



Detachable V belts

For V shaped pulleys

PowerTwist Plus PTP

PowerTwist Plus V belts are designed to excel in applications where conventional belts will not work or are difficult to install. PowerTwist Plus offers many advantages.

- Quick and easy installation.

Downtime is no longer measured in hours but in minutes. PowerTwist Plus is hand assembled on site to the length required. Equipment does not have to be stripped down and no special tools or welding is required.

- Long operating life

PowerTwist Plus is capable of high performance even in the most difficult conditions. The belts resist high temperatures (greater than 100°C), abrasion and exposure to oil, grease, water, steam and solvents/chemicals.

- Reduced maintenance.

No re-tensioning or lubrication is required.

- Reduced noise.

The design of PowerTwist Plus means that noise is reduced by up to 50%

- Greater lengths available

PowerTwist Plus can be assembled to the length required and allows greater spacing between pulleys

- Reduced stock

With PowerTwist Plus there is no longer need to hold stocks of every belt length.

- No marking/scuffing

PowerTwist Plus will never leave any marks on the product being transported



Typical applications

DISCOUNTS

Qty.	1+	5+	10+	15+	20+
Disc. List.	-5%	-10%	-15%	On request	

Part number	Type of section	Length (mm)	Stock*	Price each 1 to 4
PTP-Z/10	Z/10	2000	✓	98,07 €
PTP-A/13	A/13	2000	✓	99,91 €
PTP-B/17	B/17	2000	✓	116,01 €

Depending on availability - Dimensions in mm

Detachable V belts

STL
PTP

Installation instructions

PowerTwist Plus®
V-BELTS

SUPER T LINK®
SP WEDGE BELTS

I - How to measure the length

- 1 - Pull the belt tight around the pulleys to check hand tight length, overlapping the last two holes on the end with the corresponding studs in the opposite end to determine the initial length. (See Fig. 1.)
- 2 - Count the total number of links and remove the appropriate number of links to obtain the necessary pre-tension. For Z, A and B sections remove 1 in 11 links, for C sections remove 1 in 13, for SPZ, SPA and SPB sections remove 1 in 15 and for SPC remove 1 in 17. On multi-belt drives ensure that each belt has the same number of links.



II - Dismantling

- 1 - To unfasten, turn 2 adjacent stud heads 90° (See Fig. 2).
- 2 - Insert tool and twist (See Fig. 3).



III - Installation

- 1 - The belt will run equally well in either direction. For multiple belt drives install all belts to run in the same direction.
- 2 - Join the two ends of the belt, around the pulley shafts if necessary, by inserting the stud heads of the last links into the corresponding holes and turning the heads 90°.
- 3 - Fit belt into nearest groove of the smallest pulley and roll belt onto the larger pulley by hand turning the drive slowly. Fig. 4. The belt may seem very tight, this is normal. DO NOT DISTURB THE MOTOR.
- 4 - For close ratio drives additional links may need to be added to ease installation. (NOTE: This does not apply if using the Alternative Installation Method.)



IV - Alternative Installation Method

- 1 - Set motor to mid-position of adjustment range and mark the base clearly.
- 2 - Determine required belt length as in I.
- 3 - Push motor forward to minimum centre distance.
- 4 - Install belts as in III.
- 5 - Pull motor back to previously marked mid-position.

V - Re-tensioning

Like all high performance V belts, SuperTLink require the correct drive tension to be maintained to operate efficiently. Experience indicates that drive tension should be checked after 20 - 30 minutes running at full load. Re-tensioning may be necessary after 24 hours depending on the how hard the drive has been driven. Any initial belt stretch should then be taken up. Subsequently, belt tension should be checked periodically and adjusted as and when necessary.