



Motors Drive Industrial V-Belts Technical Specifications



V Belt Technical Specification POLYESTER CORD Neoprene Jacketed HIC Manufactured UNIVERSAL Brand

Universal V Belts ensures non-stop power transmission of electric motors drive with minimal stretch and anti-static oil-heat resistant quality, in a way, cords used are high tenacity polyester, jacket fabric rubberised with neoprene rubber and supersedes IS:2494, DIN 7753 and BS 2790 standards.



Motor V Belt



Cogged V Belt

Power Transmission hic V Belts

- Classical Sections A(13mm), B(17), C(22) upto 450 inches ; D(32), E(38) upto 600"; F(9.5), M(10), O(10), Z(10), K(8), FM(10.2) upto 150" ; 2L(6.5) , 3L(10) upto 50" ; 4L(13.2) upto 400".
- Wedge Space Saver sections SPZ(10), SPA(13), SPB(17) upto 490" ; SPC(22) upto 675".
- Double Hexagonal V Belts AA (12.7), BB (17), CC (22) upto 360".
- Narrow Size Hi-Power V Belts 3V (9.5), 5V (15.9), 8V (25.4) upto 470"; 9N (9), 10N (10), 15N (15), 25N (25) upto 575".
- Raw Edge Cogged v belts AX(13), BX(17), CX(22) upto 120" ; 3VX(9.5), 5VX(16.5) upto 70" ; XPZ(9.7), XPA(12.7), XPB(16.3), XPC(22) upto 120".
- Multiple Banded belts 2 to 6 bands cross sections RA(13), RB(17), RC(22), RD(32) upto 8890 mm.
- Narrow V Banded belts 2 to 8 bands sizes R3V (9.5), R5V (16.9), R8V (25.4), SPZ (10), SPA (13), SPB (17), SPC (22) upto 8000 mm.
- Poly V belts sizes 3PK, 4PK, 5PK, 6PK, 7PK, 8PK upto 2500 mm length.
- Wrapped and Cogged Combine Harvester belts 19X, 25X, 28X, 32X, 36X, 38X, 40X, 45X, 50X, 55X, 60X upto 4000 mm.
- Variable Speed Wrapped and Cogged belts sections HI(25), HJ(36), HK(40), HL(45), HM(50), HN(55) upto 180" ; VK(15), VM(20), VA(25), VB(31), VC(41), VD(52), VE(66), VF(76), VG(87) upto 105".

Contact For Quote:

HIC INTERNATIONAL CO -Vee / Fan Belts Power Transmission Product Div

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Fax: 91-11-2874 2791

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Website : <http://www.rubber-steel-industrial-products.com>

Key personnel : Mr. Anil Gupta, President



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LENGTH CODING SYSTEM: When the code number 50 is shown on the cello-tape affixed on each Poly V-Belt, this indicates that the actual length coincides with the nominal length printed on the belt. Each deviation of 2.5 mm from the nominal length is represented by one unit. For instance, a V-belt with size 100" coded 50 is exactly 100 inches inside length. If the code is 49, then it is 99.9" and if the code is 51, then it is 100.1" inside length.

MATCHED SETS: The question of matched sets arises in case of multi V-belt drive as the length of V-belt should be matched in order to obtain even distribution of load. A 'Matched Set' is simply a set of such belts, the length of which are within the specified limits, so that these can be used together.

The table as shown depicts the permissible length deviations in consecutive grading numbers marked near the size code which represents the exact length measured under specified operating tensions.

Belt Drive V Section	Belt Pitch Length Exceeds Inside Length By (mm)	V Belt Outside Diameter Exceeds Pitch Diameter By (mm)	Nominal Inside Length (mm) of Machine Belt	Range (inches) of V Belt	No. of consecutive grading number (s) to be used to make a matched set
A	36	6.6	457 to 1676	18-66	1
B	43	8.4	1702 to 2286	67-90	2
C	56	11.4	2311 to 3048	91-120	3
D	79	16.2	3073 to 4572	121-180	4
E	92	19.3	4597 to 9093	181-358	5
SPZ		4.0	9119 and above	359 and above	6
SPA		6.0			
SPB		7.0			
SPC		9.6			



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Power Transmission V-Belts Product Specification

Normal Horse Power H.P.	Speed of Faster Shaft i.e. Motor Speed RPM				V-Belt Section	Permissible Min. Belt Pulley Pitch Diameter		Recommended Min Belt Pulley Pitch Diameter	
	720 and below	900	1200	1800		mm	inch	mm	inch
1/2 to 1 ^{1/2}	A	A	A	A	A	75	3	95	3.8
2 to 3	A or B	A or B	A or B	A or B	B	125	5	145	5.8
5	A or B	A or B	A or B	A or B	C	200	8	225	9
10	A or B	A or B	A or B	A or B	D	315	12.6	350	14
15	C	B or C	B or C	B	E	500	20	550	22
20	C	C	C	B or C	SPZ	-	-	63	2.5
25 to 30	C	C	C	C	SPA	-	-	90	3.6
40	D	C or D	C or D	C	SPB	-	-	160	6.4
50	D	C or D	C or D	C or D	SPC	-	-	224	9.0
60	D	C or D	C or D	C or D					
75	D	C or D	C or D	C or D					

1 KW = H.P. X 0.746

Please note that with smaller pulley diameter than those recommended, the life of belt is reduced considerable and also the transmitting power decreases. It is necessary to ensure that at least belts run on pulleys that are not below the permissible minimum diameter for each section.



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Table 3 Standard V Belt Pulley DIMENSIONS

V Belt Groove Cross-Section	Pulley Pitch Diameter dp (mm)	Groove 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 of First Groove Centre (mm)
SPZ	Upto 80	34	9.7			
	Over 80	38	9.9	11.0	12 ± 0.3	8.0 ± 1.0
A	Upto 118	34	13.0			
SPA	Over 118	38	13.3	13.8	15 ± 0.3	10.0 ± 2.0
B	Upto 190	34	16.6			
SPB	Over 190	38	16.9	17.5	19 ± 0.4	-1.0
C	Upto 315	36	22.7	23.8	25.5 ± 0.4	12.5 ± 2.0
SPC	Over 315	38	22.9	23.8	25.5 ± 0.5	-1.0
D	Upto 475	36	32.2			
	Over 475	38	32.6			
E	Upto 630	36	38.3	28.0	37.0 ± 0.6	24.0 + .0
	Over 630	38	38.6	33.0	44.5 ± 0.7	-1.0
						29 + 4.0
						-1.0

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

Universal urges to use standard premium quality Vee -Belt Pulley either conventional type or new generation quick - fit taper lock Pulley bush type manufactured to drag better mileage from V -Belts drive. Auto Fan Belts, Variable Speed Belts also manufactured.



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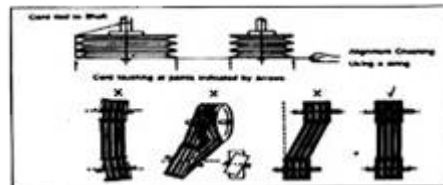
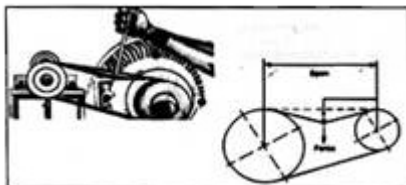


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Vee Belt Information To Be Supplied With Enquiry or Order

(I) Section (II) Size in inches or mm (III) Quantity in nos.



Belt Drive Rubber Design Formulae

$L = 2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$ $C = A + \sqrt{(A^2 - B)}$ <p>Where</p> $A = \frac{L}{4} - 0.3925(D + d)$ $B = \frac{(D-d)^2}{8}$ $\text{Number of belts, } N = \frac{P \times F_s}{R \times F_l \times F_c}$	<p>where</p> <p>L = Belt Pitch Length mm C = Centre Distance mm D = Pitch dia of large pulley mm d = Pitch dia of small pulley mm R = Power Rating per belt KW F_l = Belt Length Connection factor F_c = Arc of contact correction Factor F_s = Service Factor P = Drive Power in KW</p>
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Narrow and Cogged V Belts Information To Be Supplied With Enquiry or Order

1. Section , Top width x Thickness
2. Size , Length inches I/C or Pitch Length - MM
3. Quantity , nos.

Disclaimer: Information's, written and verbal are provided by HIC, relative to its products which it determines to be reliable & no liabilities of whatsoever nature in regards to it s uses. The purchaser of UNIVERSAL brand industrial products should determine for itself the suitability of such products.



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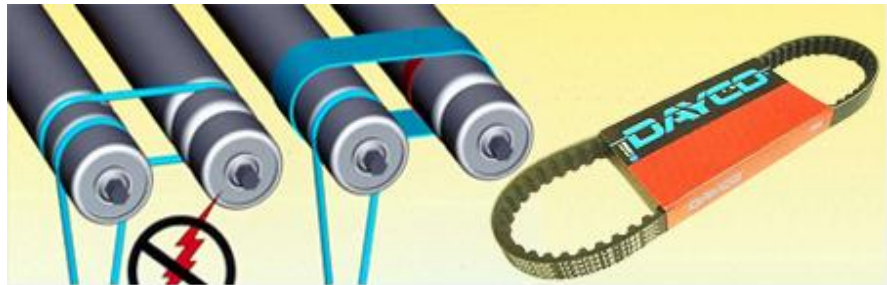


Transmission Belts Machinery Drive Technical Specifications



Rubber Belting Technical Specification CANVAS FABRIC HIC Manufactured UNIVERSAL Brand

Flat type rubber transmission beltings are used for pulley to pulley power transmission in textile mills, flour mills, stone crushers threshers, rice mills, agriculture and other industrial usage and Universal offers high grade rubber compounded belt with pre-stretched fabric of great tensile strength to give trouble-free service.



Power Transmission hic Flat Belting

- Rubber Nylon FR sandwich flat textile machinery belt 1.25mm thick green black colour upto 300 mm Width.
- Tangential rubber nylon textile mills belts TA 1.25~2.8mm thick green yellow colour upto 300 mm W.
- Leather belting cone drum drive LL 3~8mm thick off white chrome leather upto 300 mm W.
- Leather nylon paper mills line shaft drive belting LF 2.5~5.5mm thick upto 300 mm W.
- Nylon elastomer friction coating circular looms power transmission belts FF 1mm thick upto 300 mm W.
- PVC Nylon DB motorized tread mill and jogger machine belts 1.3~2.5mm thick upto 2000 mm W.
- Rubberized Nylon XRT textile carding drive motors belts 2~3.9mm thick upto 900 mm W.

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- Spindle Tapes ST folder and carrier belts.
- Friction surface train lighting belting 3~5 ply 31 -34 oz duck upto 1050 mm W.
- Canvas Rubber agricultural machinery drive belts 4~5 ply 28 -31 oz quality upto 1050 mm W.
- Transmission Rubber belts stone crushers, balata, flour mills motor drive 4~10 ply 37-34-31 oz upto 1050 mm W.

Rubber Belting FLAT Product Specification

(Superseding BS:351 and IS:1370)

Rubber Belt Quality Type	Belting Industrial Brands	#Drive Belt Edge Construction	~Transmission Belting Widths (mm)	*Belts Colour	~Belting Ply	App. Wt. Per 25mm=1' per ply per meter
Qte Type	Marque	#Construction de dentelle	~Largeur	*Couleur	~Toron	Poid de courroie par 25mm de largeur par toron/m
Tipo de Calidad	Marcas	#Borde construccion	~Anchura + (mm)	*Color Acero	~Travesias	Peso de cinta(aprox.)
1. 28oz light duty	Universal Super	Cut	25, 31, 37, 50, 62, 75, 88, 100	light grey With blue sides	3,4,5	0.037
2. 31oz medium duty	i) Universal Kinetic ii) Tor Steel iii) Tusker Super Deluxe	Cut	25, 31, 37, 50, 62, 75, 88, 100, 125, 150, 175, 200	do	3,4,5,6	0.038
3. 34oz heavy duty	i) Universal Oak ii) Dynapower iii) Cannon	Cut	37, 50, 62, 75, 88, 100, 125, 150, 175, 200, 225, 250, 150, 175, 200, 250, 300	do	4,5,6 8	0.040
4. 37oz extra heavy duty exclusively mfd. to our standards	i) Universal Brute ii) Rhino (super tough quality)	Cut	75, 100, 125, 150, 200, 250, 150, 200, 250, 300, 350, 400	do	4,5,6 8,10,12	0.045
5. 31oz Black medium to high duty	i) Universal Black Belt ii) Black Stone (with 0.4 mm app. thick black rubber coating on face & bottom frictioned)	Cut	75, 100, 125, 150	black	4	0.045



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Round edge construction with red stripe in middle are also manufactured in 28oz, 31oz duck quality, types subject to min. quantity of orders are placed as required at higher charges than cut edge for which please refer to us.

* **Other colours** are also manufactured, like orange (TBS) with red sides or light green with green sides on little extra charges subject to min. quantities of orders are placed.

~**Widths and plies** not listed above can be manufactured to order ranging sizes from # 25mm to 1050mm widths & 2 ply to 14 ply. Tolerance in width of +, - 3mm shall be applicable upto 125mm; +, - 4mm above 125mm upto 300mm; +, - 5mm above 300mm & upto 500mm; +, - 10mm above 500 & upto 750 ; +, - 15mm above 750 mm & up to 1050 mm widths.

MINIMUM RECOMMENDED BELT FLAT PULLEY DIAMETERS (in mm)

Belting Number of Plies	Belt speed (mtrs/sec.)				
Nombre de torons	Vitesse de courroie (metres/sec.)				
Numero de travesias	Velocidad de cintas (metros/seg.)				
	10	15	20	25	30
3	90	100	112	140	180
4	140	160	180	200	250
5	200	225	250	315	355
6	250	315	355	400	450
7	355	400	450	500	560
8	450	500	560	630	710
10	630	710	800	900	1000

RECOMMENDED BELT DRIVE FLAT PULLEY WIDTHS

Belt Width	Pulley to be wider than the belt width by
Largeur de courroie	Poulie doit etre plus large que courroie par
Anchura de	Cinta Polea a ser mas ancha que la anchura de la cinta por
Upto and including 125 mm	15mm
From 125 mm upto & incl. 250 mm	25mm
From 250 mm upto & incl. 375 mm	40mm
From 375 mm upto & incl. 500 mm	50mm

DIRECT DRIVE BELT CLIPPER FASTENERS

While vulcanized splices i.e., endless belt is strongly recommended but whenever it is not convenient to use endless belts, then wire hook-joints/sheet steel stampings/strap or plate joints may please be used, Please refer for fitting to the fasteners manufacturer/supplier for suitable selection.



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Transmission Belts Machinery Drive Technical Specifications



UNIVERSAL NYLON TRANSMISSION BELTINGS TECHNICAL SPECIFICATIONS

Type	Total thickness (mm)		Weight (Kg/sq. mtr) Approx		Min. Pulley dia (mm)	Pull for 1% Elongation (kg/cm)	Tensile Strength (kgs/cm)	Top Surface			Driving Surface			Max. temp. resistance (oc)	Type	Total thickness (mm)		Weight (Kg/sq. mtr) Approx		Min. Pulley dia (mm)	Pull for 1% Elongation (kg/cm)	Tensile Strength (kgs/cm)	Top Surface			Driving Surface			Max. temp. resistance (oc)
	Col.	Mat.	COF	Col.				Mat.	COF	Col.	Mat.	COF	Col.			Mat.	COF	Col.	Mat.				COF	Col.	Mat.	COF			
LEATHER NYLON BELTINGS													RUBBER NYLON BELTINGS																
LL-3	3.6	3.4	20	2	60	W	L	0.4	W	L	0.4	80	AR-1	2.4	3.0	40	4	120	G	NR	0.7	G	NR	0.7	100				
LL-6	4.0	3.7	40	4	120	W	L	0.4	W	L	0.4	80	AR-2	2.6	3.3	80	8	240	G	NR	0.7	G	NR	0.7	100				
LL-10	4.4	4.2	80	8	240	W	L	0.4	W	L	0.4	80	AR-3	2.9	3.6	100	10	330	G	NR	0.7	G	NR	0.7	100				
LL-12	5.0	4.6	100	10	330	W	L	0.4	W	L	0.4	80	AR3/6	6.0	6.7	100	10	330	G	NR	0.7	G	NR	0.7	100				
LL-20	6.5	5.5	160	16	480	W	L	0.4	W	L	0.4	80	AR-4	3.3	4.2	160	16	480	G	NR	0.7	G	NR	0.7	100				
LL-30	7.5	6.7	240	24	720	W	L	0.4	W	L	0.4	80	AR-5	3.9	4.6	220	19	570	G	NR	0.7	G	NR	0.7	100				
LL-40	8.0	7.8	320	32	960	W	L	0.4	W	L	0.4	80	ARS-1	2.4	3.0	40	4	120	G	NR	0.7	Y	NR	0.7	100				
LL-50	10	8.9	400	40	1200	W	L	0.4	W	L	0.4	80	ARS-2	2.6	3.3	80	8	240	G	NR	0.7	Y	NR	0.7	100				
LF-3	2.2	2.0	20	2	60	R	F	0.3	W	L	0.4	80	ARS-3	2.9	3.6	100	10	330	G	NR	0.7	Y	NR	0.7	100				
LF-6	2.4	2.3	40	4	120	R	F	0.3	W	L	0.4	80	ARS-4	3.3	4.2	160	16	480	G	NR	0.7	Y	NR	0.7	100				



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Type	Total thickness (mm)	Weight (Kg/sq. mtr) Approx	Min. Pulley dia (mm)	Pull for 1% Elongation (kg/cm)	Tensile Strength (kgs/cm)	Top Surface	Driving Surface	Max. temp. resistance (oc)	Type	Total thickness (mm)	Weight (Kg/sq. mtr) Approx	Min. Pulley dia (mm)	Pull for 1% Elongation (kg/cm)	Tensile Strength (kgs/cm)	Top Surface	Driving Surface	Max. temp. resistance (oc)		
LF-10	3.1	2.8	80	8	240	R F	0.3 W L	0.4	80	TANGENTIAL BELTS									
LF-12	3.4	3.5	100	10	330	R F	0.3 W L	0.4	80	TA 15M	1.8	2.0	50	5	150	PG NR	0.7 B NR	0.7	100
LF-20	4.8	4.0	160	16	480	R F	0.3 W L	0.4	80	TA 16M	1.8	2.1	50	5	150	PG NR	0.7 B NR	0.7	100
LF-30	6.0	4.5	240	24	720	R F	0.3 W L	0.4	80	TA 24M	2.4	3.0	100	10	300	PG NR	0.7 B NR	0.7	100
LF-30	7.3	6.3	320	32	960	R F	0.3 W L	0.4	80	TA 24MS	3.0	3.7	100	10	300	PG NR	0.7 B NR	0.7	100
LF-50	8.5	7.3	400	40	1200	R F	0.3 W L	0.4	80	TA 29HX	3.2	3.9	150	15	450	PG NR	0.7 B NR	0.7	100
L-6	2.0	2.2	40	4	120	T PS	0.2 W L	0.4	80	TA 29HXS	4.0	5.1	150	15	450	PG NR	0.7 B NR	0.7	100



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L-12	2.8	2.8	100	10	330	T	PS	0.2	W	L	0.4	80	SPINDLE TAPES												
L-16	3.9	3.4	160	16	480	T	PS	0.2	W	L	0.4	80	ST-0	0.7	0.5	10	0.5	20	B	F	0.20	W	F	0.20	80
LR-6	5.7	6.6	40	4	120	G	NR	0.7	W	L	0.4	80	ST-3	0.8	0.6	10	1	30	B	F	0.20	W	F	0.20	80
LR-10	4.2	4.1	80	8	240	G	NR	0.7	W	L	0.4	80	ST-6	0.9	0.7	20	2	60	B	F	0.20	W	F	0.20	80
LR-12	4.5	4.5	100	10	330	G	NR	0.7	W	L	0.4	80	WW-3	0.7	0.55	10	1	30	W	F	0.20	W	F	0.20	80

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FABRIC NYLON BELTING									WW-6	0.8	0.65	20	2	60	W	F	0.20	W	F	0.20	80				
FF-0	0.6	0.4	10	0.5	20	R	F	0.25	R	F	0.25	80	WW-6	1.5	1.05	20	2	60	W	F	0.20	W	F	0.20	80
FF-3	0.8	0.6	20	2	60	R	F	0.25	R	F	0.25	80	WW-8	1.0	0.9	40	4	120	W	F	0.20	W	F	0.20	80
FF-6	1.0	0.9	40	4	120	R	F	0.25	R	F	0.25	80	CONDENSOR TAPES												
FF-10	1.5	1.4	80	8	240	R	F	0.25	R	F	0.25	80	Astra	3.2	2.8	40	4	120	BR	L	0.4	BR	L	0.4	80
FRI	1.6	1.4	50	4	120	R	F	0.25	G	F	0.7	80	Coriatex	3.2	3.2	40	4	120	BR	L	0.4	BR	L	0.4	80

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Website : <http://www.rubber-steel-industrial-products.com>

Key personnel : Mr. Anil Gupta, President



Transmission Belts Machinery Drive Technical Specifications



DISCRIPTION	Col	- Colour	B	- Black	Tolerance	101 - 500 mm	3 mm
	MAT	- Material	BR	- Brown		501 - 750 mm	10 mm
	COF	- Coefficient of friction	Y	- Yellow	Length	751 - 950 mm	15 mm
	W	- White	L	- Leather		500 - 5000 mm	$\pm 0.5\%$
	R	- Red	F	- Fabric	5001 - 15000 mm	$\pm 0.3\%$	
	T	- Transparent	PS	- Polyamide Strip	150001 & Abv	$\pm 0.2\%$	
	G	- Green	NR	- Nitrile Rubber	Width	Upto 50 mm	± 1 mm
	PG	- Parrot Green				51 - 100 mm	± 2 mm
					Thickness	Rubber Series	0.15 mm
						Leather Series	0.3 mm
						ST/FF Series	0.05 mm

BASIC STRUCTURE



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Transmission Belts Machinery Drive Technical Specifications



CHECK LIST FOR PROPER INDUSTRIAL BELTING MAINTENANCE

- New belts are stored in a cool, dry and well ventilated place.
- Belts are jointed with correct & suitable fasteners.
- Belt dressing is not used.
- Belts are kept clean free from oil and grease on pulley faces.

BELTINGS LENGTHS MANUFACTURED, ORDER QUANTITIES AND PACKING

- Belts are supplied in roll lengths of 100 meters in each size subject to length tolerance of + 12%, -2% in running lengths & billing is done in terms of actual length.
- Min. quantity acceptable are 1200 meters in one quality type & in 1 type of ply rating but may have different sizes (widths) due to manufacturing requirements.
- Packed in polythene and then further packed in sea worthy jute cloth.

Transmission Belts Information To Be Supplied With Enquiry or Order

1. Width of belt (mm)
2. Ply (Nos) / Thickness
3. Quality of Fabric / Belt Type (nylon or rubber or leather) & Application
4. Color of Belt (generally Grey / Green, else specify)
5. Length of Roll (mtrs) sub. to tol. +10%, -2% or Endless Size & Qty.

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Industrial Machinery Drive Quick Fit Taper-lock Cast-iron Universal Belt Pulleys



V Belt Pulley Technical Specification TAPER LOCK HIC Manufactured UNIVERSAL Brand

Universal V-Belt Pulleys ensures more mileage form V-belt drive(s), in a way, pulley is made from superior quality graded cast iron, with grooves property machined with or without dynamic balancing that saves time in fixing & removal, eliminates re-building or surface, re-boring & key -waying, avoids keeping inventory of pulleys interchangeability on many rotating items easier and possible and conforms to IS: 3142

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

Belts Rotation hic V Belts Pulleys



- Taper Lock Dynamically Balanced Dual Duty v belt pulleys A/SPA section 1 to 6 grooves 80~800mm pitch circle dia (pcd) or Outer Diameter ; B/SPB 1 to 6 belt grooves 125~1000 pcd ; C/SPC 2~10 belts run groove 200~1250mm pcd.
- Balanced General Purpose solid vbelt pulleys without taper bush A section 1 to 5 grooves 2~26 inch OD ; B section 1 to 5 grooves 2~40"od ; C section 3~8 belts groove 3~50" OD ; D section 3~12 belts groove 12~56" OD ; E section 5~15 belts groove 16~72" OD.
- Taper Lock Bushes weld on hubs sizes 1008 to 5050 upto 125 mm maximum bore size.
- Chain Sprockets wheels single-double strand with knob 10~50 teeth in sizes 3/8"-1/2"-5/8"-3/4"-1"-1-1/4"-1-1/2" pitch sizes.

Face Width Of Duo Applications Cone Bush Pulleys							
No. of V Belt Grooves							
Belt Section	2	3	4	5	6	7	8
A	35	50	65	80	-	-	-
B	44	63	82	101	120	-	-
C	-	-	111	136	162	187	213

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Industrial Machinery Drive Quick Fit Taper-lock Cast-iron Universal Belt Pulleys



Taper Lock Pulley Duo-Application QUICK FIT Cone Bush Product Specification

Industrial Pulley for use with A/SPA Section Belt					Industrial Pulley for use with A/SPA Section Belt					Industrial Pulley for use with A/SPA Section Belt									
Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type					
80	2	1215	32	6	90	2	1615	42	3	100	2	1615	42	6					
	3	1215	32	6		3	1615	42	3		3	1615	42	6	6				
	4	1210	32	6		4	1610	42	6		4	1610	42	6	6				
	5	1108	28	6		5	1108	28	6		5	1610	42	6	6				
85	2	1215	32	6	95	2	1615	42	3	106	2	2012	50	6					
	3	1215	32	6		3	1615	42	3		3	1615	42	6	6				
	4	1210	32	6		4	1610	42	6		4	1610	42	6	6				
	5	1108	28	6		5	1610	42	6		5	1610	42	6	6				
Industrial Pulley for use with A/SPA Section Belt					Industrial Pulley for use with A/SPA Section Belt					Industrial Pulley for use with B/SPB Section Belt									
Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type					
112	2	1610	42	6	315	2	2517	60	4	180	2	2012	50	6					
	3	2012	50	6		3	3020	75	8		3	2517	60	6	6				
	4	2012	50	6		4	3020	75	7		4	2517	60	3	3				
	5	2012	50	6		5	3535	90	8		5	3020	75	3	3				
118	2	1610	42	6	400	2	2517	60	4	190	2	2517	60	1					
	3	2012	50	6		3	3020	75	4		3	2517	60	6	6				
	4	2012	50	6		4	3020	75	5		4	2517	60	3	3				
	5	2012	50	6		5	3535	90	4		5	3020	75	3	3				
125	2	1610	42	2	Industrial Pulley for use with B/SPB Section Belt					200	2	2517	60	1					
	3	2012	50	2							3	2517	60	2	2	2517	60	2	2
	4	2012	50	2							4	3020	75	2	2	3020	75	2	2
	5	2012	50	2							5	3020	75	2	2	3020	75	2	2
132	2	1610	42	2	Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	212	2	2517	60	1					
	3	2012	50	2							3	2517	60	2	2	2517	60	2	2
	4	2517	60	2							4	3020	75	2	2	3020	75	2	2
	5	2517	60	2							5	3020	75	2	2	3020	75	2	2
140	2	2012	50	6	125	2	1610	42	6	224	2	2517	60	1					
	3	2517	60	2		3	1610	42	6		2	2517	60	2	2				
	4	2517	60	2		4	2012	50	3		2	3020	75	2	2				
	5	2517	60	2		5	2012	50	3		2	3020	75	2	2				
					6	2012	50	3		6	3020	75	2	2					

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Industrial Machinery Drive Quick Fit Taper-lock Cast-iron Universal Belt Pulleys



Industrial Pulley for use with A/SPA Section Belt					Industrial Pulley for use with B/SPB Section Belt					Industrial Pulley for use with B/SPB Section Belt				
150	2	2012	50	6	132	2	1610	42	6	236	2	2517	60	1
	3	2517	60	2		3	1610	42	6		3	2517	60	2
	4	2517	60	2		4	2012	50	3		4	3020	75	2
	5	2517	60	2		5	2012	50	2		5	3020	75	2
					6	2012	50	3	6	3020	75	2		
160	2	2012	50	6	140	2	1610	42	6	250	2	2517	60	8
	3	2517	60	2		3	1610	42	6		3	3020	75	2
	4	2517	60	2		4	2012	50	3		4	3020	75	2
	5	2517	60	2		5	2012	50	2		5	3020	75	2
					6	2517	60	3	6	3020	75	2		
180	2	2012	50	2	150	2	1610	42	6	280	2	2517	60	8
	3	2517	60	2		3	2012	50	6		3	3020	75	7
	4	2517	60	2		4	2012	50	3		4	3020	75	7
	5	3020	75	2		5	2517	60	2		5	3535	90	7
					6	2517	60	2	6	3535	90	7		
200	2	2517	60	8	160	2	2012	50	6	315	2	3020	60	8
	3	2517	60	3		3	2517	60	6		3	3020	75	7
	4	3020	75	2		4	2517	60	3		4	3535	90	8
	5	3020	75	2		5	2517	60	3		5	3535	90	7
					6	2517	60	2	6	3535	90	7		
250	2	2517	60	8	170	2	2012	50	6	355	2	2517	75	4
	3	2517	60	7		3	2517	60	6		3	3020	75	5
	4	3020	75	7		4	2517	60	3		4	3535	90	8
	5	3020	75	7		5	3020	75	3		5	3535	90	7
					6	3020	75	2	6	3535	90	7		
Industrial Pulley for use with B/SPB Section Belt					Industrial Pulley for use with C/SPC Section Belt					Industrial Pulley for use with C/SPC Section Belt				
Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type
400	2	3020	75	4	236	4	3535	90	3	425	4	3535	90	5
	3	3535	90	4		5	3535	90	3		5	4040	100	7
	4	3535	90	4		6	3535	90	3		6	4545	110	7
	5	3535	90	5		7	3535	90	3		7	4545	110	7
	6	3535	90	5		8	3535	90	3		8	5050	125	7
500	2	3020	75	4	250	4	3535	90	3	450	4	3535	90	5
	3	3535	90	4		5	3535	90	3		5	4040	100	5
	4	3535	90	4		6	3535	90	3		6	4545	110	7
	5	3535	90	5		7	3535	90	3		7	5050	125	7
	6	4040	100	5	8	3535	90	3	8	5050	125	7		
630	2	3030	75	4	265	4	3535	90	3	475	4	3535	90	5
	3	3535	90	4		5	3535	90	3		5	4040	100	5
	4	3535	90	4		6	3535	90	3		6	4545	110	7
	5	4040	100	4		7	3535	90	3		7	5050	125	7
	6	4040	100	5	8	3535	90	3	8	5050	125	7		

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**Industrial Machinery
Drive Quick Fit
Taper-lock
Cast-iron Universal Belt
Pulleys**



Industrial Pulley for use with B/SPB Section Belt					Industrial Pulley for use with C/SPC Section Belt					Industrial Pulley for use with C/SPC Section Belt				
800	2	3030	75	4	280	4	3535	90	3	500	4	3535	90	5
	3	3535	90	4		5	3535	90	3		5	4040	100	5
	4	4040	100	4		6	3535	90	3		6	4545	110	5
	5	4040	100	4		7	3535	90	3		7	5050	125	7
	6	4545	110	5		8	3535	90	3		8	5050	125	7
1000	3	4040	100	4	300	4	3535	90	7	530	4	4040	100	5
	4	4040	100	4		5	3535	90	7		5	4545	110	5
	5	4545	110	4		6	3535	90	7		6	5050	125	5
	6	4545	100	5		7	3535	90	7		7	5050	125	7
Industrial Pulley for use with C/SPC Section Belt					315	4	3535	90	7	560	4	4040	100	5
						5	3535	90	7		5	4545	110	5
						6	3535	90	7		6	5050	125	5
						7	3535	90	7		7	5050	125	5
Pitch Dia	No. of Grooves	Bush No.	Max Bore	Pulley Type	335	4	3535	90	7	630	4	4545	110	4
						5	3535	90	7		5	5050	125	5
						6	3535	90	7		6	5050	125	5
						7	3535	90	7		7	5050	125	5
						8	4040	100	3		8	5050	125	5
200	4	3020	75	3	355	4	3535	90	7	800	4	5050	125	4
	5	3535	90	3		5	3535	90	7		5	5050	125	5
	6	3535	90	3		6	3535	90	7		6	5050	125	5
	7	3535	90	3		7	4040	90	7		7	5050	125	5
	8	3535	90	3		8	4040	100	3		8	5050	125	5
212	4	3020	75	3	375	4	3535	90	7	1000	4	5050	125	4
	5	3535	90	3		5	3535	90	7		5	5050	125	5
	6	3535	90	3		6	4040	100	7		6	5050	125	5
	7	3535	90	3		7	4040	100	7		7	5050	125	5
224	4	3535	90	3	400	4	3535	90	5	1250	4	5050	125	4
	5	3535	90	3		5	3535	90	5		5	5050	125	5
	6	3535	90	3		6	4040	100	7		6	5050	125	5
	7	3535	90	3		7	4545	110	7		7	5050	125	5
	8	3535	90	3		8	4545	110	7		8	5050	125	5



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Belt Pulley Taper Lock Bush Dimensions In Millimeters

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	80	75	75	90	90	100	110	125



Quick Fit Taper-lock
Pulley Bush



Universal Weld on Hub
Pulley Bush

V Belt PULLEY Standard

v Belt Groove Cross-Section	Pulley pitch Diameter dp (mm)	Groove Angle A Deree $\pm 0.5^\circ$	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 over 80	34 38	9.7 9.9	11.0	12+0.3	8.0+1.0
A	upto 118 over 118	34 38	13.0 13.3	13.8	15+0.3	10.0+2.0 -1.0
SPA	upto 190 over 190	34 38	16.6 16.9	17.5	19+0.4	12.5+2.0 -1.0
B	upto 315 over 315	34 38	22.7 22.9	23.8	25.5+0.5	17+2.0 -1.0
SPB	upto 475 over 475	36 38	32.2 32.6	28.0	37.0+0.6	24.0+3.0 -1.0
C	upto 630 over 630	36 38	38.3 38.6	33.0	44.5+0.7	29+4.0 -1.0
D						
E						

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



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Industrial Machinery Drive Quick Fit Taper-lock Cast-iron Universal Belt Pulleys



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

Vee Belt Pulley Information To Be Supplied With Enquiry or 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.

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