HIC International Co Inc

PH: 011 - 5547 2400, 2874 5120

UNIVERSAL

VEE BELT PULLEYS (GENERAL PURPOSE)

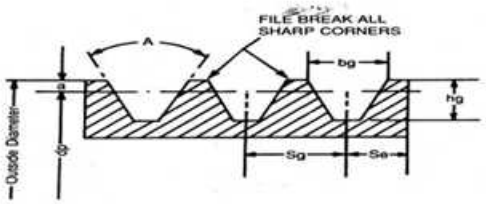
Universal V-Belt Pulleys ensures more mileage from V-belt drives and efficient power transmission, in a **way,** pulley is made from superior quality **graded cast iron, grooves** properly machined with or without **dynamic balancing** for pulleys to run on higher rpm. as per customer's requirements and conforms to IS:3142.

RANGE

- Sizes from 75mm to 3000mm pulley pitch dia.
- For various V-Belt groove section viz. A, B, C, D, E, F.H.P., BB, CC, SPZ, SPA, SPB & SPC.
- General purpose i.e. without taper bush with pilot bore.
- Quick-fit i.e. with taper lock bush with pilot bore or bored to requisite size and key-wayed as per requirements.

★ **Dynamic Balancing** of pulleys undertaken please and our lab Test Certificate is provided.

Dimensions for Standard V-grooved Pulleys



Quick-Fit Cone Bushes

Quick-Fit Hubs

Designed to have in-built facilities to maximise grips on shaft through wedging action on outer cone surface thus facilitating fixing and removal of bush easily through allen key.

VEE BELT PULLEYS (QUICK-FIT)

Universal V-Belt Pulleys ensures more mileage from V-belt drive(s), in a way, pulley is made from superior quality **graded Cast Iron,** with **grooves** properly machined with or without dynamic balancing that saves time in fixing & removal, eliminates re-building of surface, reboring & Key-waying, avoids keeping inventory of pulleys, interchangeability on many rotating items easier and possible.

For use with A/SPA Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
80	2	1108	28	6
	3	1210	32	6
	4	1215	32	6
	5	1215	32	6
85	2	1108	28	6
	3	1210	32	6
	4	1215	32	6
	5	1215	32	6
90	2	1108	28	6
	3	1610	42	6
	4	1615	42	3
	5	1615	42	3
95	2	1610	42	6
	3	1610	42	6
	4	1615	42	3
	5	1615	42	3
100	2	1610	42	6
	3	1610	42	6
	4	1615	42	6
	5	1615	42	6
106	2	1610	42	6
	3	1610	42	6
	4	1615	42	6
	5	2012	50	6
112	2	1610	42	6
	3	2012	50	6
	4	2012	50	6
	5	2012	50	6
118	2	1610	42	6
	3	2012	50	6
	4	2012	50	6
	5	2012	50	6
125	2	1610	42	2
	3	2012	50	2
	4	2012	50	2
	5	2012	50	2
132	2	1610	42	2
	3	2012	50	2
	4	2517	60	2
	5	2517	60	2

For use with A/SPA Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
140	2	2012	50	6
	3	2517	60	2
	4	2517	60	2
	5	2517	60	2
150	2	2012	50	6
	3	2517	60	2
	4	2517	60	2
	5	2517	60	2
160	2	2012	50	6
	3	2517	60	2
	4	2517	60	2
	5	2012	50	3
180	2	2012	50	2
	3	2517	60	2
	4	2517	60	2
	5	3020	75	2
200	2	2517	60	8
	3	2517	60	3
	4	3020	75	2
	5	3020	75	2
250	2	2517	60	8
	3	2517	60	7
	4	3020	75	7
	5	3020	75	7
315	2	2517	60	4
	3	3020	75	8
	4	3020	75	7
	5	3535	90	8
400	2	2517	60	4
	3	3020	75	4
	4	3020	75	5
	5	3535	90	4
500	2	2517	60	4
	3	3020	75	4
	4	3020	75	5
	5	3535	90	3
630	2	3020	75	4
	3	3020	75	4
	4	3535	90	4
	5	3535	90	4

FACE WIDTH OF DUO-APPLICATION CONE BUSH PULLEYS

Belt Section	No. of Grooves 2	3	4	5	6	7	8
A	35	50	65	80	—	—	—
B	44	63	82	101	120	—	—
C	—	—	111	136	162	187	213

For use with B/SPB Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
125	2	1610	42	6
	3	1610	42	6
	4	2012	50	3
	5	2012	50	3
	6	2012	50	3
132	2	1610	42	6
	3	1610	42	6
	4	2012	50	3
	5	2012	50	2
	6	2012	50	3
140	2	1610	42	6
	3	1610	42	6
	4	2012	50	3
	5	2012	50	2
	6	2517	60	3
150	2	1610	42	6
	3	2012	50	6
	4	2012	50	3
	5	2517	60	2
	6	2517	60	2
160	2	2012	50	6
	3	2517	60	6
	4	2517	60	3
	5	2517	60	3
	6	2517	60	2
170	2	2012	50	6
	3	2517	60	6
	4	2517	60	3
	5	3020	75	3
	6	3020	75	2
180	2	2012	50	6
	3	2517	60	6
	4	2517	60	3
	5	3020	75	3
	6	3020	75	2

For use with B/SPB Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
190	2	2517	60	1
	3	2517	60	6
	4	2517	60	3
	5	3020	75	3
	6	3020	75	2
200	2	2517	60	1
	3	2517	60	2
	4	3020	75	2
	5	3020	75	2
	6	3020	75	2
212	2	2517	60	1
	3	2517	60	2
	4	3020	75	2
	5	3020	75	2
	6	3020	75	2
224	2	2517	60	1
	3	2517	60	2
	4	3020	75	2
	5	3020	75	2
	6	3020	75	2
236	2	2517	60	1
	3	2517	60	2
	4	3020	75	2
	5	3020	75	2
	6	3020	75	2
250	2	2517	60	8
	3	3020	75	2
	4	3020	75	2
	5	3020	75	2
	6	3020	75	2
280	2	2517	60	8
	3	3020	75	7
	4	3020	75	7
	5	3535	90	7
	6	3535	90	7
315	2	3020	60	8
	3	3020	75	7
	4	3535	90	8
	5	3535	90	7
	6	3535	90	7
355	2	2517	75	4
	3	3020	75	5
	4	3535	90	8
	5	3535	90	7
	6	3535	90	7

For use with B/SPB Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
400	2	3020	75	4
	3	3535	90	4
	4	3535	90	4
	5	3535	90	5
	6	3535	90	5
500	2	3020	75	4
	3	3535	90	4
	4	3535	90	4
	5	3535	90	5
	6	4040	100	5
630	2	3030	75	4
	3	3535	90	4
	4	3535	90	4
	5	4040	100	4
	6	4040	100	5
800	2	3030	75	4
	3	3535	90	4
	4	4040	100	4
	5	4040	100	4
	6	4545	110	5
1000	3	4040	100	4
	4	4040	100	4
	5	4545	110	4
	6	4545	110	5

For use with C/SPC Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
200	4	3020	75	3
	5	3535	90	3
	6	3535	90	3
	7	3535	90	3
	8	3535	90	3
212	4	3020	75	3
	5	3535	90	3
	6	3535	90	3
	7	3535	90	3
	8	3535	90	3
224	4	3535	90	3
	5	3535	90	3
	6	3535	90	3
	7	3535	90	3
	8	3535	90	3

D-136, Shankar Road
NewDELHI-110 060, India
Fax: 91-11- 2874 2791
Email: universal@hic-india.com

Material Handling & HillDrive Hydraulics Solutions

Universal
CONVEYOR TRANSMISSION

HIC International Co Inc

PH: 011 - 5547 2400, 2874 5120

UNIVERSAL

VEE BELT PULLEYS (QUICK-FIT)

For use with C/SPC Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
236	4	3535	90	3
	5	3535	90	3
	6	3535	90	3
	7	3535	90	3
	8	3535	90	3
250	4	3535	90	3
	5	3535	90	3
	6	3535	90	3
	7	3535	90	3
	8	3535	90	3
265	4	3535	90	3
	5	3535	90	3
	6	3535	90	3
	7	3535	90	3
	8	3535	90	3
280	4	3535	90	3
	5	3535	90	3
	6	3535	90	3
	7	3535	90	3
	8	3535	90	3

For use with C/SPC Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
300	4	3535	90	7
	5	3535	90	7
	6	3535	90	7
	7	3535	90	7
	8	4040	100	3
315	4	3535	90	7
	5	3535	90	7
	6	3535	90	7
	7	3535	90	7
	8	4040	100	3
335	4	3535	90	7
	5	3535	90	7
	6	3535	90	7
	7	3535	90	7
	8	4040	100	3
355	4	3535	90	7
	5	3535	90	7
	6	3535	90	7
	7	4040	100	7
	8	4040	100	7

For use with C/SPC Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
375	4	3535	90	7
	5	3535	90	7
	6	4040	100	7
	7	4040	100	7
	8	4545	110	7
400	4	3535	90	5
	5	3535	90	5
	6	4040	100	7
	7	4545	110	7
	8	4545	110	7
425	4	3535	90	5
	5	4040	100	7
	6	4545	110	7
	7	4545	110	7
	8	5050	125	7
450	4	3535	90	5
	5	4040	100	5
	6	4545	110	7
	7	5050	125	7
	8	5050	125	7

For use with C/SPC Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
475	4	3535	90	5
	5	4040	100	5
	6	4545	110	7
	7	5050	125	7
	8	5050	125	7
500	4	3535	90	5
	5	4040	100	5
	6	4545	110	5
	7	5050	125	7
	8	5050	125	7
530	4	4040	100	5
	5	4545	110	5
	6	5050	125	5
	7	5050	125	7
	8	5050	125	7
560	4	4040	100	5
	5	4545	110	5
	6	5050	125	5
	7	5050	125	5
	8	5050	125	5

For use with C/SPC Section Belts

Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
630	4	4545	110	4
	5	5050	125	5
	6	5050	125	5
	7	5050	125	5
	8	5050	125	5
800	4	5050	125	4
	5	5050	125	5
	6	5050	125	5
	7	5050	125	5
	8	5050	125	5
1000	4	5050	125	4
	5	5050	125	5
	6	5050	125	5
	7	5050	125	5
	8	5050	125	5
1250	4	5050	125	4
	5	5050	125	5
	6	5050	125	5
	7	5050	125	5
	8	5050	125	5

Cone & Bush Size	1008	1108	1210	1215	1310	1610	1615	2012	2517	2525	3020	3030	3535	3525	4040	4545	5050
Nominal dia at large end of cone	35.0	38.0	47.5	47.5	51.0	57.0	57.0	70.0	85.5	85.5	108.0	108.0	127.0	127.0	146.0	162.0	177.5
Face Width	22	22	25	38	25	25	38	32	45	65	51	76	65	89	102	114	127
Minimum Bore	9	9	11	11	14	14	14	14	16	19	25	35	48	35	40	55	70
Maximum Bore	25	28	32	32	35	42	42	50	60	60	75	75	90	90	100	110	125

ALL DIMENSIONS IN MILLIMETRES

STANDARD PULLEY DIMENSIONS

Groove Cross-section	Pulley Pitch Diameter dp (mm)	Grove Angle A degree±0.5°	Minimum Top width of groove g (mm)	Minimum Groove depth below outside diameter hg (mm)	Centre to Centre of grooves Sg (mm)	Edge of Pulley to First Groove Centre (mm)
SPZ	Upto 80	34	9.7	11.0	12 ± 0.3	8.0 ± 1.0
	Over 80	38	9.9			
A	Upto 118	34	13.0			10.0 + 2.0 − 1.0
SPA	Over 118	38	13.3	13.8	15 ± 0.3	
B	Upto 190	34	16.6			12.5 + 2.0 − 1.0
SPB	Over 190	38	16.9	17.5	19 ± 0.4	
C	Upto 315	36	22.7			17 + 2.0 − 1.0
SPC	Over 315	38	22.9	23.8	25.5 ± 0.5	
D	Upto 475	36	32.2			24.0 + 3.0 − 1.0
	Over 475	38	32.6	28.0	37.0 ± 0.6	
E	Upto 630	36	38.3			29 + 4.0 − 1.0
	Over 630	38	38.6	33.0	44.5 ± 0.7	

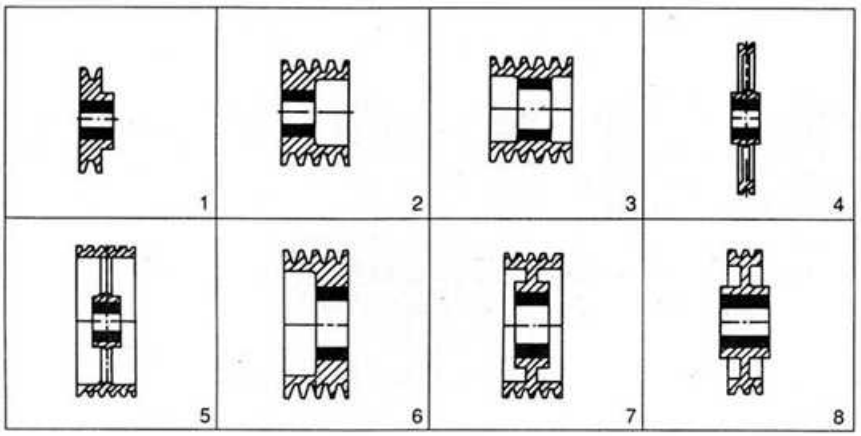
When the pulley are to be used for V-belt sections A, B or C only, dimension hg may be reduced by 20%.

CONE WEDGE Bushes are stocked to suit standard metric and imperial shafts. All keyways are as per relevant ISI standards bores can be provided against customer's requirements.

WELDABLE HUBS for Steel Pulleys, Sprockets, Fans, Agitators etc. are also available with Cone Bushes for Quick Fitting. Advantages are same as in Quick Fit Pulleys with Cone Bushes.

Standard Weldable Hubs with Cone Bushes are off the shelf for shaft sizes upto 125 mm dia.

DUO-APPLICATION QUICK FIT CONE BUSH PULLEYS



Minimum Information Required While Sending Enquiry/Order

1. Size i.e. pulley pitch dia, whether 75mm or 125mm & so on.
2. No. of grooves i.e. 2, 3 & so on.
3. For V-belt section i.e. A or SPB & so on.
4. Type i.e. general purpose or quick-fit with taper lock bush.
5. Bore size i.e. pilot or some requisite size.
6. Key waying, if at all reqd. (length, width & depth)
7. Quantity in nos.
8. Your detailed drawing, if possible.

D-136, Shankar Road
New DELHI-110 060, India
Fax: 91-11-2874 2791
Email: universal@hic-india.com

Material Handling & HillDrive Hydraulics Solutions

Universal
CONVEYOR TRANSMISSION