

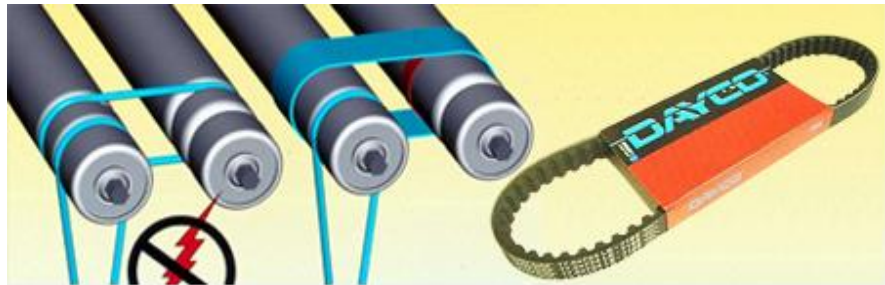


Transmission Belts Machinery Drive Technical Specifications



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.

Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President



Transmission Belts Machinery Drive Technical Specifications



- 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



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President



Transmission Belts Machinery Drive Technical Specifications



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.



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President



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	
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	



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President



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)		
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



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President



Transmission Belts Machinery Drive 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)								
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



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President



Transmission Belts Machinery Drive 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)										
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



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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		Length
	COF	- Coefficient of friction	Y	- Yellow	500 - 5000 mm $\pm 0.5\%$	751 - 950 mm 15 mm
	W	- White	L	- Leather	5001 - 15000 mm $\pm 0.3\%$	Thickness
	R	- Red	F	- Fabric	150001 & Abv $\pm 0.2\%$	
	T	- Transparent	PS	- Polyamide Strip	Width	Leather Series 0.3 mm
	G	- Green	NR	- Nitrile Rubber	Upto 50 mm ± 1 mm	ST/FF Series 0.05 mm
	PG	- Parrot Green			51 - 100 mm ± 2 mm	

BASIC STRUCTURE



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President



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.

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 its uses. The purchaser of UNIVERSAL brand industrial products should determine for itself the suitability of such products.



Contact For Quote:

HIC INTERNATIONAL CO –Power Transmission Products Rubber Belting Div

D-136, Shankar Road, New Delhi - 110060, India

Phone: 91-11-6547 2400, 2874 5120

Fax: 91-11-2874 2791

E-mail : universal@hic-india.com; belts@universaldelhi.org

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

Key personnel : Mr. Anil Gupta, President