*\*</sup>Miniature bearing series available.

## **HEANIUM Plastic Flange Pulleys**



Heanium pulleys are now available in a plastic anged assembly. This product offers the wear resistance of Heanium in a light-weight, true-running, high-tolerance package. The Heanium core, bearing and plastic ange are all available as individual replacement items. Custom groove con gurations are available upon request.



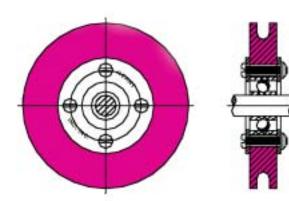
Part Number*		Major OD	Minor OD	RD	BRG ID	Pulley Width	Overall Width
PU ASSY 1780 U	GROOVE	60	45.2	30	6	6	15
PU ASSY 1780 01 (	GROOVE	45.2	N/A	30	6	6	12
PU ASSY 2362 U	GROOVE	60	N/A	30	6	6	18.4
PU ASSY 3116 U	GROOVE	98.5	79	50	10	9	23
PU ASSY 3116 01	U GROOVE	79	N/A	50	10	9	30
PU ASSY 3880 U	GROOVE	98.5	N/A	50	10	9	30

# **HEANIUM F-Series Ceramic Pulleys**

In the F series pulley, the bearing is held in place with bolt flanges for high—temperature and corrosive applications. The FF series provides a thinner pulley configuration where clearance is an issue.

FLANGED	RI	D	РО	D	Р	ID	P'	W	G	W	GI	R
BEARING PULLEYS	IN	ММ	IN	ММ	IN	ММ	IN	ММ	IN	ММ	IN	ММ
PU/PV-2-F	1.500	38.1	2.000	50.8	.866	22.0	.406	10.3	.187	4.7	.094	2.3
PU/PV-2500-F	2.000	50.8	2.500	63.5	.866	22.0	.406	10.3	.187	4.7	.094	2.3
PU/PV-3500-F	3.000	76.2	3.500	88.9	.866	22.0	.437	11.1	.250	63.5	.125	3.1
PU/PV-FF-2500	2.188	55.5	2.500	63.5	.866	22.0	.188	4.7	.080	2.0	.040	1.0

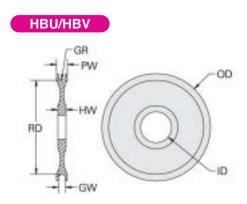
FLANGED BEARING PULLEYS	STANDARD BEARING WITH FLANGE (SEE TABLE PAGE 44)
PU/PV-2-F	BRG 08, 09, 10, 11
PU/PV-2500-F	BRG 08, 09, 10, 11
PU/PV-3500-F	BRG 08, 09, 10, 11
PU/PV-FF-2500	BRG 08, 09, 10, 11



Phone: 585 889 2700 Fax: 585 889 2708 www.heany.com

## **HEANY Standard Coated Pulleys**

Aluminum pulleys are hard-coated with thermal spray ceramic for enhanced wear resistance. A standard polish of 28 in (Ra) is provided on the groove surfaces. A high polish of 10 in is also available. Please specify a U- or V-groove on the HB series pulleys. Special designs and materials are available for wet and corrosive environments. Standard bearings are in stock; custom bearings are available upon request. Customer-supplied pulleys can also be spray coated, see pages 46-47.



PART NUMBER	ROOT DIAME	· I	PULLEY OD	PULLEY ID	PULLEY WIDTH	HUB WIDTH	GROOVE WIDTH	GROOVE RADIUS	STANDARD BEARING
ALUMINUM									
HBU/HBV-1250	-H	.937	1.250	.687	.250	.250	.125	.062	BRG-05
<b>HBU/HBV-2000</b>	-H 1	.500	2.000	.750	.406	.281	.218	.109	BRG-07
HBU/HBV-2500		.188	2.500	.687	.250	.250	.125	.062	BRG-05
<b>HBU/HBV-3500</b>	<b>-H</b> 3	.000	3.500	.750	.406	.281	.218	.109	BRG-07
<b>HBU/HBV-5000</b>	-H 4	.375	5.000	1.125	.500	.375	.312	.156	BRG 14, 15
<b>HBU/HBV-6000</b>	-H 5	.375	6.000	1.125	.500	.375	.312	.156	BRG 14, 15
HBU-9200	8	.000	9.200	2.441	.950	.950	.500	.250	BRG 16
LIGHT WEIGHT ALUMINUM	Т								
HAU-1750-H	1	.250	1.750	.906	.422	.312	.282	.141	BRG 13
HAU-3000-H	2	.500	3.000	.906	.422	.312	.274	.137	BRG 13
HAU-4250-H	3	.750	4.250	.906	.422	.312	.282	.141	BRG 13
HAU-5500-H	5	.000	5.500	.906	.422	.312	.282	.141	BRG 13

<sup>\*</sup> Radius applies to **HBU**-groove pulleys only. Radius on **HBV**-groove pulleys is less than 1/32 maximum.

## Ceramic & Coating Standard Bearing Information

BEARING NUMBER	BEARINGS ARE DOUBLE SHIELDED							
	OD	ID	WIDTH					
BRG-01	.500	.125	.172					
BRG-02	.500	.187	.193					
BRG-03	.500	.250	.187					
BRG-04	.625	.250	.196					
BRG-05	.687	.187	.250					
BRG-06	.748	.197	.235					
BRG-07	.750	.250	.281					
BRG-08	.866	.250	.275					

BEARING NUMBER	BEARINGS ARE DOUBLE SHIELDED							
	OD	ID	WIDTH					
BRG-09	.866	.275	.275					
BRG-10	.866	.312	.275					
BRG-11	.866	.315	.275					
BRG-12	.875	.375	.281					
BRG-13	.906	.312	.312					
BRG-14	1.125	.375	.375					
BRG-15	1.125	.500	.375					
BRG-16	2.438	1.180	.630					

<sup>\*\*</sup>Miniature bearing series available.