

ACCU-LINK®



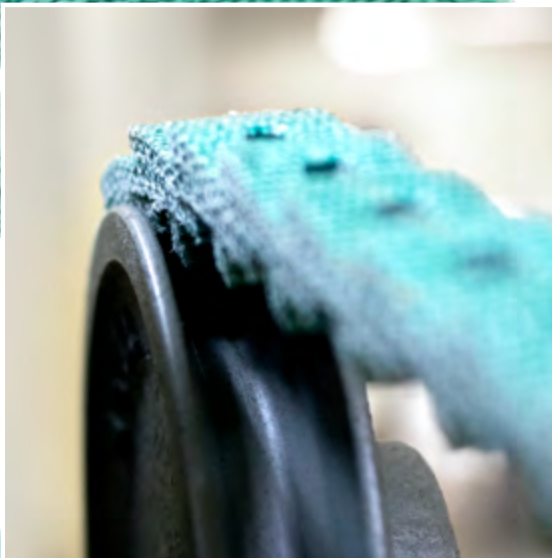
ACCU-LINK®

Adjustable Link V-Belt

Accu-Link is Megadyne's link belt, created and developed as an alternative to classical rubber V-belts. Megadyne's Accu-Link combines superior strength and durability with quick and easy assembly and installation. The original concept is to give a fast replacement to classical V-belts in case of a break. Today, Accu-Link is used in a very wide range of applications as original equipment.

Accu-Link is a link belt: this means it is made of several links assembled together. Thanks to this, belts can have any length just by modifying the number of links.

Links are made with a polyurethane material, reinforced by a multilayer woven polyester fabric. State-of-the-Art manufacturing produces a high-quality link design which yields superior performance. Accu-Link is precision ground for a smooth side edge and section, which leads to a smooth, silent, low vibrating belt.



Main features and advantages

- **EASY TO ASSEMBLE**
Accu-Link can be assembled without tools and in a matter of seconds.
- **EASY TO INSTALL**
Accu-Link can be adapted to any length; in case of difficult layout or when taking the drive apart would take too long. Accu-Link can be installed open and closed afterwards, in a very easy and fast way.
- **SMALL INVENTORY**
With one roll of Accu-Link it is possible to get any length of classical V-belts; with one roll per section, inventories will be much smaller, easier and less expensive to manage.
- **HIGH POWER RATE**
Accu-Link has power ratings similar to classical V-belts.
- **HIGH RESISTANCE TO ENVIRONMENT**
Thanks to its state-of-the-art materials, Accu-Link can withstand salt, chemicals, oils and grease. This increases the life time compared to standard rubber V-belts.
- **HIGH TEMPERATURE RESISTANCE**
Accu-Link can operate in a wide range of temperatures: -25 °C / +80 °C (-13 °F / 176 °F)
- **HIGH RESISTANCE TO HARSH ENVIRONMENTS**
Accu-Link is suited for harsh environments where it can outlast standard rubber V-belts.
- **QUIET AND SMOOTH RUNNING**
Due to the independent link design, Accu-Link runs quieter and smoother than a classical V-belt.

Applications

Accu-Link belts can be used in a wide range of applications. The following table lists some of the main applications where Accu-Link Adjustable Link V-Belts are widely used with the advantages compared to classical rubber V-Belts.

APPLICATIONS	MAIN ADVANTAGES
Marine industry	Higher resistance to salty and greasy environments Reduced inventory
Air handling	Easier and quicker to install
Metal and wood working machines	Reduced noise, reduced vibration
Poultry industry	Enhanced resistance to harsh environments
Agriculture	Enhanced resistance to typical agri-environments
Rolling conveyor	Easier and quicker to install Better performing in case of pulley misalignment
Glass industry	Non staining
Tiles and marble conveyor	Easier and quicker to install Enhanced resistance to harsh environments

Range

Accu-Link belts are available in 3L, A/4L, B/5L and C sections. Accu-Link can work on standard pulleys for V-belts. Megadyne can supply open end Accu-Link in carton boxes or endless belts in carton sleeves.

	3L	A/4L	B/5L	C
Belt weight g/m (+/-1,5)	43.0	76.5	117.5	178.5
Min pulley diameter (mm)	45	80	140	225
Service temperature range	-13 °F / 176 °F (-25 °C / +80 °C)			
Standard roll lengths (ft)	25-100	25-100	25-100	25-50
Standard sleeve lengths (ft)	5	5-6	6	5

Measuring



1. Pull the belt tight around the sheaves to check the needed length, overlap the last two tabs where two holes matching. (shown above)

2. Count the number of links and remove one link every 24 for 3L, A/4L and B/5L sections, and one link every 20 for C section to get the proper installation tension.

3. For multiple belt drives, be sure that each belt has the same number of links.

Assembling



1. Holding the belt with the tabs upwards, let the tab of one belts end go through two links at once.

(three if C section)



2. Flexing the belt as much as needed, twist and insert the second tab through the end link.



3. Ensure that tab will stay perpendicular to the belt's running direction; reverse the belt upside down to let it run on the tab side.

Disassembling



1. Put the belt with the tabs upwards and bend it as much as possible.



2. Twist one tab 90° to make it parallel to the belt; this way you can pull the end of the link over the tab.



3. Rotating the belt by 90° you can now easily pull one belts end away from the other one.

NOTE: Unlike conventional V-Belts, Accu-Link can be rolled onto pulleys - no cord to break.

Installation

1. Be sure that the belt has the tabs on the inner side: the belt has to run with the tabs oppositely facing the running direction;
2. Fit the belt in the nearest groove of the smallest sheave and then roll the belt onto the larger sheave. For multiple belt drives, repeat the operation on all the grooves
3. Always make sure belts are tight and tabs are still in the correct position.

If it is easy to move the drive, you might install the belt in the following way:

1. Set the engine in mid position of its adjustment range and mark this position clearly;
2. Check the belt's length as previously shown;
3. Move the engine forward to reduce the center distance;
4. Install the belt as in "INSTALLATION" paragraph;
5. Pull the engine back to the previously marked position.

Retensioning

As in any V-Belt drive, Acculink belts require to check for tension after 24 hours of full load operating time. If the belt is not tight enough, restore the tension by removing some links. Check the belt's tension periodically and restore tension.

About Megadyne Americas

The cornerstone of today's Megadyne Americas, a member of the Megadyne Group, was laid in 1993 when Megadyne (Mathi, Italy) and Jason Industrial (Fairfield, NJ), worked together to establish Megadyne America - a urethane timing belt manufacturing plant in Charlotte, NC. In 2007, Megadyne acquired Jason Industrial. In 2014, Megadyne acquired Belt Corporation of America, headquartered in Cumming, GA and in 2015 acquired Sampla Belting, with manufacturing and fabrication in Lackawanna, NY. Today these companies form Megadyne Americas, which serves North, Central and South America. Megadyne Americas offers a full range of power transmission, conveyor and specialty belts; and industrial and hydraulic hose, couplings, equipment and accessories.

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