



HUCHINBELT

Power Transmission Belt



Shanghai Huchin Industrial Co.,Ltd

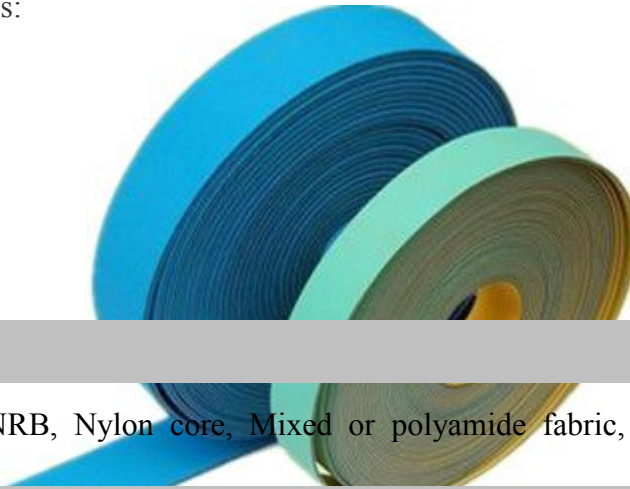
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Product Instruction:

Our transmission flat belts' structure consists of friction covers made of special synthetic rubber with high resistance to abrasion or chrome leather; High strength nylon film as a skeleton layer base. Such structure enables the belt to have excellent comprehensive properties:

- Long service life;
- transmission efficiency: over 98%;
- Transmission speed: over 60m/s;
- Good flexibility and directionality;
- High resistance to abrasion;
- Good dimensional stability;
- Constant friction coefficient.



Materials:

PU, Polyamide, Aramide, Special NRB, Nylon core, Mixed or polyamide fabric, Chrome-Leather, PE, etc.

Application:

- | | |
|--|------------------------|
| 1. Textile-Yarn processing industry | 4. Packaging Machinery |
| 2. Wood industry---Board and panel manufacturing | 5. Synthetic fiber |
| 3. Printing, Paper-making | 6. Light industry |

The main sorts:

1. Transmission flat belt;
2. Tangential belt;
3. Spindle tape.

Power transmission belt is widely used on machines as following:

Transmission flat belt:

❖ Textile industry:

Circular knitting machines, Flyer frames, Carding machines, grooved drum machine, Ring spinning frames.

❖ Wood industry:

Woodworking drill press, woodworking moulders, wood milling groove machine, woodworking Routers.

❖ Printing, paper, packing industry:

Printing machine, paper-making machines, packaging machines.

❖ More industries:

Postal machine, Bag making machine, staple, canning machine, folding machine, paper tube machine, folder-gluer.

Tangential belt: OE Spinning machine, Blower tape, Rotor spinner, Ring spinning frames, Fancy twisters, Two-for-one twisters, Draw -texturing machine, Covering machines.

Spindle tape: twisting machine, spinning frames.

Transmission Flat Belts Data Sheet:

Code Number	Total Thickness (mm)	Weight (kg/m ²)	Diameter (min) (mm)	Tensile stress under 1% strain(N/mm)	Tensile strength (N/mm)	Strain at installation (%)	Temperature resistance (°C)	Coefficient of friction on steel	Continuous antistatic
HY0	1.2	1.3	20	2.5	6.0	1.5-2.5	-20~+100	0.6	Excellent
HY1	1.5	1.6	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HY2	1.8	1.9	60	7.5	18.0	1.5-2.5	-20~+100	0.6	Excellent
HM1	2.0	2.5	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HM2	2.3	2.8	60	7.5	18.0	1.5-2.5	-20~+100	0.6	Excellent
HM3	2.6	3.1	80	10.0	25.0	1.5-2.5	-20~+100	0.6	Excellent
HM4	3.1	3.6	120	14.0	32.0	1.5-2.5	-20~+100	0.6	Excellent
HF1	2.6	2.8	35	5.0	12.0	1.5-2.5	-20~+80	0.3	Excellent
HF2	2.9	3.1	60	7.5	18.0	1.5-2.5	-20~+80	0.3	Excellent
HF3	3.2	3.4	70	10.0	25.0	1.5-2.5	-20~+80	0.3	Excellent
HF4	3.7	3.9	120	15.0	32.0	1.5-2.5	-20~+80	0.3	Excellent
HFF1	3.7	3.8	35	5.0	12.0	1.5-2.5	-20~+80	0.3	Excellent
HFF2	4.0	4.1	60	7.5	18.0	1.5-2.5	-20~+80	0.3	Excellent
HFF3	4.2	4.3	70	10.0	25.0	1.5-2.5	-20~+80	0.3	Excellent
HFF4	4.7	4.8	120	15.0	32.0	1.5-2.5	-20~+80	0.3	Excellent
HL0/14	1.4	1.5	20	2.5	6.0	1.5-2.5	-20~+100	0.7	Excellent
HL0H/15	1.5	1.7	25	3.5	9.0	1.5-2.5	-20~+100	0.7	Excellent
HL1/17	1.7	1.8	35	5.0	12.0	1.5-2.5	-20~+100	0.7	Excellent
HL1R/21	2.1	2.5	35	5.0	12.0	1.5-2.5	-20~+100	0.7	Excellent
HL1H/20	2.0	2.2	60	7.5	18.0	1.5-2.5	-20~+100	0.7	Excellent
HL2/23	2.3	2.6	60	7.5	18.0	1.5-2.5	-20~+100	0.7	Excellent
HL2R/32	3.2	3.6	60	7.5	18.0	1.5-2.5	-20~+100	0.7	Excellent
HL2M/24	2.4	2.7	65	8.5	21.0	1.5-2.5	-20~+100	0.7	Excellent
HL2H/24	2.4	2.7	70	10.0	25.0	1.5-2.5	-20~+100	0.7	Excellent
HL2RH/30	3.0	3.4	70	10.0	25.0	1.5-2.5	-20~+100	0.7	Excellent
HL3/26	2.6	2.8	70	10.0	25.0	1.5-2.5	-20~+100	0.7	Excellent
HL3/30	3.0	3.6	70	10.0	25.0	1.5-2.5	-20~+100	0.7	Excellent
HL3M/26	2.6	2.9	90	11.5	28.0	1.5-2.5	-20~+100	0.7	Excellent
HL3M/28	2.8	3.1	90	11.5	28.0	1.5-2.5	-20~+100	0.7	Excellent
HL3H/26	2.6	2.9	100	11.0	30.0	1.5-2.5	-20~+100	0.7	Excellent
HL3H/28	2.8	3.1	100	12.5	30.0	1.5-2.5	-20~+100	0.7	Excellent
HL3H/30	3.0	3.4	100	12.5	30.0	1.5-2.5	-20~+100	0.7	Excellent
HL4/31	3.1	3.4	120	15.0	32.0	1.5-2.5	-20~+100	0.7	Excellent
HL4R/39	3.9	4.5	120	15.0	32.0	1.5-2.5	-20~+100	0.7	Excellent
HL4H/32	3.2	3.4	150	17.5	39.0	1.5-2.5	-20~+100	0.7	Excellent
HL4H/35	3.5	4.1	150	17.5	39.0	1.5-2.5	-20~+100	0.7	Excellent
HL4RH/38	3.8	4.4	150	17.5	39.0	1.5-2.5	-20~+100	0.7	Excellent
HL6/35	3.5	4.0	180	20.0	50.0	1.5-2.5	-20~+100	0.7	Excellent

Transmission Flat Belts Data Sheet:

Code Number	Total Thickness (mm)	Weight (kg/m ²)	Diameter (min) (mm)	Tensile stress under 1% strain(N/mm)	Tensile strength (N/mm)	Strain at installation (%)	Temperature resistance (°C)	Coefficient of friction on steel	Continuous antistatic
HYB1/10	1.4	1.5	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HYB1/15	1.6	1.7	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HYB1/20	2.1	2.2	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HYB1/30	3.0	3.4	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HYB1/40	4.0	4.6	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HYB2/20	2.4	2.5	60	7.5	18.0	1.5-2.5	-20~+100	0.6	Excellent
HYB2/30	3.2	3.6	60	7.5	18.0	1.5-2.5	-20~+100	0.6	Excellent
HYB2/40	4.2	4.8	60	7.5	18.0	1.5-2.5	-20~+100	0.6	Excellent
HYB2/60	5.5	6.3	60	7.5	18.0	1.5-2.5	-20~+100	0.6	Excellent
HS0/08	0.8	0.7	15	2.5	6.0	1.5-2.5	-20~+100	0.3	Excellent
HS0H/10	1.0	0.9	20	3.5	9.0	1.5-2.5	-20~+100	0.3	Excellent
HS1/12	1.2	1.1	30	5.0	12.0	1.5-2.5	-20~+100	0.3	Excellent

Applications of each series :

1)HY Series: Designed for light and middle duty drive in various industries such as being used on printing machines.

2)HM Series: High-efficiency one-side power transmission belts designed for middle and heavy horse-power drives; being proof against oil and dust, they can operate well in all conditions especially under adverse circumstances such as being used in blowers, mixers, steel rolling mills, turbine generators, marble gang saws and pumps, etc.

3)HF Series: Belts of one-side drive with chrome-leather surface layer designed for over-loaded and taper cone drives and drives with belt shifters in the machines such as crushers, paper-making and building machines, and blow-room machines in textile industry, etc.

4)HFF Series: Belts of double drive with two chrome-leather surface layers suitable not only for the application areas where F series of belts are used due to the fact that they have the same features but also for multiple and cross drives.

5)HL Series: High-efficiency double-drive belts especially suitable for high-speed tangential drive and power transmission in textile industry such as being used on O.E. spinning frames, two-for-one twisters, draw-texturing machines, novelty twisters; they are also used in cards, drawing, roving and ring spinning frames; such belts can be used for power transmission in paper-bobbin making machines.

6)HYB Series: High-efficiency double-drive belts designed for the drives of case-plastering, posting, packaging and circular knitting machines due to their good flexibility property.

Tangential Belts Data Sheet:

Code Number	Total Thickness (mm)	Weight (kg/m ²)	Diameter (min) (mm)	Tensile stress under 1% strain(N/mm)	Tensile strength (N/mm)	Strain at installation (%)	Temperature resistance (°C)	Coefficient of friction on steel	Continuous antistatic
HYB1/10	1.4	1.5	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HYB1/15	1.6	1.7	35	5.0	12.0	1.5-2.5	-20~+100	0.6	Excellent
HL1/17	1.7	1.8	35	5.0	12.0	1.5-2.5	-20~+100	0.7	Excellent
HL1H/20	2.0	2.2	60	7.5	18.0	1.5-2.5	-20~+100	0.7	Excellent
HL2/23	2.3	2.6	60	7.5	18.0	1.5-2.5	-20~+100	0.7	Excellent
HL2M/24	2.4	2.7	65	8.5	21.0	1.5-2.5	-20~+100	0.7	Excellent
HL2H/24	2.4	2.7	70	10.0	25.0	1.5-2.5	-20~+100	0.7	Excellent
HL3/26	2.6	2.8	70	10.0	25.0	1.5-2.5	-20~+100	0.7	Excellent
HL3M/28	2.8	3.1	90	11.5	28.0	1.5-2.5	-20~+100	0.7	Excellent
HL3H/26	2.6	2.9	100	11.0	30.0	1.5-2.5	-20~+100	0.7	Excellent
HL3H/28	2.8	3.1	100	12.5	30.0	1.5-2.5	-20~+100	0.7	Excellent
HL3H/30	3.0	3.4	100	12.5	30.0	1.5-2.5	-20~+100	0.7	Excellent
HL4/31	3.1	3.4	120	15.0	32.0	1.5-2.5	-20~+100	0.7	Excellent
HL4H/32	3.2	3.4	150	17.5	39.0	1.5-2.5	-20~+100	0.7	Excellent
HL4RH/38	3.8	4.4	150	17.5	39.0	1.5-2.5	-20~+100	0.7	Excellent
HL6/35	3.5	4.0	180	20.0	50.0	1.5-2.5	-20~+100	0.7	Excellent
HF2	2.9	3.1	60	7.5	18.0	1.5-2.5	-20~+80	0.3	Excellent
HFF2	4.0	4.1	60	7.5	18.0	1.5-2.5	-20~+80	0.3	Excellent

Examples of application										
Type	Suction devices	Rotor spinner	Ring spinning frames	Fancy twisters	Two-for-one twisters	Draw-texuring machine	Covering machines	Circular knitting machines	Flyer frames	Carding machines
HYB1/10								■		
HYB1/15	▲							■		
HL1/17	▲									
HL1H/20	▲									
HL2/23		▲								
HL2M/24		▲	■	▲						
HL2H/24		▲	■	▲			▲		■	
HL3/26		▲	■	▲	▲		▲		■	■
HL3M/28		▲	■	▲	▲		▲			
HL3H/26			■	▲	▲		▲			
HL3H/28				▲	▲		▲			

HL3H/30				▲	▲		▲			
HL4/31			▲		▲					■
HL4H/32			▲		▲	▲				
HL4RH/38					▲	▲				
HL6/35			▲							
HF2									■	■
HFF2									■	■

"▲"-Tangential belts

"■"-Transmission flat belts

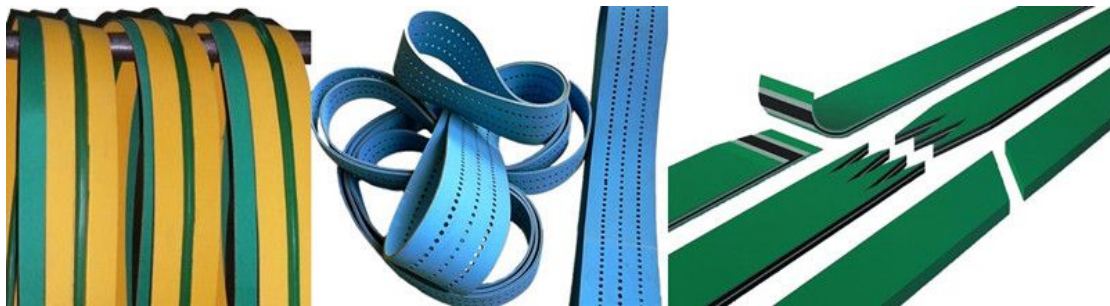
Spindle Tape Data Sheet:

Code Number	Total Thickness (mm)	Weight (kg/m ²)	Diameter (min) (mm)	Tensile strength (N/mm)	Temperature resistance (°C)	Coefficient of friction on steel	Continuous antistatic
HST	0.6	0.55	15	3.5	-20~+100	0.6	Excellent
HSTT	0.9	0.85	20	6.0	-20~+100	0.6	Excellent

Notes: 1) Designed for 4-spindle, 8-spindle or multi-spindle drives and have the advantages of antistatic, wear-resistance and energy-saving, etc. Their splicing is easy and quick.

2) Divided into two types, namely, HST type and HSTT type. HST type are suitable respectively for cotton spinning frames; HSTT type for synthetic fiber, woollen and worsted spinning.

Special processing belts show:



Welcome your inquiry.