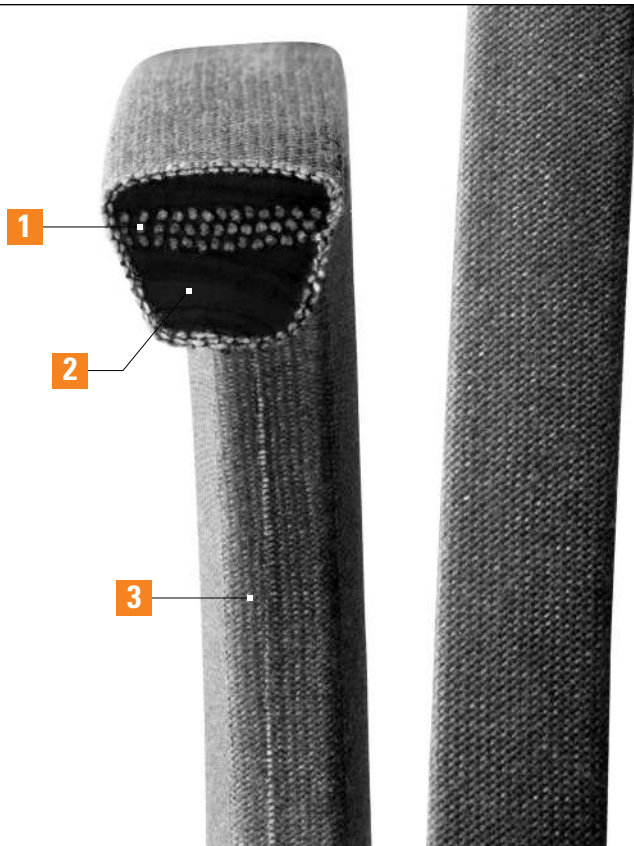


Super Arc®

Specialty Belts



1 High-modulus cord
Multiple layers of polyester cord provide exceptional flexibility, strength and durability

2 Advanced polymer
Highly engineered polymer extends belt life

3 Clutching cover
Superior fabric clutching cover is designed to handle misalignment and enhance wear resistance

Resists extreme stress and wear

Provides just the right amount of slip and grip

Allows the belt to flex around the arc of the conveyor

Excellent flex life

Applications:

Live/powered roller conveyor drives

Super Arc®

Specialty Belts



Specialty heavy duty wrapped belt designed to provide improved flexibility, performance and extended belt life on live/powered roller conveyor drives.

Super Arc belts are designed to resist the extreme stress and wear experienced on powered roller conveyor drives. The brown clutching cover provides just the right amount of slip and grip between the belt and rollers. The multiple layers of small diameter polyester cord allow the belt to flex around the arc of the conveyor. The highly engineered rubber compound supports the cord, while retaining excellent flex life.

Features/Advantages

- Multiple plies of polyester cord provide exceptional flexibility, strength and durability
- Improved rubber compound helps extend belt life
- Superior fabric clutching cover is designed to handle misalignment and enhance wear resistance
- Oil and heat resistant
- Made in the USA



Super Arc V-Belt Part Numbers

Part Number	Outside Circumference (inches)	Outside Circumference (mm)	Weight (lbs)
B Section – Recommended Sheaves: Conventional – QD, Taper Bushed, or MST (A-B)			
B112SA	114.9	2919	1.0
B225SA	226.4	5751	1.1
B135SA	138.0	3505	1.2
B141SA	144.0	3658	1.3
B152SA	155.0	3937	1.4
B155SA	158.0	4013	1.4
B172SA	175.0	4445	1.6
B173SA	176.0	4470	1.6
B174SA	177.0	4496	1.6
B176SA	179.0	4547	1.6
B180SA	183.0	4648	1.6
B192SA	195.0	4953	1.7
B196SA	199.0	5055	1.8
B200SA	203.0	5156	1.8
B208SA	211.0	5359	1.9
B210SA	213.0	5410	1.9
B213SA	214.5	5448	1.9
B215SA	216.5	5499	1.9
B232SA	233.5	5931	2.1
B234SA	235.5	5982	2.1
B240SA	241.4	6132	2.2
B242SA	243.5	6185	2.2
B249SA	250.5	6363	2.2
B250SA	251.5	6388	2.2
B254SA	255.5	6490	2.3
B255SA	256.4	6513	2.3
B262SA	263.5	6693	2.4
B270SA	271.5	6896	2.4
B274SA	275.5	6998	2.4
B275SA	276.5	7023	2.5
B278SA	279.5	7099	2.5
B280SA	281.5	7150	2.5
B285SA	286.4	7275	2.6
B289SA	290.5	7379	2.6
B295SA	296.5	7531	2.7

Super Arc® Specialty Belts

Part Number Example: **B603SA** = **B** **603** **SA**
Cross Section Inside Circumference (Inches) Super Arc Construction

Part Number	Outside Circumference (inches)	Outside Circumference (mm)	Weight (lbs)
B Section – Recommended Sheaves: Conventional – QD, Taper Bushed, or MST (A-B)			
B300SA	301.5	7658	2.8
B308SA	309.5	7861	2.8
B315SA	316.5	8039	2.8
B320SA	321.5	8166	2.9
B330SA	331.4	8418	3.0
B331SA	332.5	8446	3.0
B345SA	346.5	8801	3.1
B355SA	356.5	9055	3.2
B360SA	361.5	9182	3.3
B366SA	367.5	9335	3.4
B372SA	373.5	9487	3.4
B375SA	376.4	9561	3.4
B380SA	381.5	9690	3.5
B386SA	387.5	9843	3.5
B398SA	399.5	10147	3.7
B405SA	406.4	10323	3.7
B416SA	417.5	10605	3.8
B430SA	431.5	10960	3.9
B431SA	432.5	10986	3.9
B436SA	437.5	11113	3.9
B445SA	446.4	11339	4.0
B447SA	448.5	11392	4.1
B458SA	459.5	11671	4.2
B460SA	461.4	11720	4.2
B465SA	466.5	11849	4.3
B473SA	474.5	12052	4.3
B482SA	483.5	12281	4.4
B493SA	494.5	12560	4.5
B494SA	495.5	12586	4.4
B500SA	501.4	12736	4.5
B508SA	509.5	12941	4.6
B511SA	512.4	13015	4.6
B522SA	523.5	13297	4.8
B525SA	526.5	13373	4.8
B537SA	538.5	13678	4.9

Part Number	Outside Circumference (inches)	Outside Circumference (mm)	Weight (lbs)
B Section – Recommended Sheaves: Conventional – QD, Taper Bushed, or MST (A-B)			
B543SA	544.5	13830	4.9
B553SA	554.5	14084	5.1
B564SA	565.5	14364	5.1
B572SA	573.5	14567	5.1
B587SA	588.5	14948	5.4
B603SA	604.5	15354	5.4
B618SA	619.5	15735	5.5
B632SA	633.5	16091	5.8
B660SA	661.5	16802	5.5

Super Arc Round Belt Part Numbers

Part Number	Diameter (in)	Effective Length (in)	Weight (lbs)
Use sheaves recommended by the equipment manufacturer.			
916R155SA	9/16"	155	1.6
916R200SA	9/16"	200	2.1
916R210SA	9/16"	210	2.1
916R233SA	9/16"	233	2.3
916R289SA	9/16"	289	2.9
916R308SA	9/16"	308	3.1
916R345SA	9/16"	345	3.4
916R386SA	9/16"	386	4.1
916R416SA	9/16"	416	4.4
916R447SA	9/16"	447	4.5

Note:
 Super Arc belts are NOT static dissipating.
 Super Arc belts are NOT Chek Mate® matched.
 Normally used as a single belt on a drive and matching is not required.

Timken® Super Arc® Belt puts distribution warehouse ahead of the curve

CHALLENGE

A customer was struggling with a competitor's belt that would not perform on a live/powered roller conveyor drive used in a large distribution hub warehouse. The conveyor, located not far from a conference area, was making a lot of racket and the noise levels were not acceptable. They shut down the machine for nearly an hour while the belt manufacturer's representative made adjustments to the idlers, rollers and belt tension – sure this would solve the problem, only to find that it was just as loud when they started it back up.

TIMKEN BELTS SOLUTION

The Timken® Super Arc® belt is specially designed for live/powered roller conveyor drives and uses special fabrics and compounds to achieve the perfect amount of slip and grip needed to put the rollers in motion. Constructed with a clutching cover and multiple layers of small diameter polyester cord that allow the belt to flex while maintaining strength, the Super Arc belt was exactly what this challenging drive required.

The newly installed and properly tensioned B192SA Super Arc belt immediately “ran perfectly” according to the customer, and the racket disappeared, bringing the drive into the acceptable decibel (dB) range for that application. The belt easily navigated the tight turns as well as the horizontal transitions between different conveyor levels.



RESULTS THAT MATTER

Pleased with the immediate results and a successful solution, the customer promptly ordered additional belts for other drives on the premises. The Timken Super Arc belt put the conveyor back in motion, ending the noise and downtime brought on by the competitor's belt.

