WRAPPED BELTS

PIX Power Transmission Belts
RB International Belting & Automation
9890961752 | 9890340045
www.rbibelting.com

PIX-X'set® Wrap Construction Belts



Reference Standards:
- IS 2494, BS 3790, ISO 4184
- DIN 2215-1975
- RMA IP-22
- RMA IP-23
- DIN 7753

Application:
Industrial drives, generators, blowers, ball-mills, rolling mills, crushers, compressors, pumps, wet grinders, household appliances, cement industry, steel industry, etc.

CLASSICAL SECTION BELTS

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Min. Pulley Dia. (mm)	Mfg.Range		Belt Length Factor			Length Desig.
					Min.	Max.	Lp to La (mm)	Li to Lp (mm)	Li to La (mm)	
8	8.0	5.0	40	40	39"	171"	12	19	31	Li
Z	10.0	6.0	40	50	16"	172"	16	22	38	Li
A	13.0	8.0	40	71	16"	357"	14	36	50	Li
B	17.0	11.0	40	112	16"	926"	26	43	69	Li
20	20.0	13.0	40	160	31.5"	927"	31	48	79	Li
C	22.0	14.0	40	180	31"	927"	32	56	88	Li
25	25.0	16.0	40	250	57"	361"	39	61	100	Li
D	32.0	19.0	40	355	44.5"	928"	40	79	119	Li
E	38.0	23.0	40	500	90"	930"	53	92	145	Li

WEDGE SECTION BELTS

SPZ	10.0	8.0	40	63	479mm	4000mm	13	37	50	Lp
SPA	13.0	10.0	40	90	576mm	9113mm	18	45	63	Lp
SPB	17.0	14.0	40	140	1000mm	23580mm	28	60	88	Lp
19	19.0	15.0	40	180	2253mm	9137mm	25	69	94	Lp
SPC	22.0	18.0	40	224	1861mm	23654mm	30	83	113	Lp

NARROW SECTION BELTS

3V	9.7	8.0	40	63	19.5"	160"	13	37	50	La
5V	15.8	13.5	40	140	48"	929"	25	60	85	La
8V	25.4	23.0	40	335	101"	934"	53	92	145	La

LIGHT DUTY SINGLE V-BELTS

3L	9.7	5.6	40	45	17.5"	173.5"	16	22	38	La
4L	12.7	7.9	40	65	18"	359"	14	36	50	La
5L	16.7	9.7	40	91	21"	178"	26	43	69	La

Features:
- Special CR treated outer jacketing fabric for higher durability
- Anti-static, oil and heat resistant
- Maximum Belt linear speed (Classical section: Up to 30 m/Sec, Wedge section: up to 42 m/Sec, Narrow section: up to 45 m/Sec)
- Temperature range: -18°C to +80°C

- Intermediate sizes are available upon request
- Aramid cord construction Belts are available upon request

PIX-MUSCLE®-XS3 High-power, Maintenance-free, Wrap Belts



Reference Standards:
- BS 3790, ISO 4184
- RMA IP-22

Application:
Hot rolling mills, power plants, heat exchanger, compressors, vacuum pumps, grinders, kilns, blenders, paper & pulp industry, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Manufacturing Range		Length Designation
				Min.	Max.	
MF3-SPZ	10.0	8.0	40	479mm	4000mm	Lp
MF3-SPA	13.0	10.0	40	576mm	9113mm	Lp
MF3-SPB	17.0	14.0	40	1000mm	23580mm	Lp
MF3-SPC	22.0	18.0	40	1861mm	23654mm	Lp
MF3-3V	9.7	8.0	40	19.5"	160"	La
MF3-5V	15.8	13.5	40	48"	929"	La
MF3-8V	25.4	23.0	40	101"	934"	La

Features:
- **Extremely high power rating - up to 50% more than standard Belts**
- **High efficiency up to 98%**
- **Special cords for maintenance-free operation**
- Extended service life and less machine down-time
- Anti-static complies with ISO 1813
- Superior oil and heat resistance
- **REACH and RoHS compliant, provides an eco-friendly system**
- **Extended temperature range from -25°C to +100°C**

WRAPPED BELTS

PIX-Terminator®-XS Heavy-duty, High-power, Wrap Belts



Reference Standards:
- BS 3790, ISO 4184,
- RMA IP-22

Application:
Vibrating screens, reclaimers, pulverisers, heavy duty mixers, forestry woodcutters, wood chippers, surface miners, stackers, stone crushers, jaw crushers, cone crushers, ball-mills, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Min. Pulley Dia. (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
TR-A	13.0	8.0	40	90	16"	357"	Li
TR-B	17.0	11.0	40	112	16"	926"	Li
TR-C	22.0	14.0	40	180	31"	927"	Li
TR-SPA	13.0	10.0	40	90	576mm	9113mm	Lp
TR-SPB	17.0	14.0	40	140	1000mm	23580mm	Lp
TR-SPC	22.0	18.0	40	224	1861mm	23654mm	Lp
TR-3V	9.7	8.0	40	63	19.5"	160"	La
TR-5V	15.8	13.5	40	140	48"	929"	La
TR-8V	25.4	23.0	40	335	101"	934"	La

Features:
- **Superior power transmission capacity- Up to 55% more than the standard Belts**
- Especially treated outer tough fabric cover reduces sidewall wear rate and offers enhanced flexibility
- Special frictionless fabric and design to enhance heat dissipation rate
- **Special aramid cords for high tensile strength and minimum elongation**
- Designed to exhibit excellent durability, strength, abrasion and wear resistance
- **Superior performance under heavy shock and impulse loads**
- Extended temperature range: -25°C to +100°C

PIX-DUO®-XS Double-sided, Hexagonal Wrap Belts



Reference Standard:
- IS 11038-1984

Application:
Rice mills, husker machines, serpentine drives, poultry feather-pickers, dyeing units, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Min. Pulley Diameter (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
AA	13.0	10.0	40	80.0	46"	254"	Le
BB	17.0	14.0	40	125.0	40"	924"	Le
CC	22.0	17.0	40	224.0	73"	924"	Le
25	25.0	22.0	40	280.0	88"	925"	Le
DD	32.0	25.0	40	355.0	158″	900"	Le

Features:
- Enhanced product life
- **Transmits power from both sides of the Belt**
- **Centre cord provides excellent power transmission and low-stretch**
- Special design provides an excellent flexibility for serpentine drives
- Temperature range: -18°C to +80°C

- Intermediate sizes are available upon request

WRAPPED BELTS

PIX-FRAS®-XS Fire-resistant, Anti-static, Wrap Belts



Belt Type	Sections
Classical	FRAS-8, FRAS-Z, FRAS-A, FRAS-B, FRAS-20, FRAS-C, FRAS-25, FRAS-D, FRAS-E
Wedge	FRAS-SPZ, FRAS-SPA, FRAS-SPB, FRAS-19, FRAS-SPC
Narrow	FRAS-3V, FRAS-5V, FRAS-8V
Classical Banded	FRAS-HA, FRAS-HB, FRAS-HC, FRAS-HD
Wedge Banded	FRAS-HSPZ, FRAS-HSPA, FRAS-HSPB, FRAS-HSPC
Narrow Banded	FRAS-H3V, FRAS-H5V, FRAS-H8V

Reference Standards:
- ATEX Certified
- IS 2494 Part-II
- ISO 1813, BS 3790
- ISO 5290, ISO 5291
- ISO 4148, RMA IP-22
- DIN 7753, DIN 2215

Application:
Petrochemical industries, coal mines, fire-prone areas, gas stations, applications involving inflammable substances, etc.

Features:
- **Ensures high level of protection against fire hazards**
- **Fire resistance properties complies as per IS 2494 Part-II standard**
- **Anti-static values found 10 to 15 times superior than the maximum limit, as per ISO 1813**
- **ATEX certified**
- Resistance to emit inflammable substances, while in operation
- Longer service-life
- Anti-static, oil and heat resistant
- Extended temperature range: -25°C to +100°C

PIX-IGLOO®-XS Low-temperature Wrap Belts



Belt Type	Sections
Classical	IG-Z, IG-A, IG-B, IG-C
Wedge	IG-SPZ, IG-SPA, IG-SPB, IG-SPC
Narrow	IG-3V, IG-5V, IG-8V
Classical Banded	IG-HA, IG-HB, IG-HC
Wedge Banded	IG-HSPZ, IG-HSPA, IG-HSPB, IG-HSPC
Narrow Banded	IG-H3V, IG-H5V

Reference Standards:
- BS 3790, IS 2494, ISO 4184
- RMA IP-22, ISO 5290
- ISO 5291

Application:
Cooling tunnels, cold storages, low ambient temperature drives, etc.

Features:
- **Excellent performance while operating in extremely low ambient temperatures**
- **Longer service-life**
- Excellent crack resistance properties to ensure smooth operation in low temperature applications
- **Temperature range: -45°C to +80°C**

PIX-DryCover® Dry-cover Wrap Belts



Belt Type	Sections
Classical	DC-A, DC-B, DC-C, DC-D
Wedge	DC-SPZ, DC-SPA, DC-SPB, DC-SPC
Narrow	DC-3V, DC-5V
Light Duty Belts	DC-3L, DC-4L, DC-5L

Reference Standards:
- BS 3790
- RMA IP-22, RMA IP-23

Application:
Food industry, clutch drives, etc.

Features:
- **Frictionless cover, suitable for drives with clutching application**
- **Designed for applications, where dust formation is not acceptable**
- Available in aramid and polyester cord constructions
- Available in different colours - blue, green, brown, black and white
- Temperature range: -18°C to +80°C

WRAPPED BELTS

PIX-DuraBand®-XS Banded Wrap Belts



Reference Standards:
- ISO 5290, BS 3790
- RMA IP-22

Application:
Crushers, pulverisers, pulpers, compressors, vibrating screens, generators, rolling mills, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Pitch (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
HA	13.0	10.5	40	15.9	33"	255"	Li
HB	17.0	14.5	40	19.0	43"	900"	Li
HC	22.0	17.0	40	25.5	47"	923"	Li
HD	32.0	21.5	40	37.0	90"	923"	Li
HE	38.0	27.0	40	44.5	90"	922"	Li
HSPZ	10.0	10.0	40	12.0	1180mm	9080mm	Lp
HSPA	13.0	12.0	40	15.0	959mm	4439mm	Lp
HSPB	17.0	17.0	40	19.0	1762mm	9331mm	Lp
HSPC	22.0	22.5	40	25.5	1632mm	23527mm	Lp
H3V	9.7	10.5	40	10.3	45"	176"	La
H5V	15.8	16.5	40	17.5	50"	923"	La
H8V	25.4	25.0	40	28.6	100"	926"	La

Features:
- **Enhanced power transmission capacity up to 25%, compared to standard Belts**
- Lesser number of Belts is required as compared to multiple single-belt drive system
- Extended service-life
- **Top curvature provides superior adhesion and accelerated heat dissipation rate**
- **Controlled radial and lateral run-out, facilitates smooth operation**
- Anti-static, oil and heat resistant
- Temperature range: -18°C to +80°C

- Intermediate sizes are available upon request
- Aramid cord construction Belts are available upon request

PIX-MUSCLE®-HXS3 High-power, Maintenance-free, Banded Wrap Belts



Reference Standards:
- BS 3790, ISO 4184
- RMA IP-22

Application:
Hot rolling mills, power plants, heat exchanger, compressors, vacuum pumps, grinders, kilns, blenders, paper & pulp industry, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Pitch (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
MF3-HSPZ	10.0	10.0	40	12.0	1180mm	9080mm	Lp
MF3-HSPA	13.0	12.0	40	15.0	959mm	4439mm	Lp
MF3-HSPB	17.0	17.0	40	19.0	1762mm	9331mm	Lp
MF3-HSPC	22.0	22.5	40	25.5	1632mm	23527mm	Lp
MF3-H3V	9.7	10.5	40	10.3	45"	176"	La
MF3-H5V	15.8	16.5	40	17.5	50"	923"	La
MF3-H8V	25.4	25.0	40	28.6	100"	926"	La

Features:
- **Superior power transmission capacity up to 60% more than standard single Belts**
- **Especially engineered cords for maintenance-free operation**
- **Superior compound design for high thermal resistance and extended service-life**
- **Top curvature provides superior adhesion and accelerated heat dissipation rate**
- **Controlled radial and lateral run-out facilitates smooth operation**
- Anti-static oil and heat resistance
- **REACH and RoHS compliant, provides an eco-friendly system**
- **Extended temperature range from -25°C to +100°C**

WRAPPED BELTS

PIX-Terminator®-HXS Heavy-duty, High-power, Banded Wrap Belts



Reference Standards:
- BS 3790, ISO 5290, ISO 5291
- RMA IP-22

Application:
Vibrating screens, reclaimers, pulverisers, heavy duty mixers, forestry woodcutters, wood chippers, surface miners, stackers, stone crushers, jaw crushers, cone crushers, ball-mills, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Pitch (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
TR-HA	13.0	10.5	40	15.9	33"	255"	Li
TR-HB	17.0	14.5	40	19.0	43"	900"	Li
TR-HC	22.0	17.0	40	25.5	47"	923"	Li
TR-HSPA	13.0	12.0	40	15.0	959mm	4439mm	Lp
TR-HSPB	17.0	17.0	40	19.0	1762mm	9331mm	Lp
TR-HSPC	22.0	22.5	40	25.5	1632mm	23527mm	Lp
TR-H5V	15.8	16.5	40	17.5	50"	923"	La
TR-H8V	25.4	25.0	40	28.6	100"	926"	La

Features:
- **Superior power transmission capacity - Up to 70% more than standard single Belts**
- Especially treated outer tough fabric cover reduces sidewall wear rate and offers enhanced flexibility
- **Top curvature profile and special frictionless fabric to enhance the heat dissipation rate**
- **Special aramid cords for high tensile strength and minimum elongation**
- Designed to exhibit excellent durability, strength, abrasion and wear resistance
- **Best suited for heavy shock and impulse load drives**
- Extended temperature range: -25°C to +100°C

PIX-X'set®-VS Variable-speed Wrap Belts



Reference Standards:
- ISO 3410:1989 / BS 3733: 1974

Application:
Variable speed pulley drives requiring exact speed control and maximum range of speed changes, recreational equipment, machine tools, etc.

Section	Angle (Degree)	Manufacturing Range		Length Designation
		Min.	Max.	
25x13 / HI	30	1133 mm	6505 mm	Lp
32x15 / HJ	30	1192 mm	8240 mm	Lp
38x18 / HK	30	1500 mm	9170 mm	Lp
45x20 / HL	30	1608 mm	6663 mm	Lp
51x22 / HM	30	1891 mm	10088 mm	Lp
Non-standard sizes				
13x11	40	1067 mm	2057 mm	Li
15x9	40	572 mm	6452 mm	Li
19x11	40	1057 mm	3937 mm	Li
21x9	40	991 mm	1930 mm	Li
22x16	40	1727 mm	6553 mm	Li
30x12	30	1626 mm	6604 mm	Li
40x20	30	1727 mm	6579 mm	Li
55x22	30	1829 mm	6579 mm	Li
60x25	30	1854 mm	6579 mm	Li
68x24	32	2438 mm	9042 mm	Li

Features:
- **Excellent transverse rigidity and longitudinal flexibility to prevent bucking at minimum diameter settings, where Belt stress is more**
- Firm gripping action with the contact area; provides positive traction for precise speed control
- Higher power transmission capacity
- Longer service life
- Facilitates smooth running without excessive vibrations
- Temperature range: -18°C to +80°C

- Aramid cord construction Belts are available upon request

WRAPPED BELTS

PIX- Special-construction Wrap Belts



Application:
Food-grain, ceramic industry

PIX-ECHELON®-XS (PT-O)

Section	Top Width (mm)	Thickness (mm)	Top profile Thickness (mm)	Angle (Degree)	Mfg. Range		Length Desig.
					Min.	Max.	
PTO-A(13x13)	13.0	13.0	5.0	40	48"	356"	Li
PTO-B(17x14)	17.0	14.0	3.0	40	85"	923"	Li
PTO-B(17x16)	17.0	16.0	5.0	40	85"	923"	Li
PTO-C	22.0	17.0	3.0	40	149"	923"	Li
PTO-37 x 25	37.0	25.0	5.0	40	161"	900"	Li

Note: Belts with customised top-profile thickness, can be made available upon request



Application:
Ceramic and food industry

PIX-TEXTURA®-XS (PT-HC)

Section	Top Width (mm)	Thickness (mm)	Top profile Thickness (mm)	Angle (Degree)	Mfg. Range		Length Desig.
					Min.	Max.	
PTHC-B(17x17)	17.0	17.0	6.0	40	16"	926"	Li
PTHC-C(22x20)	22.0	20.0	6.0	40	31"	927"	Li



Application:
Ceramic industry

PIX-CERAMICA®-XS (PT-6)

Section	Top Width (mm)	Thickness (mm)	Top profile Thickness (mm)	Angle (Degree)	Mfg. Range		Length Desig.
					Min.	Max.	
PT6-B(17x22)	17.0	22.0	11.0	40	42"	357"	Li
PT6-B(17x26)	17.0	26.0	15.0	40	42"	357"	Li
PT6-C(22x25)	22.0	25.0	11.0	40	73"	923"	Li



Application:
Ceramic industry

PIX-X'press®-XS

Section	Top Width (mm)	Thickness (mm)	Top profile Thickness (mm)	Angle (Degree)	Mfg. Range		Length Desig.
					Min.	Max.	
PTX-20x12.5	20.0	15.0	2.5	40	48"	929"	Li



Application:
Carrot harvesters,
horticultural machines, etc.

PIX-EXTRACTOR®-XS (PT-7)

Section	Top Width (mm)	Thickness (mm)	Top profile Thickness (mm)	Angle (Degree)	Mfg. Range		Length Desig.
					Min.	Max.	
PT7-D(32x26)	32.0	26.0	7.0	40	142"	924"	Li
PT7-37(37x25)	37.0	25.0	7.0	40	116"	371"	Li

Features:

- Application-specific, robust Belt design
- Longer service-life
- High tensile strength with minimum elongation
- Excellent adhesion strength to eliminate top profile separation
- Designed for applications where power transmission and conveying of material is done simultaneously
- Temperature range: -18°C to +80°C
- Reference standard: PIX proprietary

WRAPPED BELTS

PIX-LawnMaster® Lawn Mower Wrap Belts



Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Mfg. Range		Length Designation
				Min.	Max.	
DCBU-3L	9.7	5.6	40	17.5"	173.5"	La
DCBU-4L	12.7	7.9	40	18"	359"	La
DCBU-5L	16.7	9.7	40	21"	178"	La

Reference Standard:
- RMA IP-23

Application:
Lawn and garden machinery

Features:
- **Aramid cords offer high tensile strength, high resistance to shock loads and minimum elongation**
- **Specially designed bare fabric, facilitates smooth clutching operation and high resistance to wear and tear**
- **Able to withstand high levels of reverse flexing**
- Resistance to oil, heat and cracking
- Temperature range: -18°C to +80°C

- Intermediate sizes and OEM parts are available upon request

PIX-ENFORCER®-XS High-power, High-strength, Inversely Flexible Wrap Belts



Section	Top Width (mm)	Thickness (mm)	Mfg. Range		Length Designation
			Min.	Max.	
RH80-A	13.0	8.0	46”	185”	Lp
RH80-B	17.0	10.0	46”	156”	Lp
RH80-C	22.0	11.0	46”	196”	Lp

Reference Standard:
- PIX proprietary

Application:
Rice harvesters, planters, lawn and garden machinery, etc.

Features:
- **Superior power transmission capacity as compared to standard Belts**
- Specially treated outer cover fabric for high wear resistance
- **Specially coated aramid cords for superior strength and offers minimum elongation**
- **Unique design in wrap construction to facilitate operation over smaller pulley diameters with acute reverse bends**
- Suitable for shock-load drives
- Longer service life
- Extended temperature range: -25°C to + 100°C

- Intermediate sizes are available upon request

PIX-VALIANT®-XS High-power, Inversely Flexible Wrap Belts



Section	Top Width (mm)	Thickness (mm)	Mfg. Range		Length Designation
			Min.	Max.	
RHR2-A	13.0	8.0	46”	185”	Lp
RHR2-B	17.0	10.0	46”	156”	Lp
RHR2-C	22.0	11.0	46”	196”	Lp

Reference Standard:
- PIX proprietary

Application:
Rice harvesters, planters, lawn and garden machinery, etc.

Features:
- **High power transmission capacity as compared to standard Belts**
- High tensile strength
- **Special design in wrap construction to facilitate operation over smaller diameter pulleys with acute reverse bend**
- Extended service-life
- Extended temperature range: -25°C to + 100°C

- Intermediate sizes are available upon request

WRAPPED BELTS

PIX-HARVESTER®-VS Agricultural Wrap Belts



Reference Standards:
- ISO 3410:1989 / BS 3733: 1974
- ASAE 211-3 & 4

Application:
Combine harvesters, straw walker drives, threshing drives, agriculture tillers, rippers, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Mfg. Range (mm)		Length Desig.
				Min.	Max.	
AG-HI	25.0	13.0	30	1162	6534	Le
AG-HJ	32.0	15.0	30	1225	8273	Le
AG-HK	38.0	18.0	30	1535	9205	Le
AG-HL	45.0	20.0	30	1650	6705	Le
AG-HM	51.0	22.0	30	1935	10132	Le

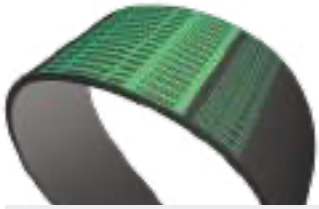
Non-standard sizes

AG-13x11	13.0	11.0	40	1065	2057	Li
AG-15x9	15.0	9.0	40	571	6451	Li
AG-19x11	19.0	11.0	40	1056	3937	Li
AG-21x9	21.0	9.0	40	990	1930	Li
AG-22x11	22.0	11.0	40	1067	8992	Li
AG-22x16	22.0	16.0	40	1727	6553	Li
AG-30x12	30.0	12.0	30	1626	6604	Li
AG-40x20	40.0	20.0	30	1727	6579	Li
AG-55x22	55.0	22.0	30	1829	6579	Li
AG-60x25	60.0	25.0	30	1854	6579	Li
AG-68x24	68.0	24.0	32	2438	9042	Li

Features:
- **Highly flexible, suitable for smaller diameter pulleys**
- **High power transmission than standard Belts**
- **High tensile strength**
- Excellent performance under variable load conditions
- Temperature range: -18°C to +80°C

- Aramid cord construction Belts are available upon request

PIX-HARVESTER®-AGF Agricultural Flat Belts



Reference Standard:
- PIX proprietary

Application:
Combine harvesters, paper industry, etc.

Section	Top Width (mm)	Thickness (mm)	Mfg. Range (mm)		Length Designation
			Min.	Max.	
75F	75.0	6.0	2692	8941	Li
80F	80.0	6.0	1956	6452	Li
95F	95.0	6.0	2692	8001	Li
100F	100.0	6.0	2159	8052	Li
114F	114.0	6.0	2692	8052	Li
120F	120.0	6.0	2692	8052	Li
125F	125.0	6.0	1727	6401	Li
127F	127.0	6.0	2692	8052	Li
135F	135.0	6.0	2692	8052	Li
140F	140.0	6.0	2692	8052	Li
150F	150.0	6.0	2692	8052	Li

Features:
- High abrasion resistant outer cover
- High tensile strength with minimum elongation
- Suitable for harvester traction drives
- Temperature range: -18°C to +80°C

- Intermediate sizes are available upon request

RAW EDGE COGGED BELTS

PIX-X'tra® Moulded Raw Edge Cogged Belts



Reference Standards:
- IS 2494, BS 3790, ISO 4184
- RMA IP 22
- RMA IP 23

Application:
Compressors, pumps, fans, vacuum pumps, blowers, generators, heat exchanger, industrial drives, etc.

CLASSICAL SECTION BELTS

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Min. Pulley Dia. (mm)	Mfg.Range		Belt Length Factor			Length Desig.
					Min.	Max.	Lp to La (mm)	Li to Lp (mm)	Li to La (mm)	
ZX	10.0	6.0	36	40.0	21.5"	200"	16	22	38	Li
AX	13.0	8.0	36	63.0	21.5"	200"	14	36	50	Li
BX	17.0	11.0	36	90.0	21.5"	200"	26	43	69	Li
CX	22.0	14.0	36	140.0	23.5"	200"	32	56	88	Li
DX	32.0	19.0	38	280.0	40.0"	200"	40	79	119	Li

WEDGE SECTION BELTS

XPZ	10.0	8.0	36	56.0	550mm	5000mm	13	37	50	Lp
XPA	13.0	10.0	36	71.0	550mm	5000mm	18	45	63	Lp
XPB	16.3	14.0	36	112.0	550mm	5000mm	28	60	88	Lp
XPC	22.0	18.0	38	180.0	600mm	6300mm	30	83	113	Lp

NARROW SECTION BELTS

3VX	9.7	8.0	38	56.0	21.5"	200"	13	37	50	La
5VX	15.8	13.5	38	112.0	21.5"	200"	25	60	85	La
8VX	25.4	23.0	38	254.0	90"	200"	53	92	145	La

LIGHT DUTY SINGLE V-BELTS

2LX	6.3	4.0	36	25.0	21.5"	200"	-	-	-	La
3LX	9.7	5.6	36	36.0	21.5"	200"	16	22	38	La
4LX	12.7	7.9	36	58.0	21.5"	200"	14	36	50	La
5LX	16.7	9.7	36	72.0	21.5"	200"	26	43	69	La

Features:
- **Higher power transmission capacity than Wrapped Belts**
- **Special cog design for enhanced flexibility and heat dissipation rate**
- **Suitable for drives using smaller diameter pulleys and high RPM**
- Anti-static, oil and heat resistant
- Maximum Belt linear speed (Classical section: up to 30 m/Sec, Wedge: up to 42 m/Sec, Narrow: up to 45 m/Sec)
- Temperature range: -25°C to +100°C

- Intermediate sizes are available upon request
- Aramid cord construction Belts are available upon request

PIX-MUSCLE®-XR3 High-power, Maintenance-free, Moulded Raw Edge Cogged Belts



Reference Standards:
- BS 3790, ISO 4184
- RMA IP-22

Application:
High temperature industrial drives, compressors, blowers, high power presses, hot rolling mills, textile machinery, ID fan, FD fans, excavators, pumps, generators, pulverisers, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Mfg. Range		Length Designation
				Min.	Max.	
MF3-XPZ	10.0	8.0	36	550mm	5000mm	Lp
MF3-XPA	13.0	10.0	36	550mm	5000mm	Lp
MF3-XPB	16.3	14.0	36	550mm	5000mm	Lp
MF3-XPC	22.0	18.0	38	600mm	5000mm	Lp
MF3-3VX	9.7	8.0	38	21.5"	200"	La
MF3-5VX	15.8	13.5	38	21.5"	200"	La

Features:
- **Exceptionally high power rating - up to 50% more than standard Belts**
- Special cog design facilitates enhanced flexibility and quicker heat dissipation
- High transmission efficiency up to 98%, providing optimum output
- **Maintenance-free property, less machine downtime and extended service life**
- Complies with ISO 1813 - for anti-static property
- **Space saving potential**
- **REACH and RoHS compliant, provides an eco-friendly system**
- Smooth operation with a minimum tension-drop
- **Temperature range from -35°C to +130°C**

RAW EDGE COGGED BELTS

PIX-MUSCLE®-XR4 High-power, Maintenance-free, Moulded Raw Edge Cogged Belts



Reference Standards:
- BS 3790, ISO 4184
- RMA IP-22

Application:
High temperature industrial drives, compressors, blowers, high power presses, hot rolling mills, textile machinery, ID fan, FD fans, excavators, pumps, generators, pulverisers, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Min. Pulley Dia. (mm)	Mfg. Range		Length Designation
					Min.	Max.	
MF4-XPZ	10.0	8.0	36	56	700 mm	5000 mm	Lp
MF4-XPA	13.0	10.0	36	71	700 mm	5000 mm	Lp
MF4-XPB	16.3	14.0	36	112	700 mm	5000 mm	Lp
MF4-XPC	22.0	18.0	38	180	700 mm	5000 mm	Lp
MF4-3VX	9.7	8.0	38	56	27.5”	200”	La
MF4-5VX	15.8	13.5	38	112	27.5”	200”	La

Features:
- **Superior service life ensuring higher returns on investment**
- **Extended temperature range from -50°C to +130°C for optimal performance in diverse applications**
- **Maintenance-free performance, resulting in minimal service costs**
- **Exceptionally high power rating over standard Belts**
- Special Belt surface design for superior flexibility and abrasion resistance
- High transmission efficiency up to 98%, resulting in enhanced productivity and reduced cost of ownership
- Special cog design for enhanced flexibility and rapid heat dissipation
- Complies with ISO 1813 for anti-static properties for enhanced operational safety
- Space saving potential, allows compactness in the drive
- REACH and RoHS compliant, enabling a sustainable ecosystem

PIX-DUO®-XV Double-cog, Variable-speed, Moulded Raw Edge Cogged Belts



Reference Standard:
- PIX proprietary

Application:
Textile machinery, milling machines, ring frames, etc.

Section	Top Width "TW" (mm)	Thickness "TH" (mm)	Angle "A" (Degree)	Mfg. Range "L"		Length Desig.
				Min.	Max.	
XX-TW TH A L	13.0 - 85.0	10.0 to 30.0	22 to 40	25.0"	200"	Li

Features:
- **Double-sided cog profile offers enhanced flexibility and higher heat dissipation rate**
- Excellent dimensional stability
- High lateral rigidity
- **Designed specially to perform smoothly over smaller diameter pulleys**
- Temperature range: -25°C to +100°C

PIX-DUO®-XR Double-cog, Hexagonal Moulded Raw Edge Cogged Belts



Reference Standard:
- IS 11038-1984

Application:
Husker machines, rice mills, serpentine drives, textile units, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Min. Pulley Diameter (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
AAX	13.0	10.0	36	60.0	31.5"	118.0"	Le
BBX	17.0	14.0	36	85.0	31.5"	200.0"	Le
CCX	22.0	17.0	36	130.0	39.5"	118.0"	Le

Features:
- **Highly flexible, suitable for small diameter pulleys**
- **High heat dissipation rate**
- **Power transmission from both sides of the Belt**
- Enhanced power rating compared to the standard hexagonal Belts
- Suitable for serpentine drives
- Anti-static, oil and heat resistant
- Temperature range: -25°C to +100°C

RAW EDGE COGGED BELTS

PIX-FRAS®-XR Fire-resistant, Anti-static, Moulded Raw Edge Cogged Belts



Belt Type	Sections
Classical	FRAS-ZX, FRAS-AX, FRAS-BX, FRAS-CX
Wedge	FRAS-XPZ, FRAS-XPA, FRAS-XPB, FRAS-XPC
Narrow	FRAS-3VX, FRAS-5VX, FRAS-8VX

Reference Standards:
- ATEX Certified
- IS 2494 Part-II
- ISO 1813
- BS 3790, ISO 4184
- RMA IP-22

Application:
Petrochemical industries, coal mines, fire-prone areas, gas stations, applications involving inflammable substances, etc.

Features:
- **Ensures high level of protection against fire hazards**
- **Fire resistance properties complies as per IS 2494 Part-II standard**
- **Anti-static values found 10 to 15 times superior than the maximum specified value, as per ISO 1813**
- **ATEX certified**
- Resistance to emit inflammable substances, while in operation
- Enhanced heat dissipation rate
- Superior performance over smaller diameter pulleys
- Longer service-life
- Temperature range: -25°C to +100°C

PIX-X'tra®-XP



Raw-Edge-Plain Belts

PIX-X'tra®-XL

Raw-Edge-Laminated Belts



Reference Standards:
- IS 2494, BS 3790, ISO 4184
- RMA IP-22
- RMA IP-23

Application:
Industrial equipment, agricultural machinery, lawnmowers, engine drives, etc.

CLASSICAL SECTION BELTS

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Min. Pulley Dia. (mm)	Mfg. Range		Belt Length Factor			Length Desig.
					Min.	Max.	Lp to La (mm)	Li to Lp (mm)	Li to La (mm)	
XP-ZX/XL-ZX	10.0	6.0	36	40.0	21.5"	200"	16	22	38	Li
XP-AX/XL-AX	13.0	8.0	36	63.0	21.5"	200"	14	36	50	Li
XP-BX/XL-BX	17.0	11.0	36	90.0	21.5"	200"	26	43	69	Li
XP-CX/XL-CX	22.0	14.0	36	140.0	23.5"	200"	32	56	88	Li
XP-DX/XL-DX	32.0	19.0	38	280.0	40.0"	200"	40	79	119	Li

WEDGE SECTION BELTS

XP-XPZ/XL-XPZ	10.0	8.0	36	56.0	550mm	5000mm	13	37	50	Lp
XP-XPA/XL-XPA	13.0	10.0	36	71.0	550mm	5000mm	18	45	63	Lp
XP-XPB/XL-XPB	16.3	14.0	36	112.0	550mm	5000mm	28	60	88	Lp
XP-XPC/XL-XPC	22.0	18.0	38	180.0	600mm	6300mm	30	83	113	Lp

NARROW SECTION BELTS

XP-3VX/XL-3VX	9.7	8.0	38	56.0	21.5"	200"	13	37	50	La
XP-5VX/XL-5VX	15.8	14.0	38	112.0	21.5"	200"	25	60	85	La
XP-8VX/XL-8VX	25.4	23.0	38	254.0	90"	200"	53	92	145	La

LIGHT DUTY SINGLE V-BELTS

XP-2LX/XL-2LX	6.3	4.0	36	25.0	21.5"	200"	-	-	-	La
XP-3LX/XL-3LX	9.7	5.6	36	36.0	21.5"	200"	16	22	38	La
XP-4LX/XL-4LX	12.7	7.9	36	58.0	21.5"	200"	14	36	50	La
XP-5LX/XL-5LX	16.7	9.7	36	72.0	21.5"	200"	26	43	69	La

Features:
- High power transmission capacity than Wrap Belts
- **Superior transverse stiffness and high wear resistant**
- **Multilayer fabric eliminates bottom-crack**
- Anti-static, oil and heat resistant
- Suitable for applications with back idlers
- Temperature range: -25°C to +100°C

- Intermediate sizes are available upon request
- Aramid cord construction Belts are available upon request

RAW EDGE COGGED BELTS

PIX-Spectra®-XR Centre-corded, Extremely Flexible, Raw Edge Laminated Belts



Section	Top Width (mm)	Thickness (mm)	Mfg. Range	
			Min.	Max.
CC-AX	12.7	8.5	24"	200"
CC-BX	15.5	11.0	24"	200"
CC-CX	22.0	14.0	51"	200"

Reference Standard:
- BS 3790

Application:
Used in multiple applications, where drive demands for high power and reverse bending properties

Features:
- **High power rating compared to standard Wrap Belts**
- **High tensile strength**
- **Improved flexibility and best suited for back idler applications**
- Superior Belt life
- Temperature range: - 25°C to +100°C

- Intermediate sizes are available upon request

PIX Power Transmission Belts
RB International Belting & Automation
9890961752 | 9890340045
www.rbibelting.com

PIX-DuraBand®-XR Banded, Moulded Raw Edge Cogged Belts



Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Pitch (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
HAX	13.0	10.0	36	15.9	23.5"	200"	Li
HBX	17.0	13.0	40	19.0	23.5"	200"	Li
HCX	22.0	16.0	36	25.5	23.5"	200"	Li
HXPZ	10.0	10.0	36	12.0	600mm	5000mm	Lp
HXPA	13.0	12.0	36	15.0	600mm	5000mm	Lp
HXPB	16.3	16.0	40	19.0	600mm	5000mm	Lp
HXPC	22.0	20.0	36	25.5	600mm	5000mm	Lp
H3VX	9.7	10.0	40	10.3	23.5"	200"	La
H5VX	15.8	16.0	38	17.5	23.5"	200"	La

Reference Standards:
- ISO 5290, BS 3790
- RMA IP 22

Application:
Compressors, generators, blowers, hot rolling mills, agitators, industrial fans, separators, etc.

Features:
- **Extended power transmission capacity up to 25% as compared to standard single Belts**
- Lesser number of Belts is required, compared to multiple single-Belt drive
- **Unique cog profile enhances the flexibility and heat dissipation rate**
- Extended service-life
- Anti-static, oil and heat resistant
- Temperature range: -25°C to +100°C

- Intermediate sizes are available upon request
- Aramid cord construction Belts are available upon request

RAW EDGE COGGED BELTS

PIX-MUSCLE®-HXR3 High-power, Maintenance-free, Banded Moulded Raw Edge Cogged Belts



Reference Standards:
- ISO 5290, ISO 5291, BS 3790
- RMA IP-22

Application:
High temperature industrial drives, compressors, blowers, high power presses, hot rolling mills, textile machinery, ID fan, FD fans, excavators, pumps, generators, pulverisers, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Pitch (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
MF3-HXPZ	10.0	10.0	36	12.0	600mm	5000mm	Lp
MF3-HXPA	13.0	12.0	36	15.0	600mm	5000mm	Lp
MF3-HXPB	16.3	16.0	36	19.0	600mm	5000mm	Lp
MF3-HXPC	22.0	20.0	36	25.5	600mm	5000mm	Lp
MF3-H3VX	9.7	10.0	36	10.3	23.5"	200"	La
MF3-H5VX	15.8	16.0	36	17.5	23.5"	200"	La

Features:
- **Superior power transmission capacity up to 60% more than standard single Belts**
- **Special cog design facilitates enhanced flexibility and quicker heat dissipation**
- High transmission efficiency up to 98%, providing optimum output
- **Maintenance-free property, less machine downtime and extended service life**
- Complies with ISO 1813 - for anti-static property
- **Space saving potential**
- **REACH & RoHS compliant, provides an eco-friendly system**
- Smooth operation with a minimum tension-drop
- **Temperature range from -35°C to +130°C**

- Belts are available in Muscle-HXR4 construction as well

PIX-X'tra®-XV Variable-speed, Moulded Raw Edge Cogged Belts



Reference Standards:
- RMA IP-25/1991
- ISO 3410:1989 (E) / ASAE S211-4

Application:
Variable speed pulley drives requiring exact speed control and maximum range of speed changes, recreational equipment, machine tools, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Mfg. Range (mm)		Belt Length Factor		
				Min.	Max.	Lp to La (mm)	Li to Lp (mm)	Li to La (mm)
22V-A22/1422V	22.0	8.0	22	550.0	5000.0	15.0	35.0	50
30V-A22/1922V	30.0	10.0	22	550.0	5000.0	20.0	42.0	62
37V-A22/2322V	37.0	11.0	22	550.0	5000.0	23.0	46.0	69
30V-A26/1926V	30.0	11.0	26	550.0	5000.0	23.0	46.0	69
46V-A26/2926V	46.0	13.0	26	550.0	5000.0	27.0	55.0	82
51V-A26/3226V	51.0	13.0	26	550.0	5000.0	27.0	55.0	82
40V-A30/2530V	40.0	15.0	30	635.0	5000.0	30.0	65.0	95
51V-A30/3230V	51.0	16.0	30	635.0	5000.0	33.0	67.0	100
70V-A30/4430V	70.0	18.0	30	635.0	5000.0	37.0	77.0	114
64V-A36/4036V	64.0	18.0	36	635.0	5000.0	37.0	77.0	114
70V-A36/4436V	70.0	18.0	36	635.0	5000.0	37.0	77.0	114
76V-A36/4836V	76.0	19.0	36	635.0	5000.0	39.0	81.0	120
(Reference Standards: ISO 3410:1989 (E) / ASAE S211-4)								
XHG	17.0	8.0	26	550.0	5000.0	15.0	35.0	50.0
XHH	20.0	10.0	26	550.0	5000.0	20.0	42.0	62.0
XHI	25.0	13.0	26	550.0	5000.0	27.0	55.0	82.0
XHJ	32.0	15.0	26	750.0	5000.0	30.0	65.0	95.0
XHK	38.0	18.0	26	750.0	5000.0	37.0	77.0	114.0
XHL	45.0	20.0	26	750.0	5000.0	40.0	82.0	122.0
XHM	51.0	22.0	26	750.0	5000.0	45.0	90.0	135.0
XHN	57.0	24.0	26	750.0	5000.0	50.0	100.0	150.0
XHO	64.0	25.0	26	750.0	5000.0	53.0	106.0	159.0

Non-standard Sections

Special	6 to 85	5 to 30	22 to 40	21.5" Li	200" Li	Variable	Variable	Variable

Features:
- **Excellent transverse rigidity and longitudinal flexibility to prevent bucking over minimum diameter pulleys**
- Superior grip to avoid slippage while operating under frequent speed variations
- Longer service-life
- **Facilitates smooth running without excessive vibrations**
- Temperature range: -25°C to +100°C

- Intermediate sizes are available upon request
- Aramid cord construction Belts are available upon request

RAW EDGE COGGED BELTS

PIX-HARVESTER®-XV Agricultural Moulded Raw Edge Cogged Belts



Reference Standards:
- ISO 3410:1989 (E) / ASAE S211-4

Application:
Combine harvesters, straw walker drives, threshing drives, agriculture tillers, rippers, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Mfg. Range (mm)		Belt Length Factor		
				Min.	Max.	Lp to La (mm)	Li to Lp (mm)	Li to La (mm)
AG-XHG	17.0	8.0	26	550.0	5000.0	15.0	35.0	50.0
AG-XHH	20.0	10.0	26	550.0	5000.0	20.0	42.0	62.0
AG-XHI	25.0	13.0	26	550.0	5000.0	27.0	55.0	82.0
AG-XHJ	32.0	15.0	26	750.0	5000.0	30.0	65.0	95.0
AG-XHK	38.0	18.0	26	750.0	5000.0	37.0	77.0	114.0
AG-XHL	45.0	20.0	26	750.0	5000.0	40.0	82.0	122.0
AG-XHM	51.0	22.0	26	750.0	5000.0	45.0	90.0	135.0
AG-XHN	57.0	24.0	26	750.0	5000.0	50.0	100.0	150.0
AG-XHO	64.0	25.0	26	750.0	5000.0	53.0	106.0	159.0

Features:
- **Specially designed for applications using smaller diameter pulleys**
- **Highly flexible and accelerated heat dissipation rate**
- Excellent performance under variable load conditions
- Temperature range: -25°C to +100°C

- Special double-sided, cog variator Belts are available upon request
- Intermediate sizes are available upon request
- Aramid cord construction Belts are available upon request

PIX-DOMINATOR®-XR High-power, High-strength, Moulded Raw Edge Cogged Belts



Reference Standard:
- PIX proprietary

Application:
Rice harvesters

Section	Top Width (mm)	Thickness (mm)	Mfg. Range		Length Designation
			Min.	Max.	
RH10-BX	17.0	10.0	22”	85”	Lp
RH10-CX	22.0	11.0	22”	85”	Lp

Features:
- **Superior high power transmission capacity**
- **Aramid cord reinforcement for high tensile strength**
- Lower elongation and slippage
- **Excellent performance under heavy shock load conditions**
- Superior lateral rigidity and longitudinal flexibility
- Suitable for drives with small pulley diameters
- Suitable for heavy duty, high speed applications
- Anti-static, oil and heat resistant
- Temperature range: -25°C to + 100°C

RIBBED / POLY-V BELTS

PIX-X'ceed® Ribbed / Poly-V Belts



Reference standards:
- RMA IP-26, ISO 9982
- DIN 7867

Application:
Crude oil pumps, spreaders, seeding machines, vegetable crushers, household appliances, washing machines, dryers, machine tools, grinders, etc.

Section	Thickness (mm)	Rib Pitch (mm)	Min. Pulley Diameter (mm)	No. of possible Ribs	Manufacturing Range	Length Desig.
PH	2.9	1.60	13.0	2 to 330	280mm to 2600mm	Le
PJ	3.8	2.34	20.0	2 to 235	280mm to 5000mm	Le
PK	4.5	3.56	45.0	2 to 150	280mm to 5000mm	Le
PL	7.6	4.70	75.0	2 to 110	500mm to 5000mm	Le
				2 to 78	> 5001mm to 12000mm	
PM	13.3	9.40	180.0	2 to 52	950mm to 5000mm	Le
				2 to 38	> 5001mm to 12000mm	

Features:
- High power transmission capacity
- **Suitable for small pulley diameters**
- **Maximum Belt linear speed up to 60 m/Sec**
- **Highly flexible, noise-free and smooth running**
- Suitable for speed ratios up to 1:30
- Anti-static oil and heat resistant
- Temperature range: -25°C to +100°C

PIX-DUO®-XC Double-sided Poly-V Belts



Reference standards:
- RMA IP-26
- ISO 9982

Application:
Flour mills, serpentine drives, textile machinery, engines, industrial compressors, gardening equipment, etc.

PIX-DUO®-XC:
DPK: 2 to 13 ribs, DPL: 2 to 28 ribs

Manufacturing range:
DPK Section: 1195 mm to 3255 mm
DPL Section: 1195 mm to 3070 mm

Features:
- Highly flexible and reduced bending stress
- Suitable for smaller pulley diameters
- Optimum performance even over higher speed
- **Suitable for the drives with pulleys rotating in clockwise and anti-clockwise directions**
- **Twin contact surface area, power transmission through both sides of the Belt**
- Temperature range: -25°C to +100°C

PIX-FRAS®-XC Fire-resistant, Anti-static, Poly-V Belts



Reference standards:
- ATEX Certified
- IS 2494 Part-II
- ISO 1813
- RMA IP-26, ISO 9982
- DIN 7867

Application:
Petrochemical industries, coal mines, fire-prone areas, gas stations, applications involving inflammable substances, etc.

Belt Type	Sections
Poly-V	FRAS-PJ
Poly-V	FRAS-PK
Poly-V	FRAS-PL
Poly-V	FRAS-PM

Features:
- **Ensures high level of protection against fire hazards**
- **Fire resistant and anti-static properties as per ISO 1813**
- **ATEX certified**
- Suitable for high speed serpentine drives using smaller diameter pulleys
- Temperature range: -25°C to +100°C

RIBBED / POLY-V BELTS

PIX-THERMAL®-XC High-temperature Poly-V Belts



Belt Type	Sections
Poly-V	HT-PJ
Poly-V	HT-PK
Poly-V	HT-PL

Reference standards:
- RMA IP-26
- ISO 9982, DIN 7867

Application:
Lawn mowers, dryers, wet grinders, washing machines, generators, etc.

Features:
- **High power transmission capacity**
- Suitable for small pulley diameters
- **Maximum Belt linear speed up to 60 m/Sec**
- Extended service-life
- **High temperature resistant from: -35°C to +130°C**

PIX-PolyStretch®-XC Elasticated Poly-V Belts



Section	Thickness (mm)	Rib Pitch (mm)	No. of possible Ribs	Manufacturing Range	Length Desig.
M-PS-PJ (Moulded)	3.3	2.34	2 to 210	300mm to 2500mm	Le
PS-PJ	3.5	2.34	2 to 220	300mm to 1400mm	Le
M-PS-PH (Moulded)	2.9	1.60	2 to 305	300mm to 2500mm	Le

Reference standards:
- RMA IP-26
- ISO 9982

Application:
Washing machines, dryers, fitness equipment, etc.

Features:
- **Low noise levels**
- **Self-tensioning property, maintains the Belt tension throughout its service-life**
- Enhanced power transmission because of optimum contact area
- **Easy installation**
- Increased service-life
- **Moulded Belts offer superior dimensional stability**
- Temperature range: -25° to +100°C

- Moulded Belt-range is exhaustive. Specific Belt length can be manufactured, based upon the availability of mould

PIX-TopCoat®-XC Packaging Machinery Poly-V Belts



Belt Section	No. of Possible Ribs	Top Coat Thickness (mm)	Mfg. Range	
			Min.	Max.
TCP-PJ	6 to 220	4,6,8 & 10	700 mm	2000 mm
TCP-PK	5 to 144	4,6,8 & 10	700 mm	2000 mm
TCP-PL	4 to 109	4,6,8 &10	700 mm	3700 mm

Reference standard:
- RMA IP-26, ISO 9982

Application:
Cable & plastic tube extruders, bottling plants, etc.

Features:
- **Construction comprises of application-specific, profile-top rubber**
- Facilitates excellent cushioning coupled with extra elasticity, with the contact material
- Excellent flexibility to prevent, premature cracks or tearing
- **Optimum friction, suitable for providing proper support to the contact material**
- **Vulcanized as a single piece to ensure excellent adhesion**
- Abrasion resistant
- Longer service-life
- Temperature range: -25°C to +70°C

- It is recommended that the Belt selection should strictly be done on the basis of temperature, top coat hardness and application requirement
- Also available with 65 shore hardness (Black colour)

TIMING / SYNCHRONOUS BELTS

PIX-X'act® Timing / Synchronous Belts



Reference standards:
- ISO 13050
- ISO 5294, ISO 5296

Application:
Robotic machines, textile machinery, CNC machines, printers, scanners, currency counting machines, etc.

PIX-X'act® CT (CLASSICAL SECTION BELTS)

Section	Pitch (mm)	Tooth Height (mm)	Belt Thickness (mm)	Mfg. Range		Sleeve Width (mm)	Length Desig.
				Min.	Max.		
MXL	2.032	0.51	1.14	2.1"	177.1"	450	Lp
XXL	3.175	0.76	1.52	5.0"	21.90"	450	Lp
XL	5.080	1.27	2.30	4.4"	212.8"	465	Lp
L	9.525	1.91	3.60	6.7"	270.0"	465	Lp
H	12.700	2.29	4.30	14.5"	272.0"	465	Lp
XH	22.225	6.35	11.20	46.3"	227.5"	430	Lp
XXH	31.750	9.53	15.70	62.5"	200.0"	430	Lp

PIX-X'act® STD (SUPER TORQUE DRIVE BELTS)

S 2M	2.00	0.76	1.36	60mm	3700mm	450	Lp
S 3M	3.00	1.14	2.20	120mm	6510mm	450	Lp
S 5M	5.00	1.91	3.40	150mm	4000mm	465	Lp
S 8M	8.00	3.05	5.30	376mm	6640mm	460	Lp
S 14M	14.00	5.30	10.20	714mm	5012mm	440	Lp

PIX-X'act® HTD (HIGH TORQUE DRIVE BELTS)

2M	2.00	0.75	1.36	52mm	750mm	450	Lp
3M	3.00	1.17	2.40	60mm	6804mm	450	Lp
5M	5.00	2.06	3.80	180mm	3750mm	465	Lp
8M	8.00	3.48	6.00	184mm	6880mm	460	Lp
14M	14.00	6.02	10.00	812mm	8120mm	420	Lp

Features:
- High efficiency due to positive engagement between the Belt teeth and pulley grooves
- Fiber glass cords provide excellent strength, flex life and high resistance to elongation
- Exact power transmission
- Improved stress distribution
- Temperature range: -25°C to +100°C

• These sizes are indicative, denotes the minimum and maximum range. Intermediate sizes are available upon request

PIX-TorquePlus®-XT2 High-power, Timing Belts



Reference standard:
- ISO 13050

Application:
Food processing machines, paper & packaging machines, printing machines, robotic equipment, conveyors, office equipment, medical equipment, dough mixers, textile machines, etc.

Section	Pitch (mm)	Tooth Height (mm)	Belt Thickness (mm)	Mfg. Range		Sleeve Width (mm)	Length Desig.
				Min.	Max.		
TP2-5M	5.0	2.06	3.8	300mm	2250mm	465	Lp
TP2-8M	8.0	3.48	6.0	344mm	4464mm	460	Lp
TP2-14M	14.0	6.02	10.0	966mm	4578mm	420	Lp
TP2-S5M	5.0	1.91	3.4	350mm	2525mm	460	Lp
TP2-S8M	8.0	3.05	5.3	376mm	3200mm	460	Lp

Features:
- **50% to 70% enhancement in power-rating over PIX-X'act® HTD/STD Belts**
- Higher angular speed, resistance to loads and low noise
- Optimum operational efficiency and augmented Belt life
- **Lower operational cost**
- **Anti-static properties as per ISO 9563**
- Oil and heat resistance
- Temperature range -25°C to +100°C

TIMING / SYNCHRONOUS BELTS

PIX-Thermal®-XT2 High-power, EPDM Timing Belts



Reference standard:
- ISO 13050

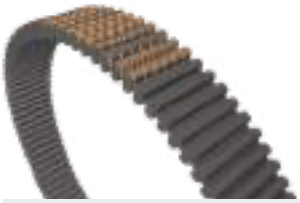
Application:
Food processing machines, paper & packaging machines, printing machines, robotic equipment, conveyors, office equipment, medical equipment, dough mixers, textile machines, etc.

Section	Pitch (mm)	Tooth Height (mm)	Belt Thickness (mm)	Mfg. Range		Sleeve Width (mm)	Length Desig.
				Min.	Max.		
HT-TP2-5M	5.00	2.06	3.80	300mm	2250mm	460	Lp
HT-TP2-8M	8.00	3.48	6.00	344mm	4464mm	460	Lp
HT-TP2-14M	14.00	6.02	10.00	966mm	4578mm	420	Lp
HT-TP2-S5M	5.00	1.91	3.40	350mm	2525mm	460	Lp
HT-TP2-S8M	8.00	3.05	5.30	376mm	3200mm	460	Lp

Features:
- **Superior power transmission over PIX-TorquePlus®-XT2 Belts**
- Higher angular speed, resistance to loads and low noise
- Optimum operational efficiency and augmented Belt life
- Lower operational cost
- Anti-static properties as per ISO 9563
- **Ozone resistance**
- **Temperature range -35°C to 130°C**

- Belts are having limitations with respect to oil resistance. Not to be used where drive is exposed to oil contamination

PIX-Duo®-XT Double-sided Timing Belts



Reference standards:
- ISO 13050, ISO 5296

Application:
Textile units, paper packaging & printing machines, lawn & garden, hand-held power tools, food processors, office equipment, currency counting machines, medical diagnostic equipment, vending machines, robotics, vacuum cleaners, etc.

Section	Pitch (mm)	Tooth Height (mm)	Belt Thickness (mm)	Mfg. Range		Length Designation
				Min.	Max.	
DA-XL	5.080	1.27	3.05	20.0"	58.0"	Lp
DA-L	9.525	1.91	4.58	18.7"	66.0"	Lp
DA-H	12.700	2.29	5.96	20.0"	272.0"	Lp
DA-3M	3.000	1.17	3.10	501mm	1401mm	Lp
DA-5M	5.000	2.06	5.26	400mm	2050mm	Lp
DA-8M	8.000	3.48	8.17	512mm	4400mm	Lp
DA-14M	14.000	6.02	14.8	1400mm	6860mm	Lp
DA-S5M	5.000	1.91	5.00	410mm	1420mm	Lp
DA-S8M	8.000	3.05	7.50	512mm	6640mm	Lp

Features:
- **Facilitates power transmission from both sides of the Belt**
- **Highly flexible**
- Extended stability, durability, strength and life
- Temperature range: -25°C to +100°C

- DA-8M and DA-S8M Belt sections are available in PIX-TorquePlus®-XT2 (High-power) construction also

PIX-Sentinel FFP®-XT2 Fin-fan Timing Belts



Reference standard:
- ISO 13050

Application:
Air-cooled heat exchanger (Fin-Fan), etc.

Size	Pitch Length (mm)	Top Width (mm)
FFP-2800 14M 55	2800	55.0
FFP-3150 14M 55	3150	55.0
FFP-3360 14M 55	3360	55.0
FFP-3500 14M 55	3500	55.0
FFP-3850 14M 55	3850	55.0
FFP-4326 14M 55	4326	55.0
FFP-4578 14M 55	4578	55.0

Features:
- High tensile strength
- Higher power transmission capacity compared to standard Belts
- **Negligible elongation to meet vertical drive requirements**
- **Reliable dimensional stability**
- High abrasion resistance
- **Anti-static properties as per ISO 9563**
- **Temperature range: -35°C to +130°C**

- Belts can be cut to different widths as per requirement

TIMING / SYNCHRONOUS BELTS

PIX-TorquePlus®-XT2 Cotton-cleaner Timing Belts



Reference standard:
• PIX proprietary

Application:
Cotton-cleaner, cotton-gin machines, etc.

Size	Number of Teeth	Pitch Length	Top Width	Thickness (mm)
61CCB142	60	61"	1.5"	11.2
63CCB165	63	63"	1.5"	11.2
64CCB170	64	64"	1.5"	11.2
65CCB175	65	65"	1.5"	11.2
63CCB165-2.5	63	63"	2.5"	11.2

Features:
- **Specially treated glass cords offer high tensile strength and superior adhesion**
- **Excellent fatigue resistant compound**
- Extended service-life
- Oil, heat and ozone resistant
- **Special dimensions for specific applications**

PIX-TopCoat®-XT Packaging Machinery Timing Belts



Reference standards:
• ISO 5296

Application:
Vertical form-fill and seal machine, packaging machines, soap and cosmetics industry, ceramic industry, bottling plants, etc.

Section	Top Coat Thickness (mm)	Top Width (mm)	Length Range (mm)
TCT-L, H	4,6,8	18 to 450	530 to 2000

Features:
- **Construction comprises of profile-top-rubber, which is application-specific**
- Provides excellent cushioning coupled with extra elasticity
- Excellent flexibility to withstand cracking or tearing
- **Offers optimum friction to support the contact material**
- Vulcanized as a single piece to ensure excellent adhesion
- High abrasion resistance
- Excellent life
- **Joint free, continuous top-profile**
- Temperature range: -25°C to +70°C

• Top Coat Belts are also available in 5M, S5M, 8M and S8M Timing Belt sections.

PIX-BRAWN®-XT Hybrid, Timing+Poly-V Belts



Reference standards:
• RMA/MPTA IP-26, ISO 13050

Application:
Flour and rice mills, food-grain machinery, etc.

Timing Belt Section	No. of Ribs		Length Range (mm)
	PK	PL	
8M	6 to 126	6 to 95	1200 - 4400
S8M	6 to 126	6 to 95	1200 - 3200
14M	6 to 117	6 to 88	1200 - 4578

Features:
- **Combines the advantages of Timing and Poly-V Belts**
- Transverse teeth for positive engagement on one side and longitudinal ribs for non-synchronous frictional transmission on other side
- **Suitable for multi-shaft transmission with reversed rotary directions of pulleys**
- Specially treated Aramid cords for high tensile strength and adhesion
- Anti-static, oil and heat resistant
- **Noise-free transmission**
- Operating temperature range -35°C to +130°C

• Belts can be made available with aramid cord construction upon request

TIMING / SYNCHRONOUS BELTS

PIX-X'pedient®-XT Polyurethane Belts



Reference standards:
- ISO 17396, DIN 7721

Application:
Office automation equipment, vending machines, machine tools and pumps, textile machines, paper moulding and printing machinery, medical equipment, optical instruments, food processing units, packaging machinery, robotics, plotters, etc.

Section	Pitch (mm)	Tooth Height (mm)	Belt Thickness (mm)	Manufacturing Range	Length Designation
T5	5.0	1.2	2.2	T5-120 to T5-1955	Lp
AT5	5.0	1.2	2.7	AT5-225 to AT5-2000	Lp
T10	10.0	2.5	4.5	T10-250 to T10-3330	Lp
AT10	10.0	2.5	4.5	AT10-250 to AT10-2350	Lp

Features:
- Highly flexible coupled with longitudinal toughness to ensure perfect tooth meshing
- No dust generation or flaking, while in operation
- **Homogeneous throughout its cross-section by virtue of thermoset moulding process**
- Superior wear and abrasion resistance
- High resistance to oil and grease
- **Excellent resistance to ageing, UV and ozone**
- Low vibrations and reduced noise levels
- Operating temperature range: -30°C to +80°C (up to +110°C for a short period)

- These sizes are indicative and denotes the minimum and maximum range, for Intermediate sizes please get in touch with us at info@pixtrans.com. Premium polymer construction Belts are available, upon request.

AUTOMOTIVE BELTS

PIX-FORCE® Automotive, Moulded Raw Edge Cogged Belts



Reference standards:
- BS ISO-5287, DIN 7753-3
- SAE J 636, JASO E 107

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Mfg. Range		Length Designation
				Min.	Max.	
X9.5 / AVX10	10.0	8.0	36	550mm	5000mm	La
X12.5 / AVX13	13.0	10.0	36	550mm	5000mm	La
X10A	10.5	8.0	36	550mm	5000mm	Le
X11A	11.5	8.0	36	550mm	5000mm	Le
X13A	13.5	9.0	36	550mm	5000mm	Le
X15A	17.0	10.5	38	550mm	5000mm	Le
X17A	18.5	11.0	36	550mm	5000mm	Le
X20A	21.5	12.5	36	550mm	5000mm	Le
XV10	10.5	8.0	38	550mm	5000mm	Le
XV13	13.0	9.0	38	550mm	5000mm	Le
XV15	17.0	10.5	36	550mm	5000mm	Le
XV20	22.00	13.0	36	550mm	5000mm	Le

PIX-FORCE®-HXR Automotive, EPDM, Moulded Raw Edge Cogged Banded Belts



Reference standards:
- DIN 7753-3, ISO 2790
- JASO E 107

Application:
Automotive engines, alternators, compressors, water pumps, fans, power-steering pumps, etc.

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Pitch (mm)	Mfg. Range		Length Desig.
					Min.	Max.	
HAVX10	10.0	10.0	36	12.6	600mm	5000mm	La
HAVX13	13.0	12.0	36	15.9	600mm	5000mm	La
HXV15	17.0	11.0	36	20.0	600mm	5000mm	La
HAX-AZ	13.0	10.0	36	15.9	600mm	5000mm	La
HBX-AU	17.0	13.0	36	19.0	600mm	5000mm	La

Features:
- **Best suited for next-generation, high speed engines**
- Cog profile offers enhanced flexibility and superior heat dissipation rate
- Higher power transmission capacity, best suited for smaller diameter pulleys
- **Engineered and chemically treated, low-stretch tensile cords for conveying higher loads, without stretch**
- Compounded for better grip and lateral rigidity
- Excellent resistance to oil and heat
- Suitable for HEMM (Heavy earth moving machinery) applications
- Temperature range: -45°C to +120°C

AUTOMOTIVE BELTS

PIX-FORCE®-XRU Dual-cog, Moulded Raw Edge Cogged, CVT Belts



Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Mfg. Range		Length Designation
				Min.	Max.	
XRU-AVX10	10.0	8.0	36	700mm	3000mm	La
XRU-AVX13	13.0	10.0	36	700mm	3000mm	La

Reference standards:
- DIN 7753-3, SAE J 636, JASO E 107

Application:
Automotive engines, alternators, compressors, water pumps, fans, power steering pumps, etc.

Features:
- Highly engineered surface-cog profile improves flexibility and allows the Belt to operate optimally in compact and challenging operating conditions
- Expansive temperature range of -35°C to +130°C, allows the Belt to operate at extreme temperatures
- Enhanced heat dissipation rate facilitates superior operational life compared to standard automotive Belts
- Dimensional stability with increased grip and lateral rigidity resulting in higher drive efficiency
- Complies with ISO-1813 (Antistatic guidelines)
- REACH & RoHS compliant ensure Belts are eco-friendly while providing for improved sustain ability

PIX Power Transmission Belts
RB International Belting & Automation
9890961752 | 9890340045
www.rbibelting.com

PIX-FORCE® Automotive Series Belts



Product Code	Top Width (mm)	Thickness (mm)	Angle (degree)	Mfg. Range		Length Designation
				Min.	Max.	
RCP-2XXX	10.0	8.0	36	550mm	3000mm	La
RCP-3XXX	12.5	9.0	36	550mm	3000mm	Lp
RCP-5XXX	17.0	11.0	36	550mm	3000mm	Lp
RCP-7XXX	22.0	13.0	36	550mm	3000mm	Lp
RECPF-1XXX	10.5	8.0	38	550mm	3000mm	Le
RECPF-6XXX	13.0	8.0	38	550mm	3000mm	Le
RECPF-8XXX	17.0	11.0	38	550mm	3000mm	Le
RECPF-9XXX	22.5	13.0	38	550mm	3000mm	Le

Reference standard:
- PIX Proprietary

Application:
Automotive engines, alternators, compressors, water pumps, fans, power-steering pumps, etc.

Features:
- **Suitable for high speed engines**
- **Cog profile offers higher flexibility and quick heat dissipation**
- Engineered and chemically treated modulus and low stretch tensile cords for higher load and maintenance-free operation
- Offers high power transmission over smaller pulley diameters
- **Special compression rubber for high lateral rigidity**
- **EPDM rubber for high temperature resistance -45°C to +120°C**

AUTOMOTIVE BELTS

PIX-FORCE® Automotive, Ribbed / Poly-V Belts



Section	Thickness (mm)	Rib Pitch (mm)	Minimum Pulley Diameter (mm)	Mfg. Range		Length Designation
				Min.	Max.	
PK	4.5	3.56	45	280mm	5000mm	Le
DPK	7.0	3.56	50	1195mm	3255mm	Le

Reference standards:
- ISO 9981, RMA IP 26
- JASO E-109

Application:
Automotive engines, alternators, compressors, water pumps, fans, power-steering pumps, etc.

Features:
- **Special EPDM high compression compound for enhanced dimensional stability, minimal vibrations and reduced noise levels**
- Enhanced performance in extreme temperature conditions because of special thermal resistance compound, where temperature ranges from -35°C to +130°C
- **Special fibre-loaded compound offers enhanced product life**
- High power-rated Belts for improved performance over higher load and speed conditions
- Oil and heat resistant, suitable for HEMM applications
- Superior ozone, steam, water and acid resistance to minimise early ageing and crack formation

PIX-PolyStretch®-XC Elasticated Poly-V Belts



Section	Thickness (mm)	Rib Pitch (mm)	No. of possible Ribs	Manufacturing Range	Length Desig.
M-PS-PK (Moulded)	4.5	3.56	2 to 140	300mm to 2500mm	Le
PS-PK	4.5	3.56	2 to 20	720mm to 2500mm	Le

Reference standards:
- RMA IP-26, ISO 9982
- JASO E-109

Application:
Automotive engines

Features:
- **Low noise levels**
- **Self-tensioning property, maintains the Belt tension throughout its service-life**
- Enhanced power transmission because of optimum contact area
- **Easy installation**
- Increased service-life
- **Moulded Belts offer superior dimensional stability**
- Temperature range: -25°C to 110°C

- Moulded Belt-range is exhaustive. Specific Belt length can be manufactured, based upon the availability of mould

PIX-FORCE® Automotive, Synchronous / Timing Belts



Section	Pitch (mm)	Teeth Height (mm)	Belt Thickness (mm)	Manufacturing Range
ZA	9.525	1.91	4.1	88 ZA, 104 ZA, 111 ZA
ZB	9.525	2.29	4.5	137 ZB
ZH	9.525	3.50	5.5	89 ZH, 97 ZH, 104 ZH, 106 ZH, 109 ZH, 114 ZH, 123 ZH, 129 ZH, 136 ZH, 138 ZH, 153 ZH
PR	9.525	3.31	5.5	136 PR, 144 PR
PRM	9.525	3.37	5.5	97 PRM, 103 PRM, 110 PRM, 122 PRM, 123 PRM, 124 PRM, 134PRM, 141 PRM
PRP	9.525	3.61	5.5	177 PRP, 185 PRP
YU	8.000	3.02	5.2	101 YU, 106 YU, 107 YU, 109 YU, 115 YU

Reference standards:
- ISO 9010 / JASO E 105
- JASO E 106, ISO 12046

Application:
Automotive engines-exhaust & inlet valves

Features:
- Highly engineered cover compound to protect the Belt from excess wear and foreign material such as grease, oil, dust, etc.
- Advanced Belt-geometry to enable seamless performance over smaller engine pulleys and under frequent speed-changing drive conditions
- Robust Belt construction with specially treated glass cords to ensure high tensile strength, negligible elongation and linear operation
- Superior woven, poly-amide fabric to enhance product life and ensure noise-free operation
- Temperature range: -25°C to +100°C and -35°C to +150°C for HSN Construction belts

AUTOMOTIVE BELTS

PIX-FORCE® Scooter Belts (CVT)



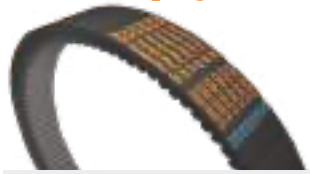
Section	Top width 'TW' (mm)	Thickness 'TH' (mm)	Angle "A" (degree)	Length Range "L" (mm)
SC-TW TH A L	10 to 30	8 to 20	30	600 to 1500

Reference Standard:
- PIX proprietary

Application:
Scooter CVT drives

Features:
- **Specially treated top-fabric for increased flexibility**
- **Fibre-loaded EPDM compound for high thermal resistance and superior lateral rigidity**
- High power transmission capacity
- Smooth operation over CVT drives
- Longer service-life
- Temperature range: -45°C to +120°C

PIX-VoyagerPlus®-XV Belts for CVT-drive, Electric Vehicles



Section	Top width "TW" (mm)	Thickness "TH" (mm)	Angle "A" (degree)	Length Range "L" (mm)
VP-X-TW TH A L	10 to 40	10 to 25	22 to 40	600 to 2000
VP-XX-TW TH A L	10 to 40	10 to 25	22 to 40	600 to 2000
VP-XN-TW TH A L	10 to 40	10 to 25	22 to 40	600 to 2000

Reference Standard:
- PIX proprietary

Application:
Electric cars, ATV vehicles, CVT drives for automotive vehicles, etc.

Features:
- **Superior construction to sustain high torque capacity under extreme operating conditions**
- **Engineered Cog design (single or double sided) for better flexibility & heat dissipation**
- **Specially engineered precise notch-profile offers extra protection to the Belt in CVT drives**
- Superior grip to transmit maximum power with high efficiency
- **Lower slippage, enhances the product life and efficiency**



VP-X Section



VP-XX Section



VP-XN Section

PIX-ASYMMETRA® Asymmetric Belts



Section	Top Width (mm)	Thickness (mm)	α Angle	β Angle	Mfg. Range		Length Designation
					Min.	Max.	
AS-16X10	16.0	10.0	18°	2°	680mm	2240mm	La
AS-19X10	19.0	10.0	18°	2°	680mm	2240mm	La

Reference standard:
- PIX Proprietary

Application:
Go-karts, snowmobiles, mini-bikes, material handling and industrial equipment, etc.

Features:
- **High lateral-rigidity, transmits higher power**
- Longer life
- **Excellent shock absorbing capacity**
- Temperature range: -25°C to +100°C

AUTOMOTIVE BELTS

PIX-VECTOR®-XC Belts for Aviation engines



Section	Thickness (mm)	Rib Pitch (mm)	Possible Number of Ribs	Minimum Pulley Diameter (mm)	Mfg. Range (mm)		Length Desig.
					Min.	Max.	
VT-PL	7.6	4.7	2 to 110	75	1200	5000	Le

Reference standard:
• RMA IP-26

Application:
Helicopter / Rotor drive

Features:
- **Enhanced power transmission capacity**
- **Special aramid cords offer high tensile strength and negligible elongation**
- Highly flexible, noise-free and smooth running operation
- **Least vibrations**
- Wear resistant, facilitates easy clutch operation
- Power transmission through a single Belt, eliminating the use of a set-of-Belts
- Machined, ribbed driving surface for maximum contact area and reduced face-pressure
- Temperature range: -25°C to +100°C

PIX-WhiteKnight®-XV Snowmobile Belts



Section	Top width "TW" (mm)	Thickness "TH" (mm)	Angle "A" (degree)	Length Range "L" (mm)
HD-TW TH A L	20 to 40	10 to 25	22 to 40	600 to 2000
HDX-TW TH A L	20 to 40	10 to 25	22 to 40	600 to 2000
XDX-TW TH A L	20 to 40	10 to 25	22 to 40	600 to 2000

Reference Standard:
• PIX proprietary

Application:
Snowmobiles

Features:
- Specially compounded aramid reinforced compound to withstand excessive load, under extreme operating conditions
- Wear resistant sidewalls to sustain extreme high loads and RPM
- Cog profile of the Belt enhances the flexibility and provides longer life
- Excellent performance, even if, the equipment needs to be clutch-down
- Reduced slippage at elevated levels of torque
- Designed to withstand flexing, cycling, resists fatigue and stretch
- Excellent overall performance even at low temperature of up to -40°C

- **HD series:** Single-sided Belts, **HDX series:** Double-sided Belts, **XDX series:** Double-sided high performance Belts



HD Section



HDX Section



XDX Section

CERTIFICATIONS









SERVICE EQUIPMENT

PIX-Digital Tension Meter



PIX Digital Tension Meter is used to correct the tension factor in a drive, thus helping the users' to attain the optimum Belt-tension.

This equipment works on the frequency measurement phenomenon.

PIX-X'Align (Laser-guided Pulley Alignment Instrument)



Robust and highly effective maintenance tool, used to correct the misalignment of pulleys in a drive.

PIX-Mobile App



PIX-Drive design app., version 3.0

PIX-Service Kit



PIX Service Kit is a composite gear with all essential tools required by the users in maintaining the drive.

PIX-Belt Length Measure



It is used for checking the length of the Belt, where size on the Belt is not illegible.

PIX-Tension Tester



It is a manual Belt Tension tool, which is meant for correcting or re-tensioning the drive with an adequate reliability.

PIX-Belt Profile Gauge



Used for checking the Belt profile.

SERVICE EQUIPMENT

PIX-Pulley Gauges



PIX-Pulley Gauges are specially designed for checking the profiles of the grooves of various conventional and dual-section pulleys.

PIX-Pentagon (Poly-V Belt Wear Gauge)



PIX-Pentagon is used as wear measurement gauge for Poly-V Belts. Wear in ribs, belt thickness and cracks can be identified using this tool.

PIX-Pentagon (Timing Belt Gauges)



PIX-Timing Belt Pentagon gauges are specially designed for the inspection of Timing Belt profile.

PIX-Belt Product Kit



Belt display kit for the sales team. It comprises of cut Belt samples of various types.

PIX-Belt Rack



Table-top metallic Belt display rack, can hold up to 72 Belts.

Dimensions (mm):
1200 (l) x 450(b) x 500(h), used for Automotive Belts.

PIX-X'slit (Belt Cutting Machine)



Precisely designed for cutting individual Timing Belts as well as V-Ribbed Belts from the sleeves.

PIX Pulleys & Couplings
RB International Belting & Automation
9890961752 | 9890340045
www.rbibelting.com

Types of Pulleys

V-Pulleys



Poly-V Pulleys





Timing Pulleys









Sheet metal Pulleys





Self cooling Pulleys



QD Bush Pulleys





Non-standard Pulleys

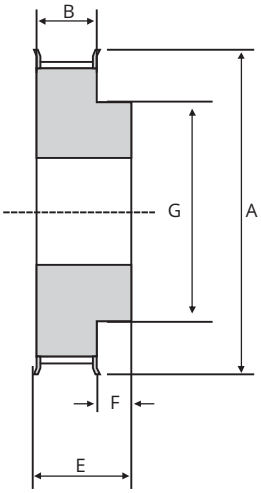


Grading Pulleys

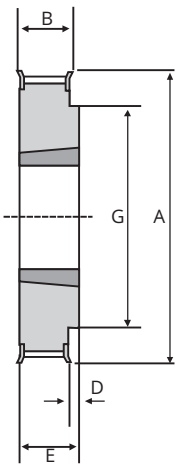




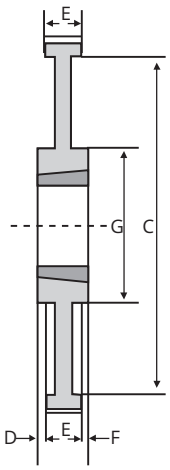
L050- 1/2” (13mm) wide Belts



Type 1F



Type 3F

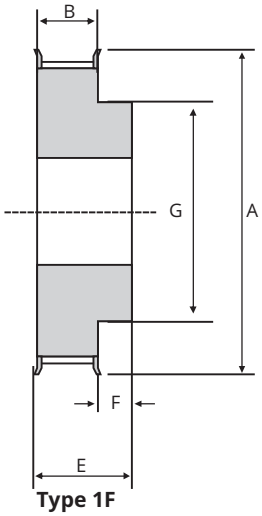


Type 9

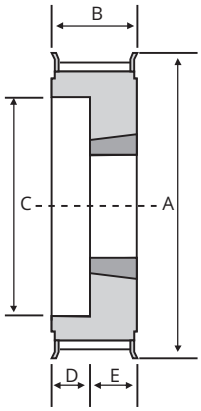
Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-L-14-050	42.45	14	Pitch bore 10mm	19.0	-	1F	49.0	19.0	-	-	30.0	11.0	32.0
STP-L-15-050	45.48	15		22.0	-	1F	52.0	19.0	-	-	30.0	11.0	35.0
STP-L-16-050	48.51	16		25.0	-	1F	56.0	19.0	-	-	30.0	11.0	38.0
STP-L-17-050	51.54	17		25.0	-	1F	57.0	19.0	-	-	30.0	11.0	38.0
STP-L-18-050	54.57	18	1108	28.0	1 1/8	3F	67.0	19.0	-	3.0	22.0	-	46.0
STP-L-19-050	57.61	19	1108	28.0	1 1/8	3F	67.0	19.0	-	3.0	22.0	-	46.0
STP-L-20-050	60.64	20	1108	28.0	1 1/8	3F	67.0	19.0	-	3.0	22.0	-	46.0
STP-L-21-050	63.67	21	1108	28.0	1 1/8	3F	70.0	19.0	-	3.0	22.0	-	48.0
STP-L-22-050	66.70	22	1108	28.0	1 1/8	3F	75.0	19.0	-	3.0	22.0	-	51.0
STP-L-23-050	69.73	23	1108	28.0	1 1/8	3F	79.0	19.0	-	3.0	22.0	-	54.0
STP-L-24-050	72.77	24	1108	28.0	1 1/8	3F	79.0	19.0	-	3.0	22.0	-	54.0
STP-L-25-050	75.80	25	1108	28.0	1 1/8	3F	83.0	19.0	-	3.0	22.0	-	54.0
STP-L-26-050	78.83	26	1108	28.0	1 1/8	3F	86.0	19.0	-	3.0	22.0	-	60.0
STP-L-27-050	81.86	27	1108	28.0	1 1/8	3F	90.0	19.0	-	3.0	22.0	-	64.0
STP-L-28-050	84.89	28	1108	28.0	1 1/8	3F	90.0	19.0	-	3.0	22.0	-	64.0
STP-L-30-050	90.96	30	1108	28.0	1 1/8	3F	98.0	19.0	-	3.0	22.0	-	73.0
STP-L-32-050	97.02	32	1108	28.0	1 1/8	3F	103.0	19.0	-	3.0	25.0	-	76.0
STP-L-36-050	109.15	36	1108	28.0	1 1/8	3F	114.0	19.0	-	3.0	25.0	-	76.0
STP-L-40-050	121.25	40	1610	42.0	1 5/8	3F	127.0	19.0	-	3.0	25.0	-	89.0
STP-L-48-050	145.53	48	1610	42.0	1 5/8	3F	151.0	19.0	-	3.0	25.0	-	114.0
STP-L-60-050	181.91	60	1610	42.0	1 5/8	9	-	19.0	165.0	3.0	25.0	3.0	92.0
STP-L-72-050	218.30	72	1610	42.0	1 5/8	9	-	19.0	202.0	3.0	25.0	3.0	92.0
STP-L-84-050	254.68	84	1610	42.0	1 5/8	9	-	19.0	238.0	3.0	25.0	3.0	92.0
STP-L-96-050	291.06	96	2012	50.0	1 5/8	9	-	19.0	275.0	6.5	32.0	6.5	111.0
STP-L-120-050	363.83	120	2012	50.0	2	9	-	19.0	344.0	6.5	32.0	6.5	111.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

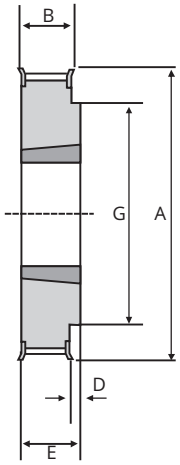
L075- 3/4” (19mm) wide Belts



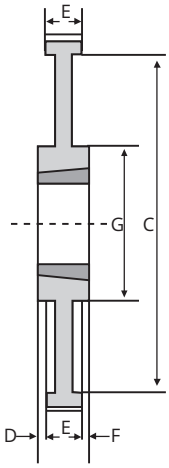
Type 1F



Type 4F



Type 3F

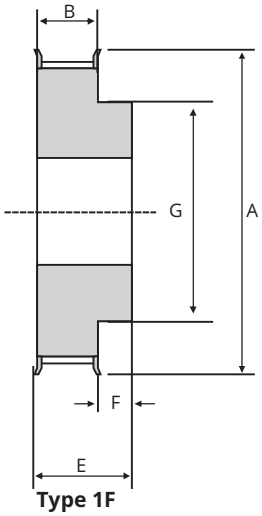


Type 9

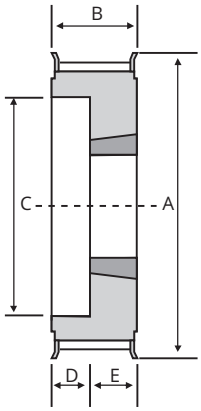
Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-L-14-075	42.45	14	Pitch bore 10mm	19.0	-	1F	49.0	25.0	-	-	37.0	12.0	32.0
STP-L-15-075	45.48	15		22.0	-	1F	52.0	25.0	-	-	37.0	12.0	35.0
STP-L-16-075	48.51	16		25.0	-	1F	56.0	25.0	-	-	37.0	12.0	38.0
STP-L-17-075	51.54	17		25.0	-	1F	57.0	25.0	-	-	37.0	12.0	38.0
STP-L-18-075	54.57	18	1108	28.0	1 1/8	4F	67.0	25.0	-	3.00	22.0	-	-
STP-L-19-075	57.61	19	1108	28.0	1 1/8	4F	67.0	25.0	-	3.00	22.0	-	-
STP-L-20-075	60.64	20	1108	28.0	1 1/8	4F	67.0	25.0	-	3.00	22.0	-	-
STP-L-21-075	63.67	21	1108	28.0	1 1/8	4F	70.0	25.0	-	3.00	22.0	-	-
STP-L-22-075	66.70	22	1108	28.0	1 1/8	4F	75.0	25.0	-	3.00	22.0	-	-
STP-L-23-075	69.73	23	1108	28.0	1 1/8	4F	79.0	25.0	-	3.00	22.0	-	-
STP-L-24-075	72.77	24	1108	28.0	1 1/8	4F	79.0	25.0	-	3.00	22.0	-	-
STP-L-25-075	75.80	25	1108	28.0	1 1/8	4F	83.0	25.0	-	3.00	22.0	-	-
STP-L-20-075	78.83	26	1108	28.0	1 1/8	4F	86.0	25.0	-	3.00	22.0	-	-
STP-L-27-075	81.86	27	1108	28.0	1 1/8	4F	90.0	25.0	-	3.00	22.0	-	-
STP-L-28-075	84.89	28	1108	28.0	1 1/8	4F	90.0	25.0	-	3.00	22.0	-	-
STP-L-30-075	90.96	30	1108	28.0	1 1/8	4F	98.0	25.0	-	3.00	22.0	-	-
STP-L-32-075	97.02	32	1108	28.0	1 1/8	4F	103.0	25.0	-	3.00	22.0	-	-
STP-L-36-075	109.15	36	1108	28.0	1 5/8	3F	114.0	25.0	-	0.00	25.0	-	-
STP-L-40-075	121.25	40	1610	42.0	1 5/8	3F	127.0	25.0	-	0.00	25.0	-	-
STP-L-48-075	145.53	48	1610	42.0	1 5/8	3F	151.0	25.0	-	0.00	25.0	-	-
STP-L-60-075	181.91	60	1610	42.0	1 5/8	9	-	25.0	165.0	0.00	25.0	0.0	92.0
STP-L-72-075	218.30	72	1610	42.0	1 5/8	9	-	25.0	202.0	0.00	25.0	0.0	92.0
STP-L-84-075	254.68	84	1610	42.0	1 5/8	9	-	25.0	238.0	3.50	32.0	3.5	92.0
STP-L-96-075	291.06	96	2012	50.0	1 5/8	9	-	25.0	275.0	3.50	32.0	3.5	111.0
STP-L-120-075	363.83	120	2012	50.0	2	9	-	25.0	344.0	3.50	32.0	3.5	111.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

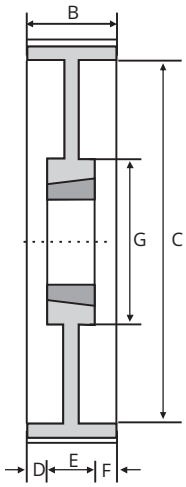
L100-1" (25mm) wide Belts



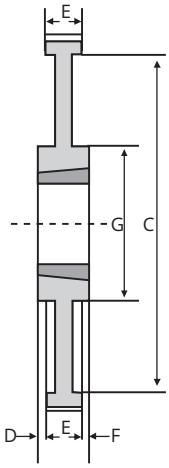
Type 1F



Type 4F



Type-7

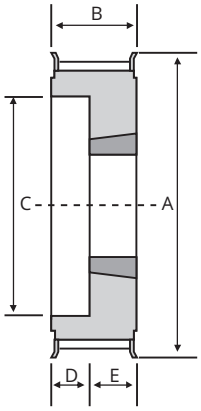


Type 9

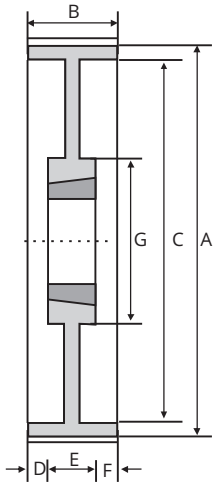
Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-L-14-100	42.45	14	Pitch bore 10mm	19.0	-	1F	49.0	32.0	-	-	37.0	11.0	32.0
STP-L-15-100	45.48	15		22.0	-	1F	52.0	32.0	-	-	37.0	11.0	35.0
STP-L-16-100	48.51	16		25.0	-	1F	56.0	32.0	-	-	37.0	11.0	38.0
STP-L-17-100	51.54	17		25.0	-	1F	57.0	32.0	-	-	37.0	11.0	38.0
STP-L-18-100	54.57	18	1108	28.0	1 1/8	4F	67.0	32.0	38.0	10.0	22.0	-	-
STP-L-19-100	57.61	19	1108	28.0	1 1/8	4F	67.0	32.0	38.0	10.0	22.0	-	-
STP-L-20-100	60.64	20	1108	28.0	1 1/8	4F	67.0	32.0	38.0	10.0	22.0	-	-
STP-L-21-100	63.67	21	1108	28.0	1 1/8	4F	70.0	32.0	38.0	10.0	22.0	-	-
STP-L-22-100	66.70	22	1108	28.0	1 1/8	4F	75.0	32.0	48.0	10.0	22.0	-	-
STP-L-23-100	69.73	23	1108	28.0	1 1/8	4F	79.0	32.0	48.0	10.0	22.0	-	-
STP-L-24-100	72.77	24	1108	28.0	1 1/8	4F	79.0	32.0	48.0	10.0	22.0	-	-
STP-L-25-100	75.80	25	1108	28.0	1 1/8	4F	83.0	32.0	45.0	10.0	22.0	-	-
STP-L-26-100	78.83	26	1108	28.0	1 1/8	4F	86.0	32.0	45.0	10.0	22.0	-	-
STP-L-27-100	81.86	27	1108	28.0	1 1/8	4F	90.0	32.0	45.0	10.0	22.0	-	-
STP-L-28-100	84.89	28	1108	28.0	1 1/8	4F	90.0	32.0	45.0	10.0	22.0	-	-
STP-L-30-100	90.96	30	1108	28.0	1 1/8	4F	98.0	32.0	52.0	7.0	22.0	-	-
STP-L-32-100	97.02	32	1108	28.0	1 1/8	4F	103.0	32.0	52.0	7.0	22.0	-	-
STP-L-36-100	109.15	36	1108	28.0	1 5/8	4F	114.0	32.0	76.0	7.0	25.0	-	-
STP-L-40-100	121.25	40	1610	42.0	1 5/8	4F	127.0	32.0	89.0	7.0	25.0	-	-
STP-L-48-100	145.53	48	1610	42.0	1 5/8	4F	151.0	32.0	108.0	7.0	25.0	-	-
STP-L-60-100	181.91	60	1610	42.0	1 5/8	7	-	32.0	165.0	3.5	25.0	3.5	92.0
STP-L-72-100	218.30	72	1610	42.0	2	9	-	32.0	202.0	0.0	25.0	0.0	92.0
STP-L-84-100	254.68	84	1610	42.0	2	9	-	32.0	238.0	0.0	32.0	0.0	92.0
STP-L-96-100	291.06	96	2012	50.0	2	9	-	32.0	275.0	0.0	32.0	0.0	111.0
STP-L-120-100	363.83	120	2012	50.0	2	9	-	32.0	344.0	0.0	32.0	0.0	111.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

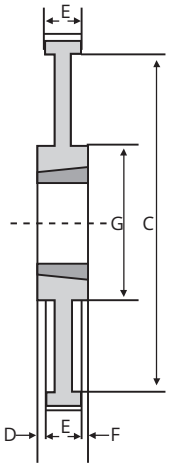
H100 - 3/4" (19mm) & 1” (25mm) wide Belts



Type 4F



Type-7F

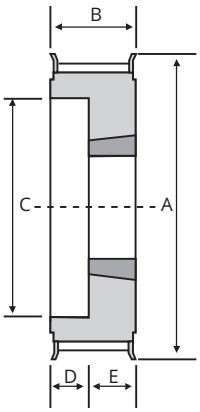


Type 9

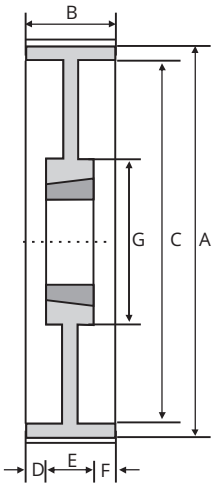
Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-H-18-100	72.77	18	1210	32.0	1 1/4	4F	79.0	32.0	51.0	7.0	25.0	-	-
STP-H-19-100	76.81	19	1210	32.0	1 1/4	4F	83.0	32.0	51.0	7.0	25.0	-	-
STP-H-20-100	80.85	20	1210	32.0	1 1/4	4F	86.0	32.0	57.0	7.0	25.0	-	-
STP-H-21-100	84.89	21	1210	32.0	1 1/4	4F	90.0	32.0	52.0	7.0	25.0	-	-
STP-H-22-100	88.84	22	1210	32.0	1 1/4	4F	95.0	32.0	52.0	7.0	25.0	-	-
STP-H-23-100	92.98	23	1610	42.0	1 5/8	4F	98.0	32.0	64.0	7.0	25.0	-	-
STP-H-24-100	97.02	24	1610	42.0	1 5/8	4F	103.0	32.0	64.0	7.0	25.0	-	-
STP-H-25-100	101.06	25	1610	42.0	1 5/8	4F	106.0	32.0	64.0	7.0	25.0	-	-
STP-H-26-100	105.11	26	1610	42.0	1 5/8	4F	111.0	32.0	70.0	7.0	25.0	-	-
STP-H-27-100	109.15	27	1610	42.0	1 5/8	4F	114.0	32.0	76.0	7.0	25.0	-	-
STP-H-28-100	113.19	28	1610	42.0	1 5/8	4F	119.0	32.0	81.0	7.0	25.0	-	-
STP-H-30-100	121.28	30	1610	42.0	1 5/8	4F	127.0	32.0	89.0	7.0	25.0	-	-
STP-H-32-100	129.36	32	1610	42.0	1 5/8	4F	135.0	32.0	95.0	7.0	25.0	-	-
STP-H-36-100	145.53	36	1610	42.0	1 5/8	4F	151.0	32.0	111.0	7.0	25.0	-	-
STP-H-40-100	161.70	40	1610	42.0	1 5/8	4F	168.0	32.0	130.0	7.0	25.0	-	-
STP-H-48-100	194.04	48	2012	50.0	2	7F	200.0	32.0	162.0	0.0	32.0	0.0	111.0
STP-H-60-100	242.55	50	2012	50.0	2	9	-	32.0	210.0	0.0	32.0	0.0	111.0
STP-H-72-100	291.06	72	2012	50.0	2	9	-	32.0	257.0	0.0	32.0	0.0	111.0
STP-H-84-100	339.57	84	2012	50.0	2	9	-	32.0	306.0	0.0	32.0	0.0	111.0
STP-H-96-100	388.08	96	2517	60.0	2 1/2	9	-	32.0	354.0	6.5	45.0	6.5	124.0
STP-H-120-100	485.10	120	2517	60.0	2 1/2	9	-	32.0	451.0	6.5	45.0	6.5	124.0
STP-H-156-100	630.64	156	2517	60.0	2 1/2	9	-	32.0	597.0	6.5	45.0	6.5	124.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

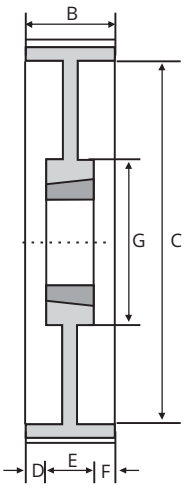
H150- 1 1/2" (38mm) wide Belts



Type 4F



Type-7F

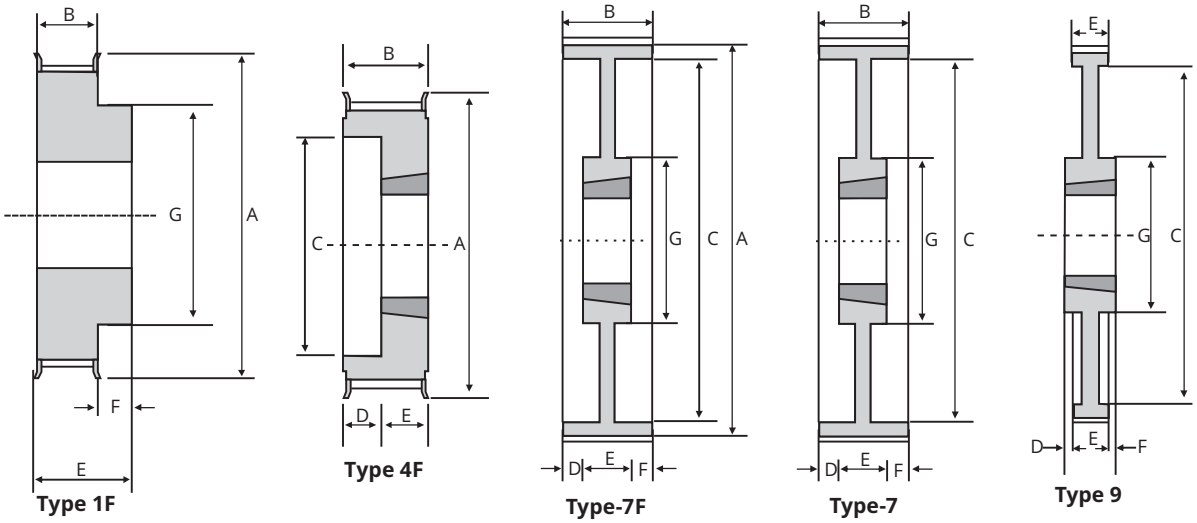


Type-7

Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-H-18-150	72.77	18	1210	32.0	1 1/4	4F	79.0	45.0	51.0	20.0	25.0	-	-
STP-H-19-150	76.81	19	1210	32.0	1 1/4	4F	83.0	45.0	51.0	20.0	25.0	-	-
STP-H-20-150	80.85	20	1210	32.0	1 1/4	4F	86.0	45.0	57.0	20.0	25.0	-	-
STP-H-21-150	84.89	21	1210	32.0	1 1/4	4F	90.0	45.0	52.0	20.0	25.0	-	-
STP-H-22-150	88.84	22	1210	32.0	1 1/4	4F	95.0	45.0	52.0	20.0	25.0	-	-
STP-H-23-150	92.98	23	1610	42.0	1 5/8	4F	98.0	45.0	64.0	20.0	25.0	-	-
STP-H-24-150	97.02	24	1610	42.0	1 5/8	4F	103.0	45.0	64.0	20.0	25.0	-	-
STP-H-25-150	101.06	25	1610	42.0	1 5/8	4F	106.0	45.0	64.0	20.0	25.0	-	-
STP-H-26-150	105.11	26	1610	42.0	1 5/8	4F	111.0	45.0	70.0	20.0	25.0	-	-
STP-H-27-150	109.15	27	1610	42.0	1 5/8	4F	114.0	45.0	76.0	20.0	25.0	-	-
STP-H-28-150	113.19	28	1610	42.0	1 5/8	4F	119.0	45.0	81.0	20.0	25.0	-	-
STP-H-30-150	121.28	30	1610	42.0	1 5/8	4F	127.0	45.0	89.0	20.0	25.0	-	-
STP-H-32-150	129.36	32	1610	42.0	1 5/8	4F	135.0	45.0	95.0	20.0	25.0	-	-
STP-H-36-150	145.53	36	1610	42.0	1 5/8	4F	151.0	45.0	111.0	20.0	25.0	-	-
STP-H-40-150	161.70	40	1610	42.0	1 5/8	4F	168.0	45.0	130.0	20.0	25.0	-	-
STP-H-48-150	194.04	48	2012	50.0	2	7F	200.0	45.0	162.0	6.5	32.0	6.5	111.0
STP-H-60-150	242.55	50	2012	50.0	2	7	-	48.0	210.0	8.0	32.0	8.0	111.0
STP-H-72-150	291.06	72	2012	50.0	2	7	-	48.0	257.0	8.0	32.0	8.0	111.0
STP-H-84-150	339.57	84	2012	50.0	2	7	-	48.0	306.0	8.0	32.0	8.0	111.0
STP-H-96-150	388.08	96	2517	60.0	2 1/2	7	-	48.0	354.0	1.5	45.0	1.5	124.0
STP-H-120-150	485.10	120	2517	60.0	2 1/2	7	-	48.0	451.0	1.5	45.0	1.5	124.0
STP-H-156-150	630.64	156	2517	60.0	2 1/2	7	-	48.0	597.0	1.5	45.0	1.5	124.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

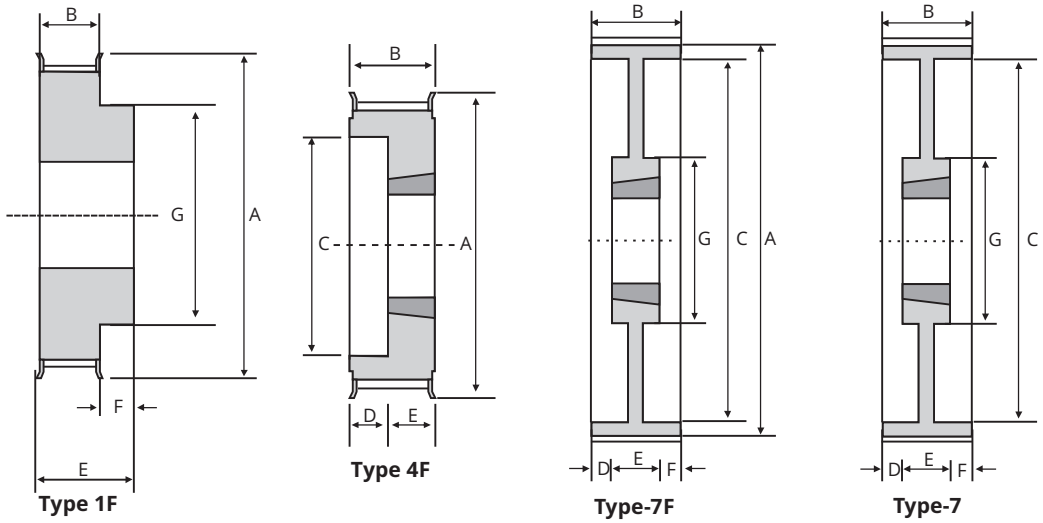
H200 - 2" (51mm) wide Belts



Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-H-18-200	72.77	18	Only Pilot bore	42.0	-	1F	79.0	58.0	-	-	58.0	0.0	-
STP-H-19-200	76.81	19		42.0	-	1F	83.0	58.0	-	-	58.0	0.0	-
STP-H-20-200	80.85	20		42.0	-	1F	86.0	58.0	-	-	58.0	0.0	-
STP-H-21-200	84.89	21	1610	42.0	1 5/8	4F	90.0	58.0	59.0	33.0	25.0	-	-
STP-H-22-200	88.84	22	1210	42.0	1 5/8	4F	95.0	58.0	64.0	33.0	25.0	-	-
STP-H-23-200	92.98	23	1610	42.0	1 5/8	4F	98.0	58.0	64.0	33.0	25.0	-	-
STP-H-24-200	97.02	24	1610	42.0	1 5/8	4F	103.0	58.0	64.0	33.0	25.0	-	-
STP-H-25-200	101.06	25	1610	42.0	1 5/8	4F	106.0	58.0	64.0	33.0	25.0	-	-
STP-H-26-200	105.11	26	1610	42.0	1 5/8	4F	111.0	58.0	70.0	33.0	25.0	-	-
STP-H-27-200	109.15	27	1610	42.0	1 5/8	4F	114.0	58.0	76.0	33.0	25.0	-	-
STP-H-28-200	113.19	28	1610	42.0	1 5/8	4F	119.0	58.0	76.0	33.0	25.0	-	-
STP-H-30-200	121.28	30	1610	42.0	1 5/8	4F	127.0	58.0	89.0	33.0	25.0	-	-
STP-H-32-200	129.36	32	2012	50.0	2	4F	135.0	58.0	97.0	26.0	32.0	-	-
STP-H-36-200	145.53	36	2012	50.0	2	4F	151.0	58.0	111.0	26.0	32.0	-	-
STP-H-40-200	161.70	40	2012	50.0	2	4F	168.0	58.0	130.0	26.0	32.0	-	-
STP-H-48-200	194.04	48	2517	60.0	2 1/2	7F	200.0	58.0	162.0	6.5	45.0	6.5	124.0
STP-H-60-200	242.55	50	2517	60.0	2 1/2	7	-	59.0	210.0	7.0	45.0	7.0	124.0
STP-H-72-200	291.06	72	2517	60.0	2 1/2	7	-	59.0	257.0	7.0	45.0	7.0	124.0
STP-H-84-200	339.57	84	2517	60.0	2 1/2	7	-	59.0	306.0	7.0	45.0	7.0	124.0
STP-H-96-200	388.08	96	2517	60.0	2 1/2	7	-	59.0	354.0	7.0	45.0	7.0	124.0
STP-H-120-200	485.10	120	2517	60.0	2 1/2	7	-	59.0	451.0	7.0	45.0	7.0	146.0
STP-H-156-200	630.64	156	3030	75.0	3	9	-	59.0	597.0	8.5	75.0	8.5	146.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

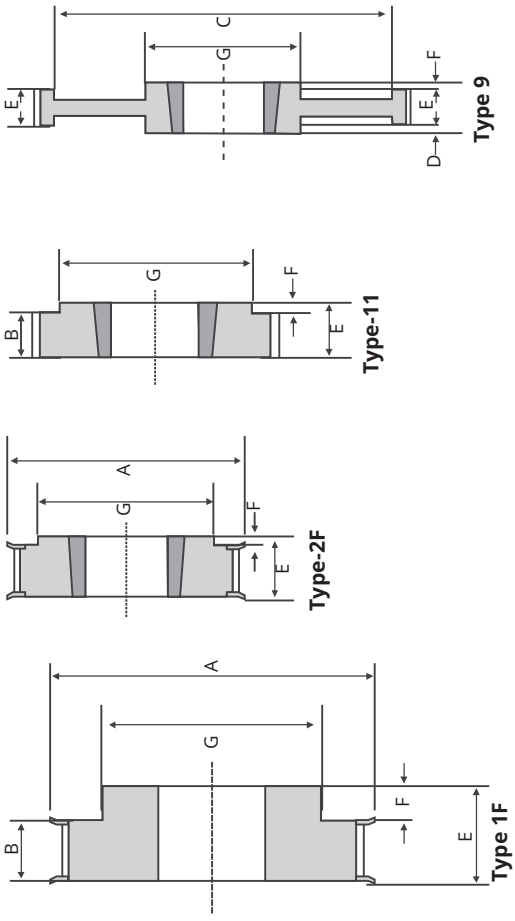
H300 -3" (76mm) wide Belts



Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-H-18-300	72.77	18	Pilot bore 25mm	42.0	-	1F	79.0	84.0	-	-	84.0	0.0	-
STP-H-19-300	76.81	19		42.0	-	1F	83.0	84.0	-	-	84.0	0.0	-
STP-H-20-300	80.85	20		42.0	-	1F	86.0	84.0	-	-	84.0	0.0	-
STP-H-21-300	84.89	21	1615	42.0	1 5/8	4F	90.0	84.0	59.0	46.0	38.0	-	-
STP-H-22-300	88.84	22	1615	42.0	1 5/8	4F	95.0	84.0	64.0	46.0	38.0	-	-
STP-H-23-300	92.98	23	1615	42.0	1 5/8	4F	98.0	84.0	64.0	46.0	38.0	-	-
STP-H-24-300	97.02	24	1615	42.0	1 5/8	4F	103.0	84.0	64.0	46.0	38.0	-	-
STP-H-25-300	101.06	25	1615	42.0	1 5/8	4F	106.0	84.0	64.0	46.0	38.0	-	-
STP-H-26-300	105.11	26	1615	42.0	1 5/8	4F	111.0	84.0	70.0	46.0	38.0	-	-
STP-H-27-300	109.15	27	2012	50.0	2	4F	114.0	84.0	76.5	52.0	32.0	-	-
STP-H-28-300	113.19	28	2012	50.0	2	4F	119.0	84.0	76.5	52.0	32.0	-	-
STP-H-30-300	121.28	30	2012	50.0	2	4F	127.0	84.0	89.0	52.0	32.0	-	-
STP-H-32-300	129.36	32	2517	60.0	2 1/2	4F	135.0	84.0	97.0	39.0	45.0	-	-
STP-H-36-300	145.53	36	2517	60.0	2 1/2	4F	151.0	84.0	111.0	39.0	45.0	-	-
STP-H-40-300	161.70	40	2517	60.0	2 1/2	4F	168.0	84.0	130.0	39.0	45.0	-	-
STP-H-48-300	194.04	48	2517	60.0	2 1/2	7F	200.0	84.0	162.0	19.5	45.0	19.5	124.0
STP-H-60-300	242.55	50	2517	60.0	2 1/2	7	-	86.0	210.0	20.5	45.0	20.5	124.0
STP-H-72-300	291.06	72	2517	60.0	2 1/2	7	-	86.0	257.0	20.5	45.0	20.5	124.0
STP-H-84-300	339.57	84	2517	60.0	2 1/2	7	-	86.0	306.0	20.5	45.0	20.5	124.0
STP-H-96-300	388.08	96	3030	75.0	3	7	-	86.0	354.0	5.0	76.0	5.0	146.0
STP-H-120-300	485.10	120	3030	75.0	3	7	-	86.0	451.0	5.0	76.0	5.0	146.0
STP-H-156-300	630.64	156	3030	75.0	3	7	-	86.0	597.0	5.0	76.0	5.0	178.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

5mm pitch High Torque (HTD) Pulley (15mm wide Belts):



Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-28-5M-15	44.56	28	43.42	PB	19.0	3/4	1F	49.0	22.0	-	-	30.0	8.0	31.0
STP-32-5M-15	50.93	32	49.79	PB	22.0	7/8	1F	56.0	22.0	-	-	30.0	8.0	38.0
STP-34-5M-15	54.11	34	52.97	1008	25.0	1	2F	57.0	22.0	-	-	22.0	-	-
STP-36-5M-15	57.3	36	56.15	1108	28.0	1 1/8	2F	62.0	22.0	-	-	22.0	-	-
STP-38-5M-15	60.48	38	59.34	1108	28.0	1 1/8	2F	66.0	22.0	-	-	22.0	-	-
STP-40-5M-15	63.66	40	62.52	1108	28.0	1 1/8	2F	70.0	22.0	-	-	22.0	-	-
STP-44-5M-15	70.03	44	68.59	1210	28.0	1 1/8	2F	75.0	22.0	-	-	22.0	-	-
STP-48-5M-15	76.39	48	75.25	1210	32.0	1 1/4	2F	79.0	22.0	-	-	25.0	3.0	59.0
STP-56-5M-15	89.13	56	87.98	1210	32.0	1 1/4	2F	95.0	22.0	-	-	25.0	3.0	75.0
STP-64-5M-15	101.86	64	100.72	1210	32.0	1 1/4	2F	106.0	22.0	-	-	25.0	3.0	80.0
STP-72-6M-15	114.59	72	113.45	1210	42.0	1 5/8	2F	-	22.0	-	-	25.0	3.0	92.0
STP-80-.5M-15	127.32	80	126.18	1610	42.0	1 5/8	11	-	22.0	-	-	25.0	3.0	92.0
STP-90-5M-15	143.24	90	142.1	1610	42.0	1 5/8	11	-	22.0	-	-	25.0	3.0	92.0
STP-112-5M-15	178.25	112	177.11	2012	50.0	2	11	-	20.0	-	-	32.0	12.0	110.0
STP-136-5M-15	216.45	136	215.31	2012	50.0	2	9	-	20.0	199.0	6.0	32.0	6.0	106.0
STP-160-5M-15	238.73	150	237.59	2012	50.0	2	9	-	20.0	222.0	6.0	32.0	6.0	106.0

Met.: Metric, Imp.: Imperial, Dia.: Diameter, Max.: Maximum

8mm Pitch High Torque (HTD) Pulley (20mm wide Belts)

Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-22-8M-20	56.02	22	54.65	1008	25.0	1	4F	62.0	26.0	41.0	4.0	22.0	-	-
STP-24-8M-20	61.12	24	59.75	1008	28.0	1 1/8	4F	70.0	26.0	44.0	4.0	22.0	-	-
STP-26-8M-20	66.21	26	64.84	1008	28.0	1 1/8	4F	75.0	26.0	44.0	4.0	22.0	-	-
STP-28-3M-20	71.30	28	70.08	1108	28.0	1 1/8	4F	79.0	26.0	50.0	4.0	22.0	-	-
STP-30-3M-20	76.39	30	75.13	1108	28.0	1 1/8	4F	86.0	26.0	55.0	4.0	22.0	-	-
STP-32-8M-20	81.49	32	80.16	1610	42.0	1 5/8	2F	90.0	26.0	-	-	26.0	-	-
STP-34-8M-20	86.58	34	85.22	1610	42.0	1 5/8	2F	95.0	26.0	-	-	26.0	-	-
STP-36-8M-20	91.67	36	90.30	1610	42.0	1 5/8	2F	98.0	26.0	-	-	26.0	-	-
STP-38-8M-20	96.77	38	95.39	1610	42.0	1 5/8	2F	106.0	26.0	-	-	26.0	-	-
STP-40-8M-20	101.86	40	100.49	1610	42.0	1 5/8	2F	111.0	26.0	-	-	26.0	-	-
STP-44-6M-20	112.05	44	110.67	2012	50.0	2	2F	119.0	26.0	-	-	32.0	6.0	92.0
STP-48-8M-20	122.23	48	120.86	2012	50.0	2	11	135.0	26.0	-	-	32.0	6.0	104.0
STP-56-8M-20	142.60	56	141.23	2012	50.0	2	11	151.0	26.0	-	-	32.0	6.0	111.0
STP-64-8M-20	162.97	64	161.60	2012	50.0	2	2F	169.0	26.0	-	-	32.0	6.0	111.0
STP-72-8M-20	183.35	72	181.97	2012	50.0	2	11	-	26.0	-	-	32.0	6.0	111.0
STP-80-8M-20	203.72	80	202.35	2012	50.0	2	11	-	26.0	-	-	32.0	6.0	111.0
STP-90-8M-20	229.18	90	227.81	2012	50.0	2	11	-	26.0	-	-	32.0	6.0	111.0

8mm pitch High Torque (HTD) Pulley (30mm wide Belts)

Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-22-8M-30	56.02	22	54.65	1008	25.0	1	4F	62.0	36.0	41.0	14.0	22.0	-	-
STP-24-8M-30	61.12	24	59.75	1008	28.0	1 1/8	4F	70.0	36.0	44.0	14.0	22.0	-	-
STP-26-8M-30	66.21	26	64.84	1008	28.0	1 1/8	4F	75.0	36.0	44.0	14.0	22.0	-	-
STP-28-8M-30	71.30	28	70.08	1210	32.0	1 1/4	4F	79.0	36.0	55.0	11.0	25.0	-	-
STP-30-8M-30	76.39	30	75.13	1610	42.0	1 1/8	2F	86.0	36.0	-	-	38.0	2.0	66.0
STP-32-8M-30	81.49	32	80.16	1610	42.0	1 5/8	2F	90.0	36.0	-	-	38.0	2.0	66.0
STP-34-8M-30	86.58	34	85.22	1610	42.0	1 5/8	2F	95.0	36.0	-	-	38.0	2.0	70.0
STP-36-8M-30	91.67	36	90.30	1610	42.0	1 5/8	2F	98.0	36.0	-	-	38.0	2.0	70.0
STP-38-8M-30	96.77	38	95.39	1610	42.0	1 5/8	2F	106.0	36.0	-	-	38.0	2.0	75.0
STP-40-8M-30	101.86	40	100.49	1610	42.0	1 5/8	2F	111.0	36.0	-	-	38.0	2.0	75.0
STP-44-8M-30	112.05	44	110.67	2012	50.0	2	4F	119.0	36.0	80.0	4.0	32.0	-	-
STP-48-8M-30	122.23	48	120.86	2012	50.0	2	4F	135.0	36.0	90.0	4.0	32.0	-	-
STP-56-8M-30	142.60	56	141.23	2012	50.0	2	4F	151.0	36.0	110.0	4.0	32.0	-	-
STP-64-8M-30	162.97	64	161.60	2517	60.0	2 1/2	2F	168.0	36.0	-	-	45.0	9.0	124.0
STP-72-8M-30	183.35	72	181.97	2517	60.0	2 1/2	11	-	36.0	-	-	45.0	9.0	124.0
STP-80-8M-30	203.72	80	202.35	2517	60.0	2 1/2	11	-	36.0	-	-	45.0	9.0	124.0
STP-90-8M-30	229.18	90	227.81	2517	60.0	2 1/2	9	-	36.0	198.0	4.5	45.0	4.5	124.0
STP-112-8M-30	285.21	112	283.83	2517	60.0	2 1/2	9	-	36.0	254.0	4.5	45.0	4.5	124.0
STP-144-8M-30	366.59	144	365.32	2517	60.0	2 1/2	10	-	36.0	335.0	4.5	45.0	4.5	124.0

8mm pitch High Torque (HTD) Pulley (50mm wide Belts)

Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-28-8M-50	71.30	28	70.08	1210	32.0	1 1/4	4F	79.0	57.0	55.0	32.0	25.0	-	-
STP-30-8M-50	76.39	30	75.13	1610	42.0	1 5/8	2F	86.0	57.0	60.0	19.0	38.0	-	-
STP-32-8M-50	81.49	32	80.16	1610	42.0	1 5/8	2F	90.0	57.0	60.0	19.0	38.0	-	-
STP-34-8M-50	86.58	34	85.22	1610	42.0	1 5/8	2F	95.0	57.0	64.0	19.0	38.0	-	-
STP-36-6M-50	91.67	36	90.30	1610	42.0	1 5/8	2F	98.0	57.0	65.0	19.0	38.0	-	-
STP-38-8M-50	96.77	38	95.39	1610	42.0	1 5/8	2F	106.0	57.0	74.0	-	38.0	19.0	-
STP-40-8M-50	101.86	40	100.49	1610	50.0	2	2F	111.0	57.0	75.0	25.0	32.0	-	-
STP-44-8M-50	112.05	44	110.67	2012	50.0	2	4F	119.0	57.0	88.0	-	32.0	25.0	-
STP-48-8M-50	122.23	48	120.86	2012	50.0	2	4F	135.0	57.0	90.0	-	32.0	25.0	-
STP-56-8M-50	142.60	56	141.23	2012	60.0	2 1/2	4F	151.0	57.0	110.0	-	45.0	12.0	-
STP-64-8M-50	162.97	64	161.60	2517	60.0	2 1/2	2F	168.0	57.0	130.0	-	45.0	12.0	-
STP-72-8M-50	183.35	72	181.97	2517	60.0	2 1/2	11	-	57.0	152.0	-	45.0	12.0	-
STP-80-8M-5O	203.72	80	202.35	2517	75.0	3	11	-	57.0	172.0	-	51.0	6.0	-
STP-90-8M-50	229.18	90	227.81	3020	75.0	3	9	-	57.0	197.0	3.0	51.0	3.0	150.0
STP-112-8M-50	285.21	112	283.83	3020	75.0	3	9	-	57.0	253.0	3.0	51.0	3.0	150.0
STP-144-8M-50	366.59	144	365.32	3020	75.0	3	10	-	57.0	335.0	3.0	51.0	3.0	150.0
STP-168-8M-50	427.81	168	426.44	3525	100.0	4	10	-	57.0	396.0	4.0	65.0	4.0	198.0
STP-192-8M-50	488.92	192	487.55	3525	100.0	4	10	-	57.0	457.0	4.0	65.0	4.0	198.0

8mm pitch High Torque (HTD) Pulley (85mm wide Belts):

Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-34-8M-85	86.58	34	85.22	1615	42.0	1 5/8	4F	95.0	94.0	64.0	56.0	32.0	-	-
STP-36-8M-85	91.67	36	90.30	1615	42.0	1 5/8	4F	98.0	94.0	65.0	56.0	38.0	-	-
STP-38-8M-85	96.77	38	95.39	1615	42.0	1 5/8	4F	106.0	94.0	65.0	56.0	38.0	-	-
STP-40-8M-85	101.86	40	100.49	2012	50.0	2	4F	111.0	94.0	78.0	62.0	32.0	-	-
STP-44-8M-55	112.05	44	110.67	2012	50.0	2	4F	119.0	94.0	85.0	62.0	32.0	-	-
STP-48-8M-85	122.23	48	120.86	2517	60.0	2 1/2	4F	135.0	94.0	96.0	49.0	45.0	-	-
STP-56-3M-85	142.60	56	141.23	2517	60.0	2 1/2	6F	151.0	94.0	111.0	24.5	45.0	24.5	-
STP-64-8M-85	162.97	64	161.60	2517	60.0	2 1/2	6F	168.0	94.0	131.0	24.5	45.0	24.5	-
STP-72-8M-85	183.35	72	181.97	3020	75.0	3	6	-	94.0	152.0	21.5	51.0	21.5	-
STP-80-8M-85	203.72	80	202.35	3020	75.0	3	6	-	94.0	172.0	21.5	51.0	21.5	-
STP-90-8M-85	229.18	90	227.81	3020	75.0	3	6	-	94.0	197.0	21.5	51.0	21.5	-
STP-112-8M-85	285.21	112	283.83	3020	75.0	3	7	-	94.0	253.0	21.5	51.0	21.5	150.0
STP-144-8M-65	366.59	144	365.32	3525	100.0	4	7	-	94.0	335.0	14.5	65.0	14.5	198.0
STP-168-8M-85	427.81	168	426.44	3525	100.0	4	8	-	94.0	396.0	14.5	65.0	14.5	198.0
STP-192-8M-85	488.92	192	487.55	3525	100.0	4	8	-	94.0	457.0	14.5	65.0	14.5	198.0

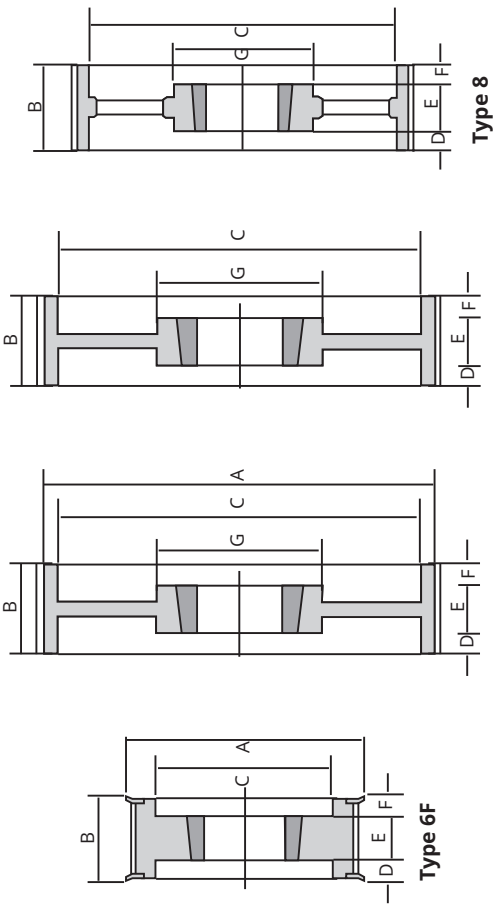
14mm Pitch High Torque (HTD) Pulley (40mm wide Belts):

Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-28-14M-40	124.78	28	122.12	2012	50.0	2	5F	141.0	54.0	88.0	-	32.0	22.0	-
STP-29-14M-40	129.23	29	126.57	2012	50.0	2	5F	141.0	54.0	90.0	-	32.0	22.0	
STP-30-14M-40	133.69	30	130.99	2012	50.0	2	5F	141.0	54.0	91.0	-	32.0	22.0	-
STP-32-14M-40	142.60	32	139.88	2012	50.0	2	6F	156.0	54.0	100.0	11.0	32.0	11.0	-
STP-34-14M-40	151.51	34	148.79	2517	50.0	2 1/2	6F	156.0	54.0	109.0	4.5	45.0	4.5	-
STP-36-14M-40	160.43	36	157.68	2517	60.0	2 1/2	5F	169.0	54.0	117.0	-	45.0	9.0	-
STP-38-14M-40	169.34	38	166.60	2517	60.0	2 1/2	5F	183.0	54.0	126.0	-	45.0	9.0	-
STP-40-14M-40	178.25	40	175.49	2517	60.0	2 1/2	5F	197.0	54.0	135.0	-	45.0	9.0	-
STP-44-14M-40	196.08	44	193.28	3020	75.0	3	5F	211.0	54.0	153.0	-	51.0	3.0	-
STP-48-14M-40	213.90	48	211.11	3020	75.0	3	5F	226.0	54.0	171.0	-	51.0	3.0	-
STP-56-14M-40	249.55	56	246.76	3020	75.0	3	7F	267.0	54.0	207.0	1.5	51.0	1.5	144.0
STP-64-14M-40	285.21	64	282.41	3020	75.0	3	8F	297.0	54.0	242.0	1.5	51.0	1.5	159.0
STP-72-14M-40	320.86	72	316.06	3020	75.0	3	8	-	54.0	278.0	1.5	51.0	1.5	159.0
STP-80-14M-40	356.51	80	353.71	3020	75.0	3	7	-	54.0	314.0	1.5	51.0	1.5	159.0
STP-90-14M-40	401.07	90	398.28	3020	75.0	3	8	-	54.0	362.0	1.5	51.0	1.5	159.0
STP-112-14M-40	499.11	112	496.32	3020	75.0	3	8	-	54.0	450.0	1.5	51.0	1.5	159.0
STP-144-14M-40	641.71	144	638.92	3020	75.0	3	8	-	54.0	600.0	1.5	51.0	1.5	159.0
STP-168-14M-40	748.66	168	745.87	3020	75.0	3	8	-	54.0	706.0	1.5	51.0	1.5	159.0
STP-192-14M-40	855.62	192	852.82	3020	75.0	3	8	-	54.0	812.0	1.5	51.0	1.5	159.0

14mm Pitch High Torque (HTD) Pulley (55mm wide Belts)

Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-28-14M-55	124.78	28	122.12	2012	50.0	2	6F	141.0	70.0	90.0	19.0	32.0	19.0	-
STP-29-14M-55	129.23	29	126.57	2012	50.0	2	6F	141.0	70.0	91.0	19.0	32.0	19.0	
STP-30-14M-55	133.69	30	130.99	2517	60.0	2 1/2	6F	141.0	70.0	95.0	12.5	45.0	12.5	-
STP-32-14M-55	142.60	32	139.88	2517	60.0	2 1/2	6F	156.0	70.0	100.0	12.5	45.0	12.5	-
STP-34-14M-55	151.51	34	148.79	2517	60.0	2 1/2	6F	156.0	70.0	109.0	12.5	45.0	12.5	-
STP-36-14M-55	160.43	36	157.68	2517	60.0	2 1/2	5F	169.0	70.0	117.0	0.0	45.0	25.0	-
STP-38-14M-55	169.34	38	166.60	2517	60.0	2 1/2	5F	183.0	70.0	126.0	0.0	45.0	25.0	-
STP-40-14M-55	178.25	40	175.49	2517	60.0	2 1/2	6F	197.0	70.0	135.0	12.5	45.0	12.5	-
STP-44-14M-55	196.08	44	193.28	3020	75.0	3	6F	211.0	70.0	153.0	9.5	51.0	9.5	-
STP-48-14M-55	213.90	48	211.11	3020	75.0	3	6F	226.0	70.0	171.0	9.5	51.0	9.5	-
STP-56-14M-55	249.55	56	246.76	3020	75.0	3	6F	267.0	70.0	207.0	9.5	51.0	9.5	-
STP-64-14M-55	285.21	64	282.41	3020	75.0	3	7F	297.0	70.0	242.0	9.5	51.0	9.5	159.0
STP-72-14M-55	320.86	72	316.06	3020	75.0	3	8	-	70.0	278.0	9.5	51.0	9.5	159.0
STP-80-14M-55	356.51	80	353.71	3020	75.0	3	8	-	70.0	314.0	9.5	51.0	9.5	159.0
STP-90-14M-55	401.07	90	398.28	3020	75.0	3	8	-	70.0	362.0	9.5	51.0	9.5	159.0
STP-112-14M-55	499.11	112	496.32	3020	75.0	3	8	-	70.0	456.0	9.5	51.0	9.5	159.0
STP-144-14M-55	641.71	144	638.92	3020	75.0	3	8	-	70.0	600.0	9.5	51.0	9.5	159.0
STP-168-14M-55	748.66	168	745.87	3020	75.0	3	8	-	70.0	706.0	9.5	51.0	9.5	159.0
STP-192-14M-55	855.62	192	852.82	3020	75.0	3	8	-	70.0	812.0	9.5	51.0	9.5	159.0

14mm pitch High Torque (HTD) Pulley (85mm wide Belts)



Pulley Description	Pitch Dia (P) (mm)	No. of Teeth	Outside Dia. (mm)	Bush No.	Max. Bore Met. (mm)	Max. Bore Imp. (inches)	Pulley Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
STP-28-14M-85	124.78	28	122.12	2517	60.0	2 1/2	6F	141.0	102.0	98.0	27.5	45.0	27.5	-
STP-29-14M-85	129.23	29	126.57	2517	60.0	2 1/2	6F	141.0	102.0	98.0	27.5	45.0	27.5	
STP-30-14M-85	133.69	30	130.99	2517	60.0	2 1/2	6F	141.0	102.0	100.0	27.5	45.0	27.5	-
STP-32-14M-85	142.60	32	139.88	2517	60.0	2 1/2	6F	156.0	102.0	100.0	27.5	45.0	27.5	-
STP-34-14M-85	151.51	34	148.79	2517	60.0	2 1/2	6F	156.0	102.0	109.0	27.5	45.0	27.5	-
STP-36-14M-85	160.43	36	157.68	3020	75.0	3	6F	169.0	102.0	123.0	27.5	51.0	27.5	-
STP-38-14M-85	169.34	38	166.60	3020	75.0	3	6F	183.0	102.0	126.0	27.5	51.0	27.5	-
STP-40-14M-85	178.25	40	175.49	3020	75.0	3	6F	197.0	102.0	135.0	27.5	51.0	27.5	-
STP-44-14M-85	196.08	44	193.28	3020	75.0	3	6F	211.0	102.0	153.0	27.5	51.0	27.5	-
STP-48-14M-85	213.90	48	211.11	3020	75.0	3	6F	226.0	102.0	171.0	27.5	51.0	27.5	-
STP-56-14M-85	249.55	56	246.76	3525	100.0	4	6F	267.0	102.0	207.0	18.5	65.0	18.5	-
STP-64-14M-85	285.21	64	282.41	3525	100.0	4	7F	297.0	102.0	242.0	18.5	65.0	18.5	-
STP-72-14M-85	320.86	72	316.06	3525	100.0	4	7	-	102.0	278.0	18.5	65.0	18.5	178.0
STP-80-14M-85	356.51	80	353.71	3525	100.0	4	7	-	102.0	314.0	18.5	65.0	18.5	178.0
STP-90-14M-85	401.07	90	398.28	3525	100.0	4	8	-	102.0	358.0	18.5	65.0	18.5	178.0
STP-112-14M-85	499.11	112	496.32	3525	100.0	4	8	-	102.0	456.0	18.5	65.0	18.5	178.0
STP-144-14M-85	641.71	144	638.92	3525	100.0	4	8	-	102.0	600.0	18.5	65.0	18.5	206.0
STP-168-14M-85	748.66	168	745.87	3525	100.0	4	8	-	102.0	706.0	18.5	65.0	18.5	206.0
STP-192-14M-85	855.62	192	852.82	4030	115.0	4 1/2	8	-	102.0	812.0	13.0	76.0	13.0	216.0

PIX Pulleys & Couplings
RB International Belting & Automation
9890961752 | 9890340045
www.rbibelting.com

Taper Bush dimensions

Taper Bush Number	Taper Bush Code	Nominal Dia at the Larger End of Taper (mm)	Face Width (mm)	Minimum Bore (mm)	Maximum Bore (mm)
1008	TLB1008009 to TLB1008025	35.0	22	9	25
1108	TLB1108009 to TLB1108028	38.0	22	9	28
1210	TLB1210011 to TLB1210032	47.5	25	11	32
1215	TLB1215011 to TLB1215032	47.5	38	11	32
1310	TLB1310014 to TLB1310035	51.0	25	14	35
1610	TLB1610014 to TLB1610042	57.0	25	14	42
1615	TLB1615014 to TLB1615042	57.0	38	14	42
2012	TLB2012014 to TLB2012050	70.0	32	14	50
2517	TLB2517016 to TLB2517060	85.5	45	16	60
2525	TLB2525019 to TLB2525060	85.5	65	19	60
3020	TLB3020025 to TLB3020075	108.0	51	25	75
3030	TLB3030035 to TLB3030075	108.0	76	35	75
3525	TLB3525048 to TLB3525090	127.0	65	35	90
3535	TLB3535035 to TLB3535090	127.0	89	35	90
4040	TLB4040040 to TLB4040100	146.0	102	40	100
4545	TLB4545055 to TLB4545110	162.0	114	55	110
5050	TLB5050070 to TLB5050125	177.5	127	70	125

Taper Bush dimensions

Taper Bush Number	Bore	Weight approx Lbs	Weight approx Kgs	Bushing key seat	Shaft key seat
1108	1/2 to 9/16 5/8 to 7/8 15/16 to 1 1-1/16 to 1-1/8	0.33 0.27 0.22 0.17	0.15 0.12 0.10 0.08	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8 1/4 x 1/16a	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8 1/4 x 1/8
1210	1/2 to 9/16 5/8 to 7/8 15/16 to 1-1/4	0.61 0.55 0.49	0.28 0.25 0.22	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8
1610	1/2 to 9/16 5/8 to 7/8 15/16 to 1-1/4 1-5/16 to 1-3/8 1-7/16 to 1-1/2 1-9/16 to 1-5/8	0.90 0.80 0.70 0.70 0.60 0.50	0.41 0.36 0.32 0.32 0.27 0.23	1/8 x 1/16 3/16x3/32 1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 3/8 x 1/8a	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 3/8 x 3/16
1615	1/2 to 9/16 5/8 to 7/8 15/16 to 1-1/4 1-5/16 to 1-3/8 1-7/16 to 1-1/2 1-9/16 to 1-5/8	1.20 1.10 1.00 0.80 0.70 0.60	0.54 0.50 0.45 0.36 0.32 0.27	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 3/8 x 1/8a	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 3/8 x 3/16
2517	1/2 to 9/16 5/8 to 7/8 15/16 to 1-1/4 1-5/16 to 1-3/8 1-7/16 to 1-3/4 1-13/16 to 2-1/4 2-5/16 to 2-1/2	3.50 3.40 3.30 3.20 3.00 2.40 1.90	1.59 1.54 1.50 1.45 1.36 1.09 0.86	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 1/2 x 1/4 5/8 x 3/16a	1/8 x 1/16 3/16 x 3/32 1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 1/2 x 1/4 5/8 x 5/16
3020	15/16 to 1-1/4 1-5/16 to 1-3/8 1-7/16 to 1-3/4 1-13/16 to 2-1/4 2-5/16 to 2-3/4 2-13/16 to 3	6.50 6.30 6.00 5.30 4.50 3.90	2.95 2.86 2.72 2.40 2.04 1.77	1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 1/2 x 1/4 5/8 x 5/16 3/4 x 1/4a	1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 1/2 x 1/4 5/8 x 5/16 3/4 x 3/8
3030	15/16 to 1-1/4 1-5/16 to 1-3/8 1-7/16 to 1-3/4 1-13/16 to 2-1/4 2-5/16 to 2-3/4 2-13/16 to 3	9.20 8.90 8.60 7.60 6.20 5.00	4.17 4.04 3.90 3.45 2.81 2.27	1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 1/2 x 1/4 5/8 x 5/16 3/4 x 1/4a	1/4 x 1/8 5/16 x 5/32 3/8 x 3/16 1/2 x 1/4 5/8 x 5/16 3/4 x 3/8
3535	1-3/16 to 1-1/4 1-5/16 to 1-3/8 1-7/16 to 1-3/4 1-13/16 to 2-1/4 2-5/16 to 2-3/4 2-13/16 to 3-1/4 3-5/16 to 3-1/2	14.0 14.0 13.0 12.0 11.0 9.00 8.00	6.35 6.35 5.90 5.44 4.99 4.08 3.63	1/4 × 1/8 5/16 × 5/32 3/8 × 3/16 1/2 × 1/4 5/8 × 5/16 3/4 × 3/8 7/8 × 1/4a	1/4 × 1/8 5/16 × 5/32 3/8 × 3/16 1/2 × 1/4 5/8 × 5/16 3/4 × 3/8 7/8 × 7/16
4040	1-7/16 to 1-3/4 1-13/16 to 2-1/4 2-5/16 to 2-3/4 2-13/16 to 3-1/4 3-5/16 to 3-5/8 3-11/16 to 3-3/4 3-13/16 to 4	22.0 21.0 19.0 17.0 15.0 14.0 13.0	9.98 9.53 8.62 7.71 6.80 6.35 5.90	3/8 × 3/16 1/2 × 1/4 5/8 × 5/16 3/4 × 3/8 7/8 × 7/16 7/8 × 7/16 1 × 1/4a	3/8 × 3/16 1/2 × 1/4 5/8 × 5/16 3/4 × 3/8 7/8 × 7/16 7/8 × 7/16 1 × 1/2
4545	1-15/16 to 2-1/4 2-5/16 to 2-3/4 2-13/16 to 3-1/4 3-5/16 to 3-3/4 3-13/16 to 4-1/4 4-5/16 to 4-1/2	30.0 28.0 26.0 23.0 20.0 18.0	13.61 12.70 11.79 10.43 9.07 8.16	1/2 × 1/4 5/8 × 5/16 3/4 × 3/8 7/8 × 7/16 1 × 1/2 1 × 1/4a	1/2 × 1/4 5/8 × 5/16 3/4 × 3/8 7/8 × 7/16 1 × 1/2 1 × 1/2
5050	2-5/16 to 2-3/4 2-13/16 to 3-1/4 3-5/16 to 3-3/4 3-13/16 to 4-1/2 4-9/16 to 5	38.0 35.0 32.0 27.0 24.0	17.24 15.88 14.51 12.25 10.89	5/8 × 5/16 3/4 × 3/8 7/8 × 7/16 1 × 1/2 1-1/4 × 7/16a	5/8 × 5/16 3/4 × 3/8 7/8 × 7/16 1 × 1/2 1-1/4 × 5/8
6050	3-13/16 to 4-1/2 4-9/16 to 5-1/2 5-9/16 to 6	60.0 55.0 50.0	27.22 24.95 22.68	1 x 1/2 1-1/4 x 5/8 1-1/2 x 3/4	1 x 1/2 1-1/4 x 5/8 1-1/2 x 3/4
7060	4-9/16 to 5-1/2 5-9/16 to 6-1/2 6-9/16 to 7	85.0 75.0 65.0	38.56 34.02 29.48	1-1/4 x 5/8 1-1/2 x 3/4 1-3/4 x 3/4	1-1/4 x 5/8 1-1/2 x 3/4 1-3/4 x 3/4

a: Shallow key furnished for these sizes

Metric bores, keyway, keys & screws

Bush No.	Nominal Diameter at Larger End	Taper Bush Code	Bore Diameter (mm)	Keyway (mm) Width (w)	Keyway (mm) Depth (h)	Key (mm) Width (w)	Key (mm) Depth (h)	Screw Tightening Torque(Nm)	Screw Details Qty.	Screw Details Size
1008	35	TLB1008009 to TLB1008025	9 - 10	3	1.4	3	3	56	2	1/4”
			11 - 12	4	1.8	4	4			
			13 - 17	5	2.3	5	5			
			18 - 22	6	2.8	6	6			
			23 - 25	8	3.3	8	7			
1108	38	TLB1108009 to TLB1108028	9 - 10	3	1.4	3	3	56	2	1/4”
			11 - 12	4	1.8	4	4			
			13 - 17	5	2.3	5	5			
			18 - 22	6	2.8	6	6			
			23 - 28	8	3.3	8	7			
1210	47.5	TLB1210011 to TLB1210032	11 - 12	4	1.8	4	4	20	2	3/8”
			13 - 17	5	2.3	5	5			
			18 - 22	6	2.8	6	6			
			23 - 30	8	3.3	8	7			
			31 - 32	10	3.3	10	8			
1215	47.5	TLB1215011 to TLB1215032	11 - 12	4	1.8	4	4	20	2	3/8”
			13 - 17	5	2.3	5	5			
			18 - 22	6	2.8	6	6			
			23 - 30	8	3.3	8	7			
			31 - 32	10	3.3	10	8			
1310	51	TLB1310014 to TLB1310035	14 - 17	5	2.3	5	5	20	2	3/8”
			18 - 22	6	2.8	6	6			
			23 - 30	8	3.3	8	7			
			31 - 35	10	3.3	10	8			
1610	57	TLB1610014 to TLB1610042	14 - 17	5	2.3	5	5	20	2	3/8”
			18 - 22	6	2.8	6	6			
			23 - 30	8	3.3	8	7			
			31 - 38	10	3.3	10	8			
			39 - 42	12	3.3	12	8			
1615	57	TLB1615014 to TLB1615042	14 - 17	5	2.3	5	5	20	2	3/8”
			18 - 22	6	2.8	6	6			
			23 - 30	8	3.3	8	7			
			31 - 38	10	3.3	10	8			
			39 - 42	12	3.3	12	8			
2012	70	TLB2012014 to TLB2012050	14 - 17	5	2.3	5	5	31	2	7/16”
			18 - 22	6	2.8	6	6			
			23 - 30	8	3.3	8	7			
			31 - 38	10	3.3	10	8			
			39 - 44	12	3.3	12	8			
			45 - 50	14	3.8	14	9			
2517	85.5	TLB2517016 to TLB2517060	16 - 17	5	2.3	5	5	48	2	1/2”
			18 - 22	6	2.8	6	6			
			23 - 30	8	3.3	8	7			
			31 - 38	10	3.3	10	8			
			39 - 44	12	3.3	12	8			
			45 - 50	14	3.8	14	9			
			51 - 58	16	4.3	16	10			
			59 - 60	18	4.4	18	11			
2525	85.5	TLB2525019 to TLB2525060	19 - 22	6	2.8	6	6	48	2	1/2”
			23 - 30	8	3.3	8	7			
			31 - 38	10	3.3	10	8			
			39 - 44	12	3.3	12	8			
			45 - 50	14	3.8	14	9			
			51 - 58	16	4.3	16	10			
			59 - 60	18	4.4	18	11			

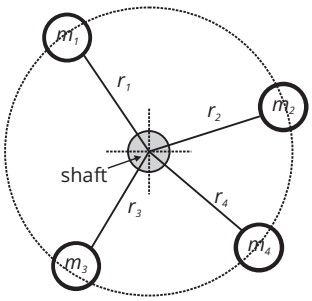
Metric bores, keyway, keys & screws

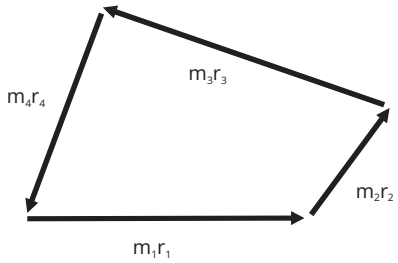
Bush No.	Nominal Diameter at Larger End	Taper Bush Code	Bore Diameter (mm)	Keyway (mm) Width (w)	Keyway (mm) Depth (h)	Key (mm) Width (w)	Key (mm) Depth (h)	Screw Tightening Torque(Nm)	Screw Details Qty.	Screw Details Size
3020	108	TLB3020025 to TLB3020075	25 - 30	8	3.3	8	7	90	2	5/8"
			31 - 38	10	3.3	10	8			
			39 - 44	12	3.3	12	8			
			45 - 50	14	3.8	14	9			
			51 - 58	16	4.3	16	10			
			59 - 65	18	4.4	18	11			
			66 - 75	20	4.9	20	12			
3030	108	TLB3030035 to TLB3030075	35 - 38	10	3.3	10	8	90	2	5/8"
			39 - 44	12	3.3	12	8			
			45 - 50	14	3.8	14	9			
			51 - 58	16	4.3	16	10			
			59 - 65	18	4.4	18	11			
			66 - 75	20	4.9	20	12			
3525	127	TLB3525048 to TLB3525090	35 - 38	10	3.3	10	8	113	3	1/2"
			39 - 44	12	3.3	12	8			
			45 - 50	14	3.8	14	9			
			51 - 58	16	4.3	16	10			
			59 - 65	18	4.4	18	11			
			66 - 75	20	4.9	20	12			
			76 - 86	22	5.4	22	14			
			86 - 90	25	5.4	25	14			
3535	127	TLB3535035 to TLB3535090	35 - 38	10	3.3	10	8	113	3	1/2"
			39 - 44	12	3.3	12	8			
			45 - 50	14	3.8	14	9			
			51 - 58	16	4.3	16	10			
			59 - 65	18	4.4	18	11			
			66 - 75	20	4.9	20	12			
			76 - 86	22	5.4	22	14			
			86 - 90	25	5.4	25	14			
4040	146	TLB4040040 to TLB4040100	40 - 44	12	3.3	12	8	170	3	5/8"
			45 - 50	14	3.8	14	9			
			51 - 58	16	4.3	16	10			
			59 - 65	18	4.4	18	11			
			66 - 75	20	4.9	20	12			
			76 - 86	22	5.4	22	14			
			86 - 96	25	5.4	25	14			
4545	162	TLB4545055 to TLB4545110	96 - 100	28	6.4	28	16	192	3	3/4"
			55 - 58	16	4.3	16	10			
			59 - 65	18	4.4	18	11			
			66 - 75	20	4.9	20	12			
			76 - 86	22	5.4	22	14			
			86 - 96	25	5.4	25	14			
5050	177.5	TLB5050070 to TLB5050125	96 - 110	28	6.4	28	16	271	3	7/8"
			70 - 75	20	4.9	20	12			
			76 - 86	22	5.4	22	14			
			86 - 96	25	5.4	25	14			
			96 - 110	28	6.4	28	16			
			111 - 125	32	7.4	32	18			

Note:

- Key ways are British standard metric B.S. 4235: Part 1:1972 and conform to I.S.O recommendations. Where a key is to be used it should be parallel and side fitting with top clearance. Depth of key way is measured at the center.
- Taper Bush with Imperial bores can also be supplied.

Pulley balancing

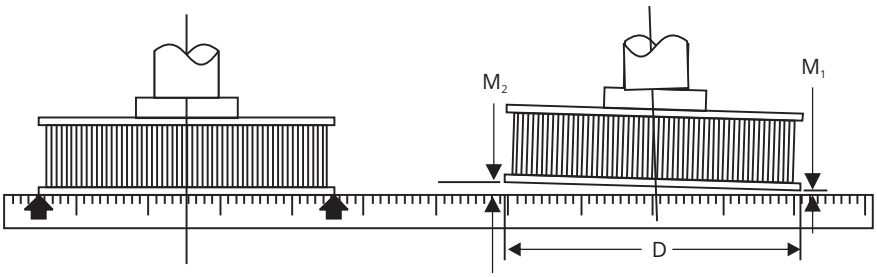




Net moment = $\sum a_1 \times m_1 r_1 = 0$

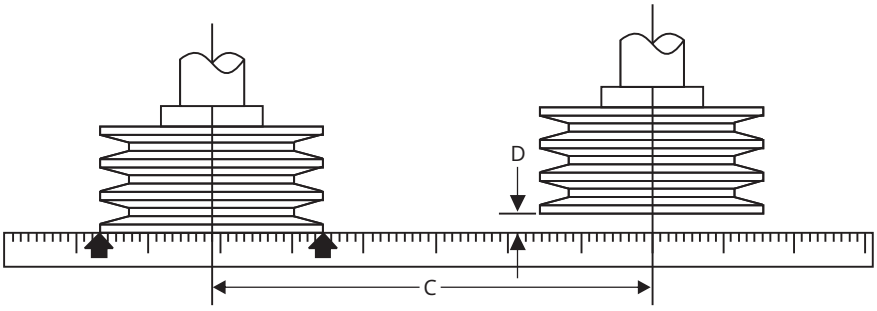
Pulley alignment inspection

Misalignment can either be quantified mathematically, or be compared to some general rules of thumb for quicker and easier results. While using a straight edge to project the plane of the outside face of the sheave or sprocket #1 with respect to sheave or sprocket #2, angular misalignment can be quantified as the difference in clearance between the straight edge and the outside surface of the sheave or sprocket #2 across the diameter.



$$\text{Misalignment} = \text{Tan}^{-1}\left[\frac{M_2 - M_1}{D}\right]$$

The angle of parallel misalignment can be quantified as the difference in clearance between the straight edge and the outer surfaces of the two sheaves or sprockets across the separation distance.



$$\text{Misalignment} = \text{Tan}^{-1}\left[\frac{D}{C}\right]$$

The total allowable misalignment recommended for V-Belts, in general, is 1/2-degree. While individual V-Belts are known to be capable of handling greater amounts of misalignment before becoming unstable, maintaining the misalignment to within 1/2-degree will maximize Belt life.

The total amount of misalignment recommended for synchronous, banded Belts and poly-V Belts is 1/4-degree. These drives are less tolerant of misalignment than conventional V-Belt drives, and must be aligned more accurately.

For V-Belt drives:

1/2-degree angle = approximately 1/10-inch per foot of distance traveled.

For synchronous, 60-degree angle, and V-ribbed drives:

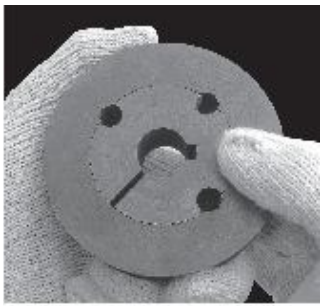
1/4-degree angle = approximately 1/16-inch per foot of distance traveled.

Installation procedure for Taper Bushes

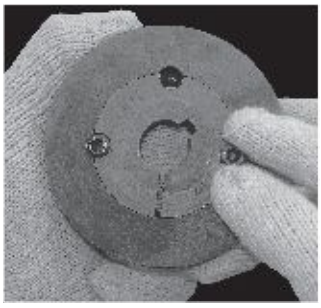
To Install: Clean the shaft, remove oil stains, lacquer and visible dirt. Wipe it dry with a clean rag. Look for any burs on the shaft, or any deformity in the key-way before proceeding. Do not use oil or grease to lubricate the shaft. Follow steps 1 to 4 as shown in below pictures.



Step 1:
First insert the bush in the pulley.



Step 2:
Match the holes of pulleys with those of the bush.

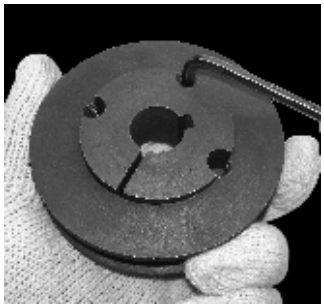


Step 3:
Insert the set-screws manually, tighten them with fingers till possible.



Step 4:
Tighten them further using allen-key. Tighten the screws alternately.

To remove: Carefully remove all the set-screws and insert the screw in the ejecting hole as shown in below picture.



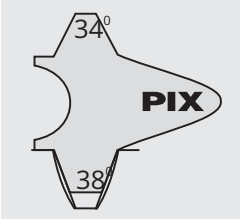
Step 5:
Tighten the screw in the ejecting hole to release the bush.

PIX Pulleys & Couplings
RB International Belting & Automation
9890961752 | 9890340045
www.rbibelting.com

Service equipment

PIX Pulley Gauges





PIX Pulley Gauges are especially designed for checking the profiles of the grooves in a pulley. They can be used in checking the grooves of both the conventional and dual section pulleys.

Procedure to check the grooves in a pulley

1. Identify the pulley gauge to be used according to the section and its diameter.
2. Measure the groove by inserting the gauge. Identify if any clearance lies between the side walls of the groove and the gauge.
3. Measure the clearance using a Feeler Gauge.