



TECHNICAL Catalogue

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BELT SELECTION CHART - **Nylon/Nylon Fabric-NN**

Belt Rating	Recommended Max. Belt Tension N/mm	Nominal Carcass Thickness, mm	Nominal Carcass Weight, Kg/m2	Minimum Pulley Diameter (mm), 60 to 100% Belt rated tension		
				Drive	Snub	Tail
NN 200/2	20	2.2	2.6	200	160	125
NN 250/2	25	2.2	2.6	200	160	125
NN315/2	32	2.4	2.9	250	200	160
NN315/3	32	3.3	4.0	315	250	200
NN 400/2	40	2.8	3.4	315	250	200
NN 400/3	40	3.3	4.0	315	250	200
NN 400/4	40	4.4	5.3	400	315	250
NN 500/3	50	3.6	4.3	400	315	250
NN 500/4	50	4.4	5.3	400	315	250
NN 500/5	50	5.5	6.6	500	400	315
NN 630/3	70	4.2	5.0	400	315	250
NN 630/4	70	4.8	5.8	500	400	315
NN 630/5	70	5.5	6.6	500	400	315
NN 800/3	90	4.8	5.8	500	400	315
NN 800/4	90	5.6	6.7	630	500	400
NN 800/5	90	6.0	7.2	630	500	400
NN 1000/3	110	5.4	6.5	500	400	315
NN 1000/4	110	6.4	7.7	630	500	400
NN 1000/5	110	7.0	8.4	630	500	400
NN 1250/4	140	7.2	8.6	800	630	500
NN 1250/5	140	8.0	9.6	800	630	500
NN 1250/6	140	8.4	10.1	800	630	500
NN 1400/4	140	8.8	10.6	800	630	500
NN 1600/4	155	9.2	11.0	1000	800	630
NN 1600/5	180	9.0	10.8	1000	800	630
NN 1800/5	200	11.0	13.2	1000	800	630
NN 1800/6	200	10.8	13.0	1000	800	630
NN 2000/5	220	11.5	13.8	1250	1000	800

Note : Carcass thickness and weights are nominal value

BELT SELECTION CHART - Polyester / Nylon Fabric - EP

Belt Rating	Recommended Max. Belt Tension N/mm	Nominal Carcass Thickness, mm	Nominal Carcass Weight, Kg/m ²	Minimum Pulley Diameter (mm), 60 to 100% Belt rated tension		
				Drive	Snub	Tail
EP 200/2	20	2.4	2.9	315	250	200
EP 250/2	25	2.4	2.9	315	250	200
EP 315/2	32	2.6	3.1	315	250	200
EP 315/3	32	3.6	4.3	400	315	250
EP 400/2	40	3.0	3.6	400	315	250
EP 400/3	40	3.6	4.3	400	315	250
EP 400/4	40	4.8	5.8	630	500	400
EP 500/3	50	3.9	4.7	500	400	315
EP 500/4	50	4.8	5.8	630	500	400
EP 500/5	50	6.0	7.2	800	630	500
EP 630/3	70	4.5	5.4	500	400	315
EP 630/4	70	5.2	6.2	630	500	400
EP 630/5	70	6.0	7.2	800	630	500
EP 800/3	90	5.4	6.5	630	500	400
EP 800/4	90	6.0	7.2	800	630	500
EP 800/5	90	6.0	7.2	800	630	500
EP 1000/3	110	6.0	7.2	800	630	500
EP 1000/4	110	7.2	8.6	800	630	500
EP 1000/5	110	7.5	9.0	1000	800	630
EP 1250/4	140	8.0	9.6	1000	800	630
EP 1250/5	140	9.0	10.8	1000	800	630
EP 1250/6	140	9.0	10.8	1000	800	630
EP 1400/4	155	8.0	13.1	1000	800	630
EP 1600/4	180	9.6	14.3	1250	1000	800
EP 1600/5	180	10.3	11.6	1250	1000	800
EP 1800/5	200	10.0	12.2	1250	1000	800
EP 1800/6	200	10.1	14.2	1250	1000	800
EP 2000/4	220	12.2	13.8	1400	1250	1000
EP 2000/5	220	12.0	16.2	1400	1250	1000
EP 2500/5	250	15.5	17.3	1800	1400	1250
EP 2500/6	250	18.8	20.8	2000	1600	1250

Note : Carcass thickness and weights are nominal value

BELT COVER RUBBER GRADE



Cover Grades	Reference Standards	Remarks
GENERAL PURPOSE AND ABRASION RESISTANCE		
M-24/H	IS 1891 (Part-I)	Good Tensile and Abrasion properties
M24-HR	KBPL Standard	Good Tensile & Abrasion properties with max. material temperature up to 100 degree C
N-17/L	IS 1891 (Part-I)	Medium Tensile and Abrasion properties
SAR-90/D	KBPL Standard	Abrasion Loss of Max. 90 mm ³
SAR-70	KBPL Standard	Abrasion Loss of Max. 70 mm ³
SAR-50	KBPL Standard	Abrasion Loss of Max. 50 mm ³
MOZ	KBPL Standard	Good Tensile and Ozone resistance properties
XCG	KBPL Standard	Excellent resistance to Cut & Gouge
XCG-SAR	KBPL Standard	Excellent resistance to Cut & Gouge and Abrasion loss of max 70 mm ³
RMA-I	US Standard	Confirms to US Standard
RMA-II	US Standard	Confirms to US Standard
LRR	KBPL Standard	Excellent low rolling resistance
DIN-X	DIN 22102	Confirms to DIN Standard
DIN-Y	DIN 22102	Confirms to DIN Standard
DIN-W	DIN 22102	Confirms to DIN Standard
DIN-Z	DIN 22102	Confirms to DIN Standard
AUS-A	AUS 1332	Confirms to AUS 1332 Standard
AUS-M	AUS 1332	Confirms to AUS 1332 Standard
AUS-N	AUS 1332	Confirms to AUS 1332 Standard
HEAT RESISTANCE		
HR-T1	IS 1891 (Part-II)	To carry 125 degree C Lump or 100 degree C fine material
HR-T2	IS 1891 (Part-II)	To carry 150 degree C Lump or 125 degree C fine material
UHR/HR-T3	KBPL Standard	To carry 220 degree C Lump or 160 degree C fine material
HR-T4	KBPL Standard	To carry 400 degree C Lump or 250 degree C fine material
FIRE RESISTANCE		
FR-1	IS 1891 (Part-V) & CAN CSA M22 M87/ Type C	Confirms to IS 1891 (part-V) Standard & CAN CSA M22 M87/ Type C standard
FR-2	ISO-340	Confirms to ISO-340 Standard
FR-MSHA	US MSHA	For Under ground mining
FR-SAR	KBPL Standard	Confirms to IS 1891 (Part-V & Part-I) standard
OIL RESISTANCE		
OR-1	IS 1891 (Part-III)	Resistance to Petroleum oil
OR-Ediable	IS 1891 (Part-III)	Resistance to Ediable oil
OHR	KBPL Standard	Oil and Heat resistance (Temp – 125 degree C)
OFR	KBPL Standard	Oil and Fire resistance (CAN CSA M22-M87 Type C)
MOR	KBPL Standard	Moderate Oil resistance

COVER PROPERTIES



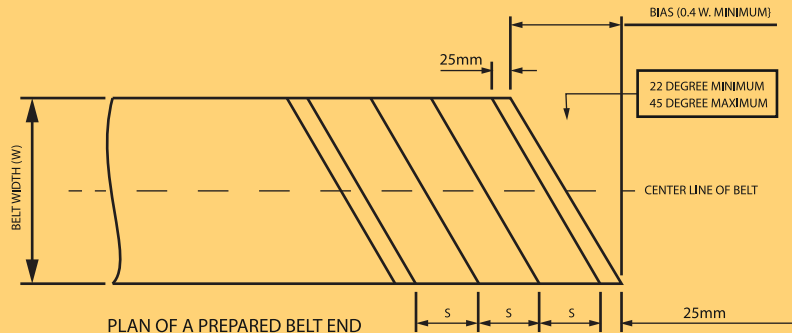
Grades	Standards	Tensile Strength (MPa) (Min.)	Minimum Elongation at Break (%)	Abrasion Loss mm3 (Max.)
GENERAL PURPOSE AND ABRASION RESISTANCE				
M-24/H	IS 1891 (Part-I)	24	450	120
M24-HR	KBPL Standard	22	450	150
N-17/L	IS 1891 (Part-I)	17	400	200
SAR-90/D	KBPL Standard/IS 1891 (Part-I)	17	400	90
SAR-70	KBPL Standard	17	400	70
SAR-50	KBPL Standard	15	400	55
MOZ	KBPL Standard	22	450	150
XCG	KBPL Standard	22	450	120
XCG SAR	KBPL Standard	18	450	70
RMA-I	US Standard	16	450	150
RMA-II	US Standard	14	400	200
LRR	KBPL Standard	20	450	80
DIN-X	DIN 22102	25	450	120
DIN-Y	DIN 22102	20	400	150
DIN-W	DIN 22102	18	400	90
DIN-Z	DIN 22102	15	350	250
AUS-A	AUS 1332	17	400	70
AUS-M	AUS 1332	24	450	125
AUS-N	AUS 1332	17	400	200
HEAT RESISTANCE				
HR-T1	IS 1891 (Part-II)	12.5	350	200
HR-T2	IS 1891 (Part-II)	12.5	350	200
UHR/HR-T3	KBPL Standard	10	350	200
HR-T4	KBPL Standard	12	400	150
FIRE RESISTANCE				
FR-1	IS 1891 (Part-V) & CAN CSA M22 M87/ Type C	17	350	175
FR-2	ISO-340	17	400	150
FR-MSHA	US MSHA	13	400	200
FR-SAR	KBPL Standard	17	350	100
OIL RESISTANCE				
OR-1	IS 1891 (Part-III)	12	250	
OR-Ediable	IS 1891 (Part-III)	12	250	
OHR	KBPL Standard	12	250	
OFR	KBPL Standard	12	300	
MOR	KBPL Standard	12	350	

GUIDELINES FOR TEXTILE PIPE CONVEYOR BELTS

Nominal Pipe Diameter (mm)	Belt Width (mm)	Minimum radius of Curvature for Horizontal and Vertical Curves	Minimum Transition Distance
150	600	Pipe outer diameter X 300	Pipe outer diameter X 30
200	700		
210	750		
220	800		
250	1000		
300	1100		
320	1200		
350	1300		
370	1400		
400	1500		
450	1600		

VULCANIZED SPLICE STEP LENGTH (mm)

Type	No. of Fabric Plies	Fabric Rating (KN/m)	Step Length(S) (Minimum in mm)
315/3	3	100	150
400/3	3	125	200
500/3	3	160	200
500/4	4	125	200
630/3	3	200	250
630/4	4	160	200
800/4	4	200	250
800/5	5	160	200
1000/4	4	250	300
1000/5	5	200	250
1250/4	4	315	350
1250/5	5	250	300
1600/4	4	400	400
1600/5	5	315	350
2000/5	5	400	400



BELT ROLL DIAMETER IN FT

Belt Thickness (mm)	Roll Length (mtr)													
	25	50	75	100	125	150	175	200	225	250	275	300	325	350
6	2.2	2.7	3.0	3.4	3.7	4.0	4.2	4.5	4.7	4.9	5.2	5.4	5.6	5.8
7	2.3	2.8	3.2	3.6	3.9	4.2	4.5	4.8	5.1	5.3	5.5	5.8	6.0	6.2
8	2.4	2.9	3.4	3.8	4.1	4.5	4.8	5.1	5.4	5.6	5.9	6.1	6.4	6.6
9	2.5	3.0	3.5	4.0	4.4	4.7	5.1	5.4	5.7	5.9	6.2	6.5	6.7	6.9
10	2.5	3.2	3.7	4.1	4.6	4.9	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.3
11	2.6	3.3	3.8	4.3	4.8	5.2	5.5	5.9	6.2	6.5	6.8	7.1	7.4	7.6
12	2.7	3.4	4.0	4.5	4.9	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.7	8.0
13	2.7	3.5	4.1	4.6	5.1	5.6	6.0	6.4	6.7	7.1	7.4	7.7	8.0	8.3
14	2.8	3.6	4.2	4.8	5.3	5.8	6.2	6.6	6.9	7.3	7.6	8.0	8.3	8.6
15	2.9	3.7	4.4	4.9	5.5	5.9	6.4	6.8	7.2	7.5	7.9	8.2	8.6	8.9
16	2.9	3.8	4.5	5.1	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.5	8.8	9.1
17	3.0	3.9	4.6	5.2	5.8	6.3	6.8	7.2	7.6	8.0	8.4	8.7	9.1	9.4
18	3.0	4.0	4.7	5.4	5.9	6.5	6.9	7.4	7.8	8.2	8.6	9.0	9.3	9.7
19	3.1	4.1	4.8	5.5	6.1	6.6	7.1	7.6	8.0	8.4	8.8	9.2	9.6	9.9
20	3.2	4.1	4.9	5.6	6.2	6.8	7.3	7.8	8.2	8.7	9.1	9.5	9.8	10.2
21	3.2	4.2	5.1	5.8	6.4	6.9	7.5	8.0	8.4	8.9	9.3	9.7	10.1	10.4
22	3.3	4.3	5.2	5.9	6.5	7.1	7.6	8.1	8.6	9.1	9.5	9.9	10.3	10.7
23	3.3	4.4	5.3	6.0	6.7	7.3	7.8	8.3	8.8	9.3	9.7	10.1	10.5	10.9
24	3.4	4.5	5.4	6.1	6.8	7.4	8.0	8.5	9.0	9.5	9.9	10.3	10.7	11.1
25	3.4	4.6	5.5	6.2	6.9	7.5	8.1	8.7	9.2	9.6	10.1	10.5	11.0	11.4

Note – Rolls packed in MS core | Note – All roll diameter are in ft

Note – roll diameter marked in yellow○are safe to transport | Roll diameter marked in green○are difficult to transport



KRISHNA BELTS PVT LTD

An ISO 9001:2015 certified company

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