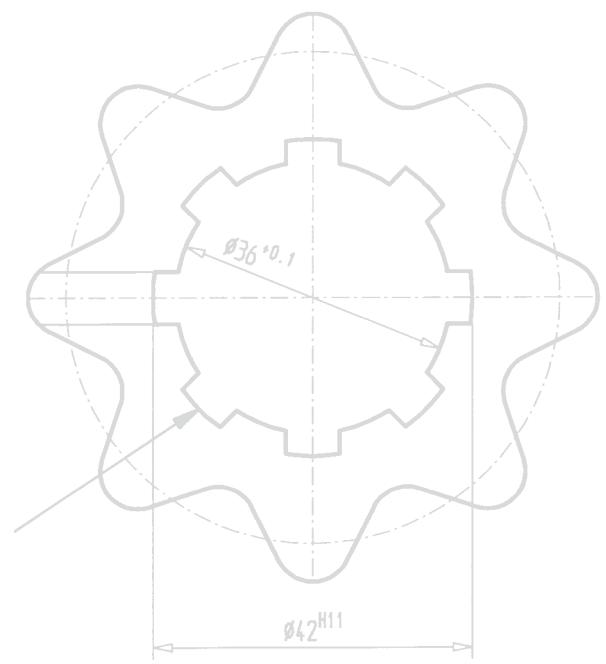
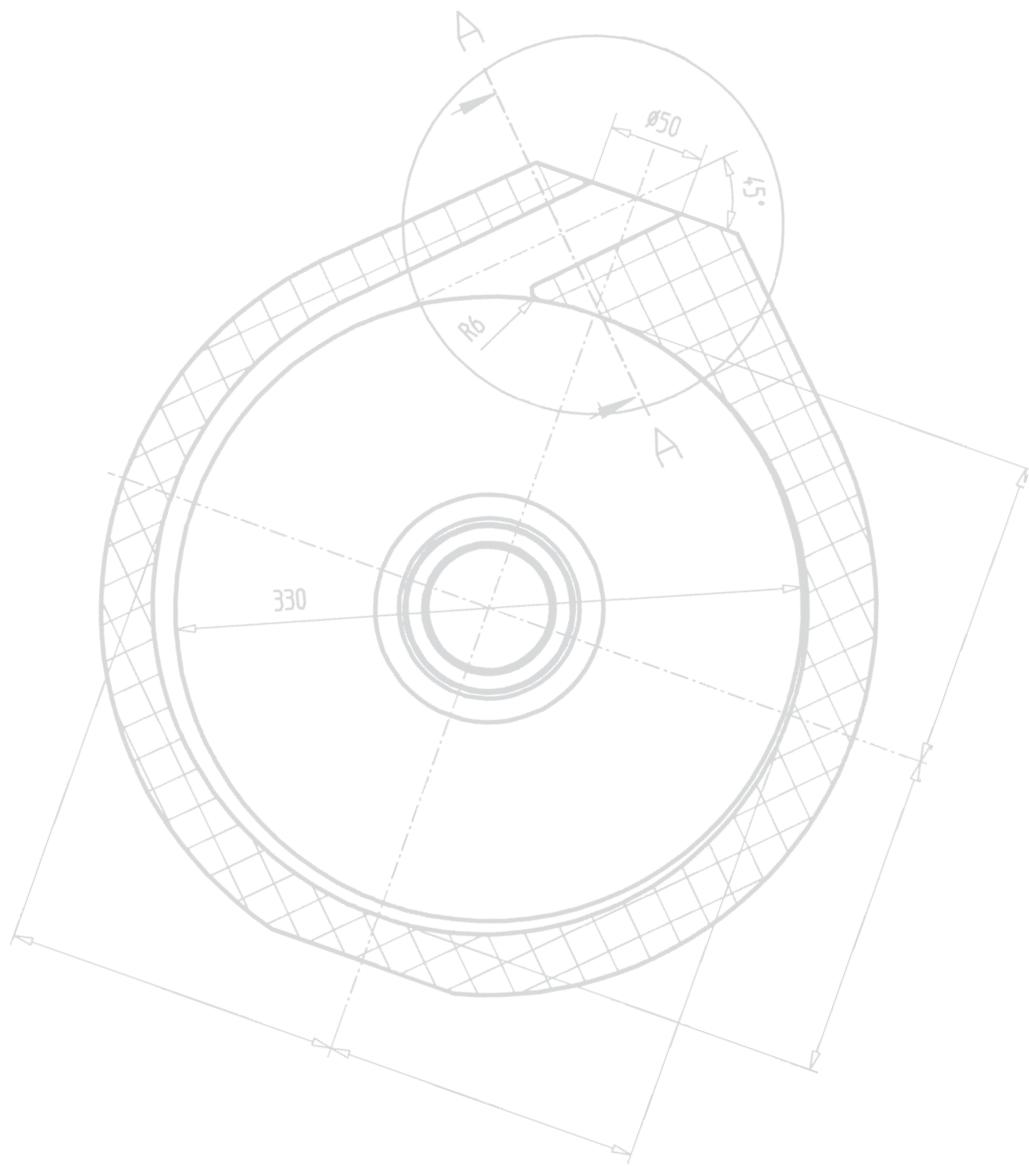




Automatic Chain and Belt Tensioners

Make Use of the Selection Assistant on our Web Site!
[www.murtfeldt.de/Products/Standard Products](http://www.murtfeldt.de/Products/Standard%20Products)



Automatic Chain and Belt Tensioners

SPANN-BOX® and SPANN-BOY®



Smooth production runs

In the past, cyclists were frequently tempted to counteract slack chains by vigorous pre-tensioning.

Result – sluggishness, often accompanied by clicking noises, caused by too much stress on the chain links.

Today's generation of cyclists knows nothing of their parents' tensioning problems. Their bikes already come with effective built-in tensioners.

Chain/belt tensioners in materials handling installations share the same basic aim – to increase chain or belt life and thus, in turn, help components to continue to run smoothly.

A Murtfeldt tensioning device can keep the non-driving free length's combined force of chain weight plus centrifugal force under control, one of our basic aims having been to find a way of matching the spring force to individual chain sizes and installation conditions.

Similarly for belt tensioners: Different drive and conveyor belts need different rates of pre-tensioning.

Advantages

These are the advantages Murtfeldt automatic chain and belt tensioners can offer you:

- ▶ quiet running of chain
- ▶ reduced wear around chain links and drive wheels
- ▶ lower operating noise levels
- ▶ automatic readjustment
- ▶ compensation of chain/belt stretch
- ▶ suitable as chain/belt controllers
- ▶ suitable for chain/belt drive returns
- ▶ small size
- ▶ easy to install

In stock

Our standard range includes a multitude of different tensioning systems, enabling us to meet virtually any ad-hoc demand ex stock. Tell us about your problem – we deliver immediately.

Should your problem need individual attention, our consultants are sure to develop a successful custom solution for you – free of charge and without obligation, of course.

Selecting the Right Chain Tensioner



To select the chain tensioner best able to meet your demands, please first define your parameters:

- ▶ chain sprocket configuration; centre distances (please supply sketch)
- ▶ chain type
- ▶ single direction of travel or reversible?
- ▶ chain speed (if speed exceeds 1m/s, we can recommend suitable alternatives)
- ▶ is chain lubricated or dry-running?
- ▶ continuous or intermittent operation?
- ▶ do you anticipate any contamination (scale, wood or metal chips) liable to accelerate wear on plastics?
- ▶ will the tensioner be exposed to temperatures above 60 °C?
- ▶ any chemical influences?

We will be pleased to support you in selecting the right chain tensioner.

Please ask us to fax you our 'Chain and Belt Tensioners' information sheet.



We recommend that, if possible, you tension your chain using a tensioning system with a slide profile which results in quieter running of the chain, reduced noise levels and less wear on chain links.

Where space is extremely restricted, chain sprockets with small diameters tend to be used. Their low number of teeth leads to uneven and noisy running of the chain and associated vibrations accelerating chain link wear.

The best way to tension a chain is to use slide profiles. The radius of the most popular SPANN-BOX® arc segment profile corresponds to a chain sprocket diameter of 180mm. That means it is approximately three times larger than that of a standard idler sprocket.

Selection Chart

Slide Profiles for Chain Tensioners and Their Advantages

Arc segment profile

This is the best slide profile form and generally supports several rollers at a time, thus ensuring that the chain runs evenly and smoothly.

Semicircular profile

Recommended only for 90° returns and where installation space is tight, this profile tends to be in contact with just a few chain rollers at a time which may lead to running noise and chain vibrations.

Return profile

Suitable for returns up to 180°, this profile controls excessive chain stretch if properly installed.

Block profile

Both the dead weight of large roller chains as well as the forces of gravity acting on the tensioner depending on the mode of operation place high demands on its construction. Therefore the slide profile and spring core of this design are made in one piece (no bolt connection) to ensure the high stability required. To support the maximum number of large pitch chain rollers, the slide profile has been extended to 300mm.

Chain sprocket/ roller

For small returns or very high chain speeds (frictional heat), both SPANN-BOY® and SPANN-BOX® are also available with chain sprockets or rollers.

Selection Chart

Size			Simplex Chain						Duplex Chain						Triplex Chain								
Chain	Pitch	DIN ISO	mm	in.	MINI-TENSIONER	SPANN-BOY®	SPANN-BOY TS®	SPANN-BOX® Size 0	SPANN-BOX® Size 30	SPANN-BOX® Size 1	SPANN-BOX® Size 2	MINI-TENSIONER	SPANN-BOY®	SPANN-BOY TS®	SPANN-BOX® Size 0	SPANN-BOX® Size 30	SPANN-BOX® Size 1	SPANN-BOX® Size 2	SPANN-BOY®	SPANN-BOY TS®	SPANN-BOX® Size 30	SPANN-BOX® Size 1	SPANN-BOX® Size 2
Chains not listed up to 15 mm width²⁾					2)	2)	2)	2)					2)	2)	2)	2)	2)						
06B	9.525	3/8				2)	2)	2)	2)	2)	2)												
08B	12.7	1/2					2)	2)	2)	2)	2)												
10B	15.875	5/8						2)	2)	2)	2)												
12B	19.05	3/4						2)	2)	2)	2)												
16B	25.4	1								2)	2)												
20B	31.75	1 1/4									2)												
24B	38.1	1 1/2										2)											
28B	44.45	1 3/4										2)											
32B	50.8	2										2)											
40B	63.5	2 1/2										2)											
48B	76.2	3										2)											

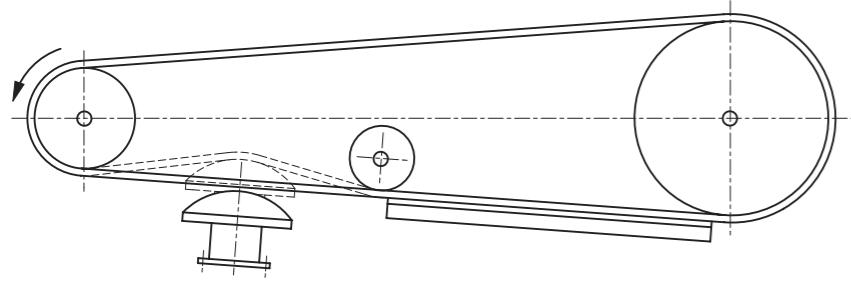
¹⁾ For duplex and triplex chains, several[®] tensioners may be installed side by side.

²⁾ Slide profile/return roller equipped with U-profile.

Special designs on request

This selection chart is intended to help you choose the type of slide profile and SPANN-BOX® size required. For example: Chain size 10B (5/8"), simplex chain with narrow installation ratio => SPANN-BOX® Size 1 with semicircular profile or chain sprocket. Please see information on reverse for spring forces required or contact our application engineers.

How Our Tensioning System Works



Optional 'light' or 'heavy-duty' spring force

All Murtfeldt tensioning systems are available in two versions, with either 'light' or 'heavy-duty' spring force. You can also choose between one, two or three springs depending on the type selected, thus widening the choice yet further to three different spring force values. Whichever spring force you choose, it is generated by individual compression springs inside a metal or plastic casing exerting pressure on a mobile profile in wear-resistant Original Material "S"®, which in turn transmits that pressure to the chain or belt running over it. Our tensioners MINI-TENSIONER, SPANN-BOY® and SPANN-BOX® Size 0 are available with one and two tensioning springs, the other SPANN-BOX® systems with three, totalling spring forces of 13 to 786N for instance.

Colour code indicates amount of spring travel taken up

Colour markings on the tensioner show optimum spring pressure or change in spring force, if applicable.

Easy installation

For ease of installation, all Murtfeldt chain and belt tensioners have locking screws holding down their spring force. Once the tensioner has been fitted in its final position, its spring force can be released exactly as required. In tensioners with three springs, for example, each locking screw releases one spring, thus permitting highly variable spring force control.

Selecting the spring force

These options allow you to establish the most appropriate tension – during the test run at the latest. A spring initially kept in reserve may well be useful for adjusting the spring force later. And the choice of 'light' or 'heavy-duty' spring force for every size of tensioner offers you a total of six different spring force options.

Another advantage: As long as the installation remains unchanged, the spring force is still not exhausted even after the relatively long spring travel of 40mm or 60mm has been taken up.

Proven quality

The steel casings of our chain and belt tensioners are solidly constructed to be highly stress resistant.

Zinc phosphate dipcoating ensures excellent corrosion protection while the surface is synthetically enamelled at 180°C to make it shock and scratch proof all-round.

An economical, robust and corrosion-resistant alternative are SPANN-BOX® Sizes 0 and 30 with fibre glass reinforced plastic casings. Of course their slide profiles are made from Original Material "S"®, as are those of all SPANN-BOX® types.

The tensioning system itself is zinc galvanized. For applications requiring even higher corrosion resistance, a stainless steel range is also available.

Operation in critical temperature ranges

Given the right choice of suitable materials from our range, tensioning systems can be used even in critical temperature ranges, as follows:

Standard steel springs: -10/+170°C

Stainless steel springs: -40/+200°C

For operating temperatures above 60°C we recommend you get in touch with us so that we can suggest the best material for you.

Our tensioning systems

SPANN-BOY® and SPANN-BOX® operate on a spring-loaded/free-running basis and, under load, are not intended to act as a rigid return which might result in excessive surface pressure and associated slide profile wear.

If SPANN-BOX®/SPANN-BOY® tensioners are fitted underneath the chain, the weight of the chain on the tensioner has to be added to the total spring force required.

With relatively large centre distances, a supporting slide rail helps to ensure that the weight of the chain does not reduce the spring force of the tensioner too much. An additional support roller or skid serves to keep in place the nondriving free chain length requiring tensioning (which should be as short as possible). Best results are achieved with a chain tensioner just behind the drive sprocket.

Tension data and spring travel

Type	MINI-TENSIONER		SPANN-BOY®		SPANN-BOY® TS		
Spring travel, mm	16	16	40	40	40	40	40
Spring type	light	heavy-duty	light	heavy-duty	light	heavy-duty	extra heavy-duty
Spring force	N	N	N	N	N	N	N
1 spring released	19–13	85–58	58–32	132–60	65–33	125–63	–
2 springs released	–	–	–	–	–	–	190–96
3 springs released	–	–	–	–	–	–	–

Type	SPANN-BOX® Size 0		SPANN-BOX® Sizes 30 & 1 resp.		SPANN-BOX® Size 2	
Spring travel, mm	40	40	40	40	60	60
Spring type	light	heavy-duty	light	heavy-duty	light	heavy-duty
Spring force	N	N	N	N	N	N
1 spring released	58–32	132–60	58–32	132–60	148–82	262–118
2 springs released	–	–	116–64	164–120	296–164	524–236
3 springs released	–	–	174–96	396–180	444–246	786–354

The weight of the lower end of the chain requiring tensioning should not exceed the force of a spring already 50% released. The second and third spring may be released later as required.

Even though our extensive standard range covers most applications, for best results a number of factors should be taken into account prior to selecting a particular chain tensioner.

That is why we offer our clients a free consultation with our application engineers.

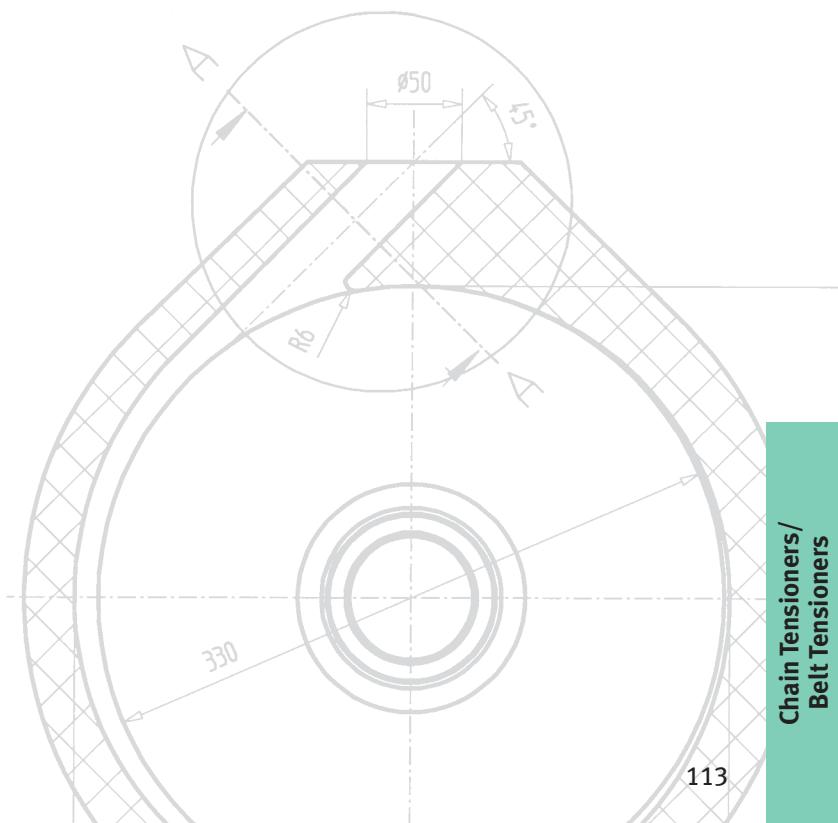
Visual Indicator



Our SPANN-BOX® Sizes 0, 30, 1 and 2 chain and belt tensioners are equipped with colour coded markings as standard, allowing maintenance engineers to check at a glance how much spring travel has been taken up at the SPANN-BOX®.

The green marking shows that chain tension is within the correct operating range. If there is insufficient spring force to ensure optimum quiet running, the colour code signals red and the tensioner should be readjusted. Only after all possible readjustment options have been exhausted, need the chain be shortened or replaced.

- ▶ Tensioners with return profile for chains up to 08B-3 have visual indicators
- ▶ For production reasons, tensioners with block profile have no visual indicators



NEW!



These ancillary installation systems allow low-cost, easy and flexible fitting as well as quick and easy readjustment of both SPANN-BOX® and SPANN-BOY®TS systems, thus avoiding costly downtimes at your plant.

SPANN-BOX® Sizes 0/30/1 SPANN-BOY® TS

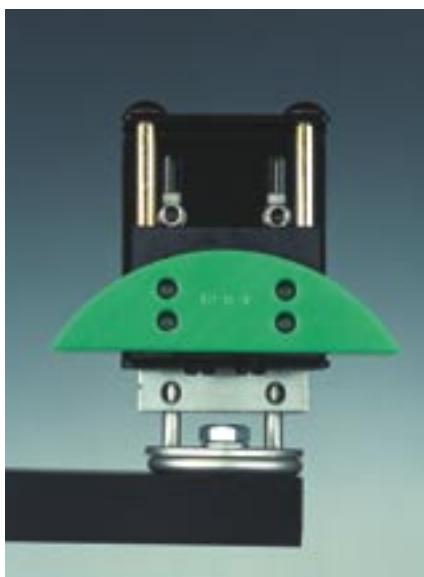
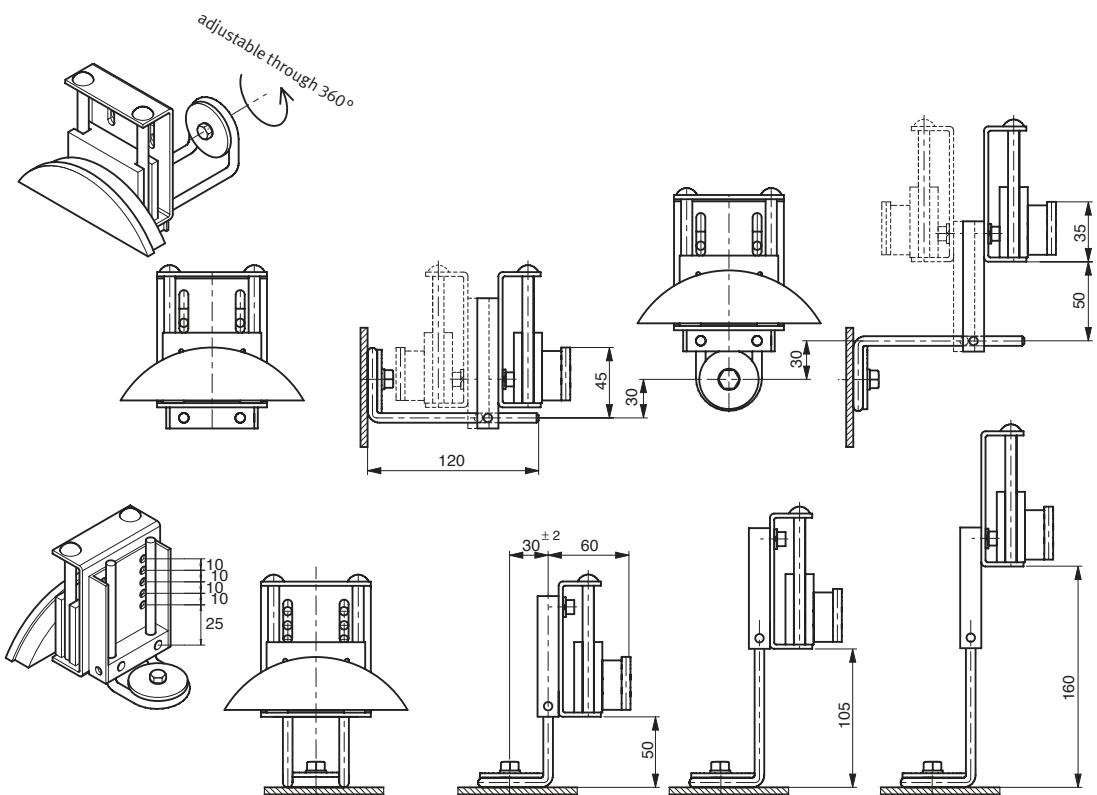
Until recently, two bolts were needed to fit these installation systems. Now, our new SMART MATE® offers low-cost, easy and flexible single-bolt fitting.

These are its decisive advantages:

- ▶ One central bolt fits complete system to installation or machine frame
- ▶ Infinitely variable adjustment of SPANN-BOX® and SPANN-BOY®TS by max. 180mm towards chain/belt centre in both horizontal and vertical positions
- ▶ Complete system can be swivelled by 360° for optimum positioning
- ▶ All installation systems can be fitted horizontally as well as vertically
- ▶ Swivelling the system by 180° allows both height and lateral adjustments of max. 60mm

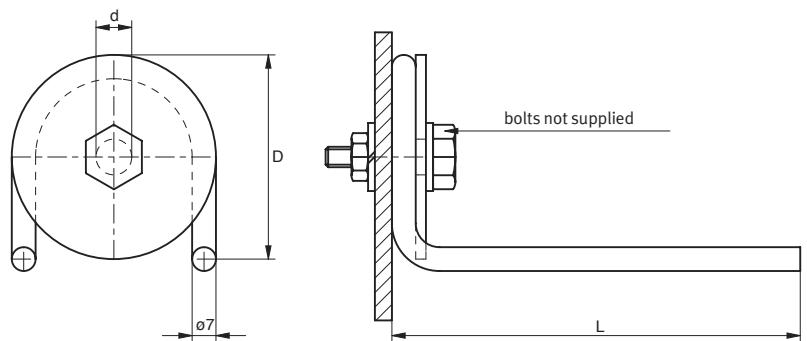
- ▶ SPANN-BOX® Size 1 can be fitted diagonally
- ▶ Surplus length of brackets may be shortened if necessary
- ▶ All SMART MATE® parts are made from stainless steel and thus corrosion resistant
- ▶ Your chosen installation system is available as a complete set for SPANN-BOX® Sizes 0, 30 and 1 as well as for SPANN-BOY®TS
- ▶ Set contains all Allen Keys needed for adjustment

Set SMART MATE® for SPANN-BOY® TS



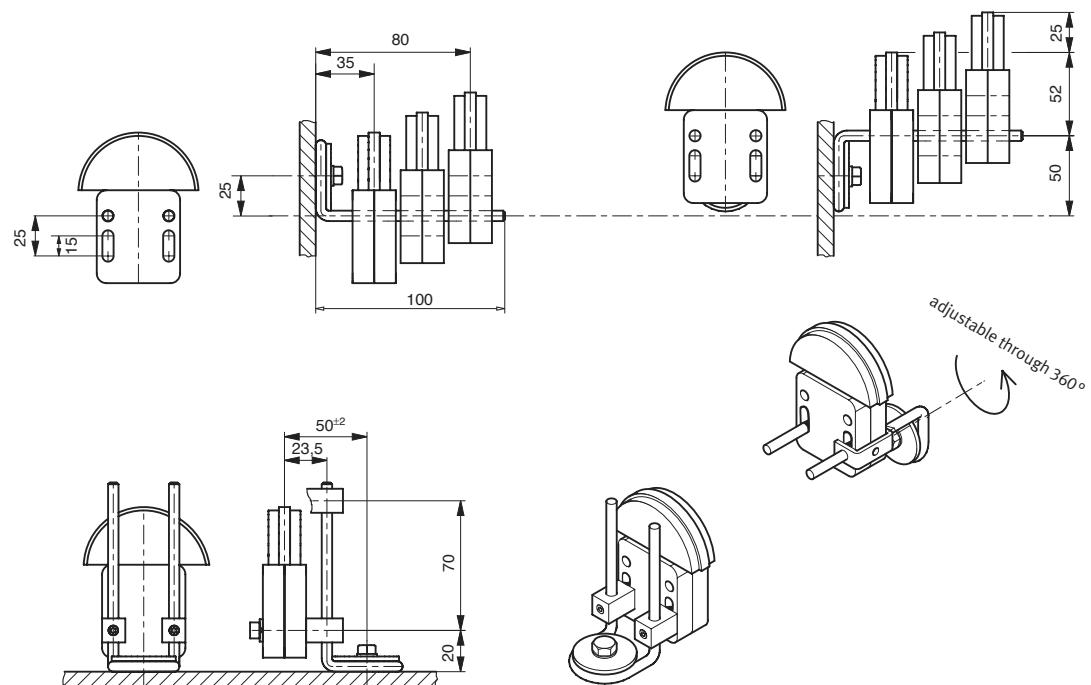
D mm	L mm	d mm	Part no.	Availability
60	120	10.5	281 090 026	●

- ex stock
- at short notice on request

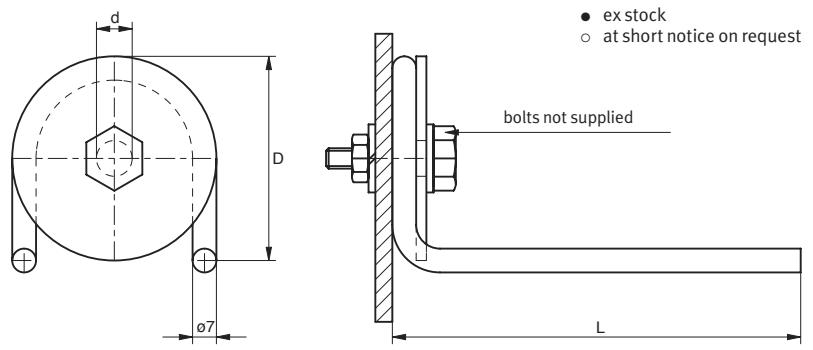


Set SMART MATE® for SPANN-BOX®

Size 0

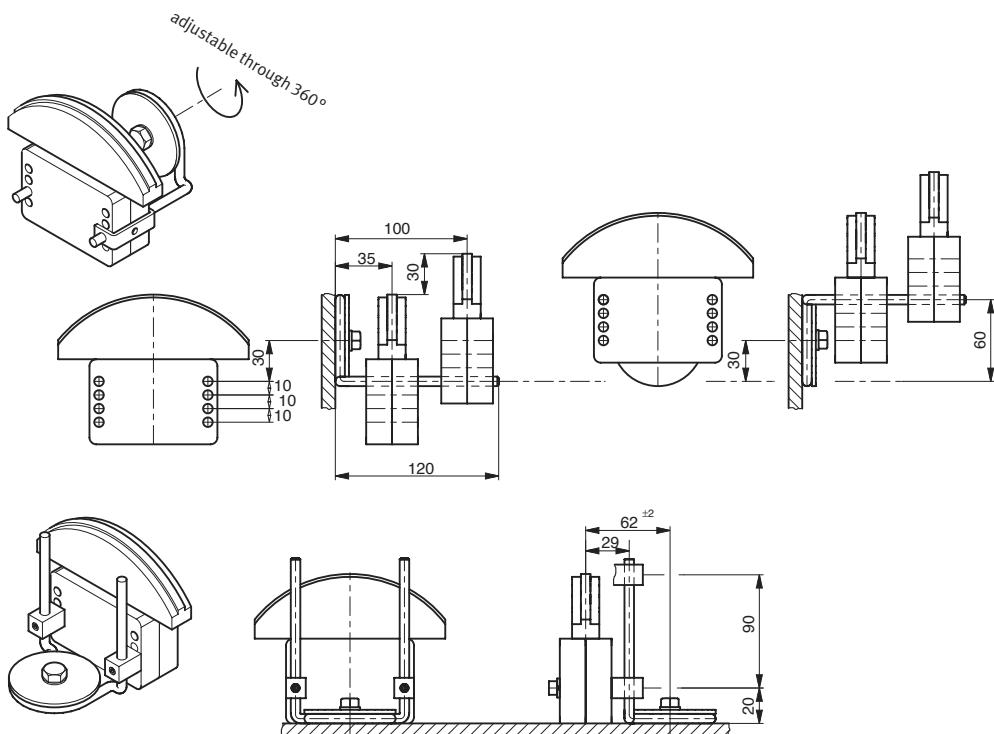


D mm	L mm	d mm	Part no.	Availability
40	100	8.5	281 090 023	●



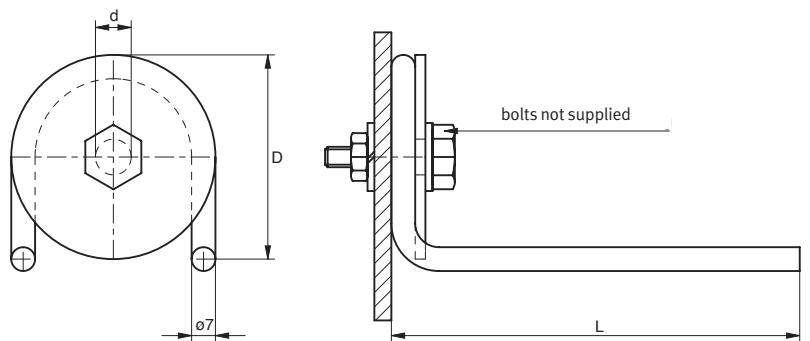
Set SMART MATE® for SPANN-BOX®

Size 30



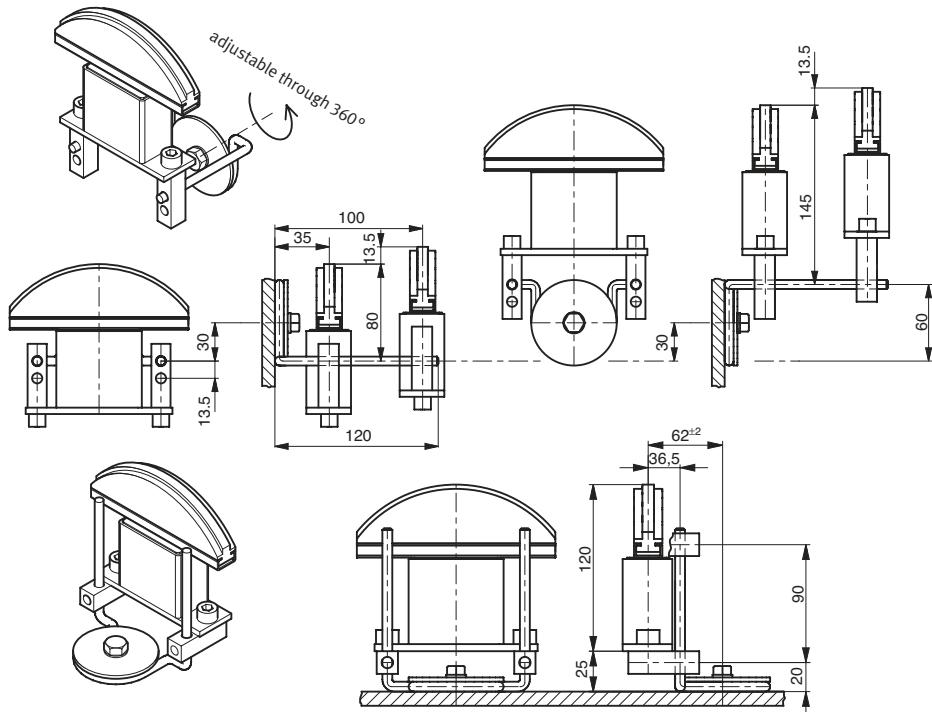
D mm	L mm	d mm	Part no.	Availability
60	120	10.5	281 090 025	●

- ex stock
- at short notice on request



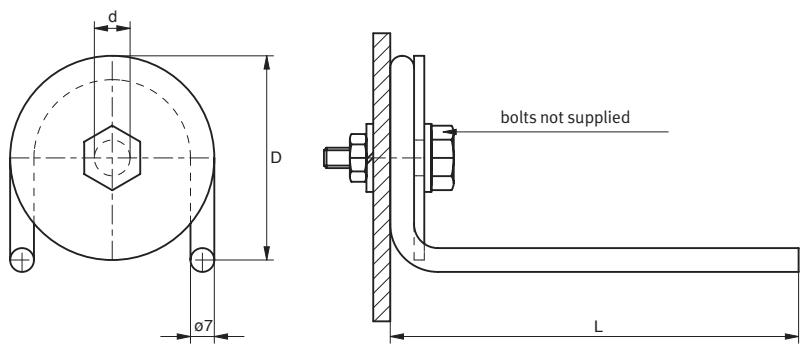
Set SMART MATE® for SPANN-BOX®

Size 1



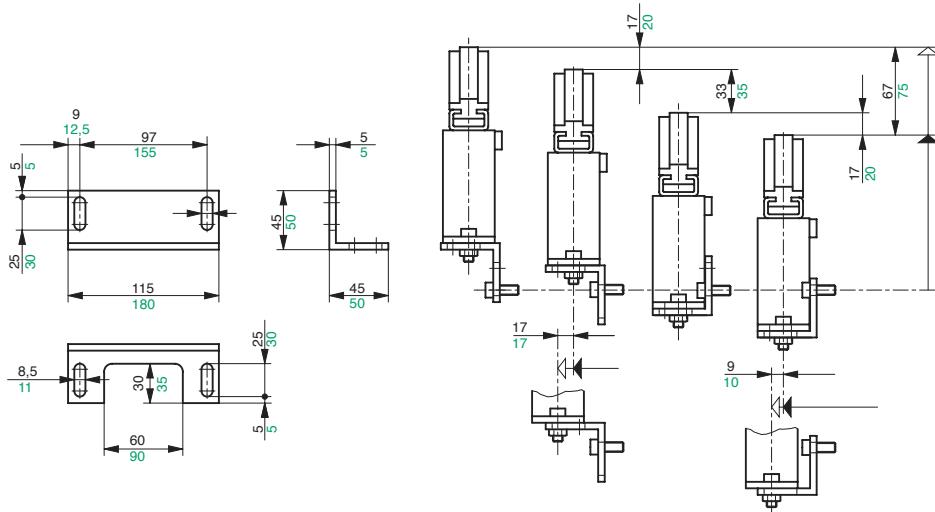
D mm	L mm	d mm	Part no.	Availability
60	120	10.5	281 090 024	●

- ex stock
- at short notice on request



Fixing Brackets

The Ideal Fixing Method for SPANN-BOX® Sizes 1 & 2

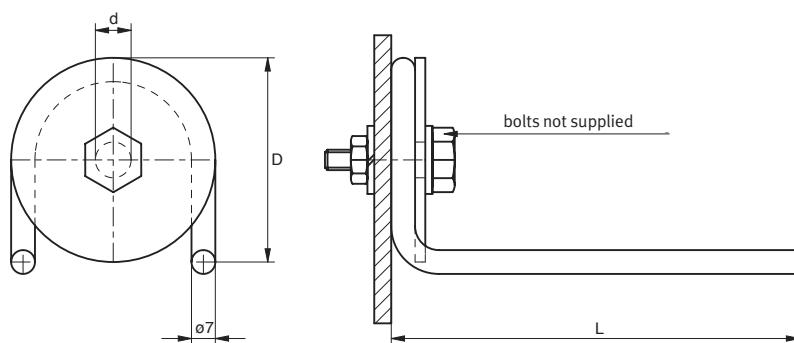


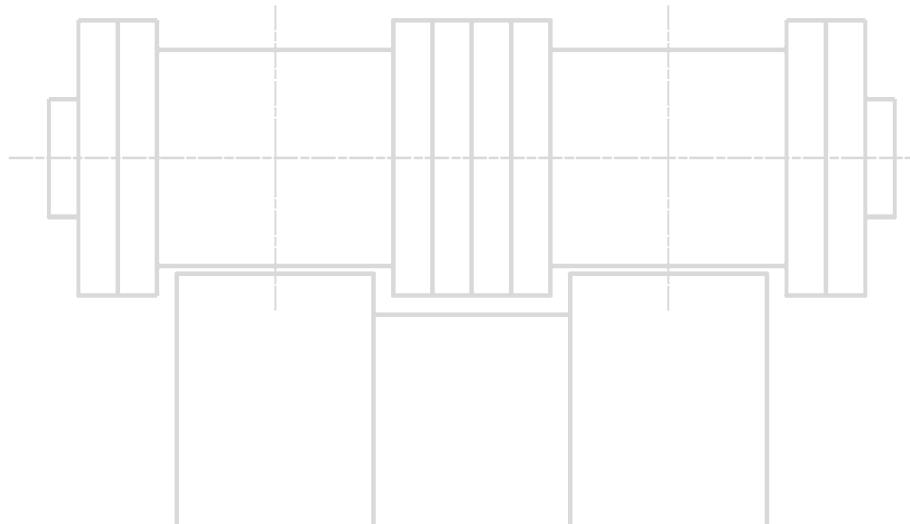
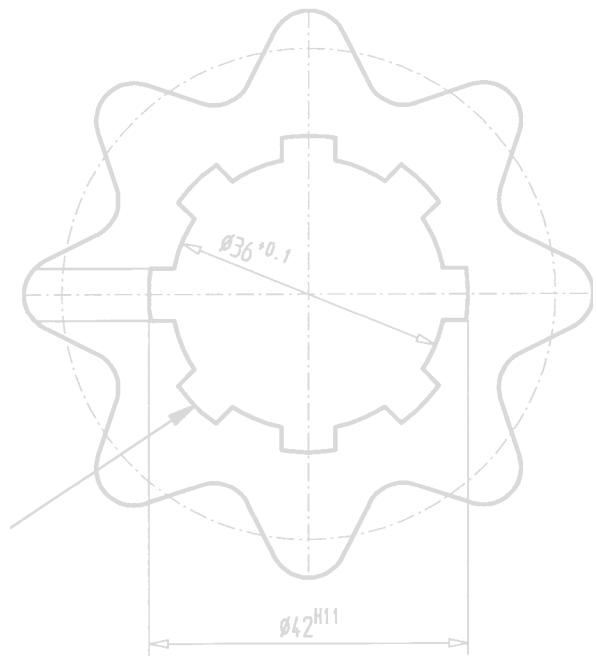
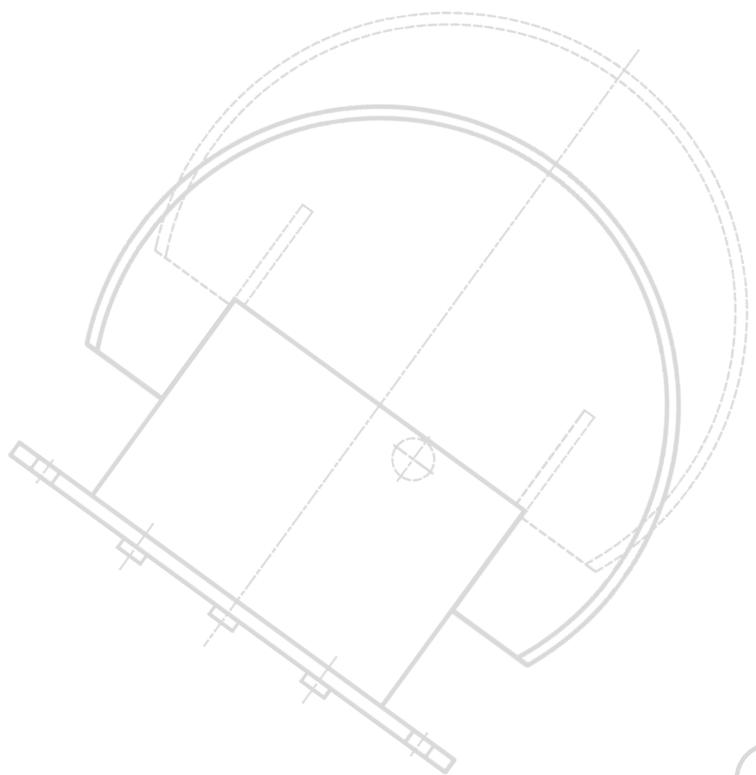
Dimensions in green apply to SPANN-BOX® Size 2

Fixing brackets make installation of SPANN-BOX® Sizes 1 and 2 easier. Their elongated holes allow readjustments of 67/75mm respectively once initial spring travel has been taken up. Lateral adjustments also correct misalignment.

Optional readjustments for brackets (lacquered)	for size	Part no.	Availability
by 67 mm	1	281 090 001	●
by 75 mm	2	281 090 002	●
for brackets (V2A):			
by 67 mm	1	281 090 029	○
by 75 mm	2	281 090 030	○

● ex stock
○ at short notice on request



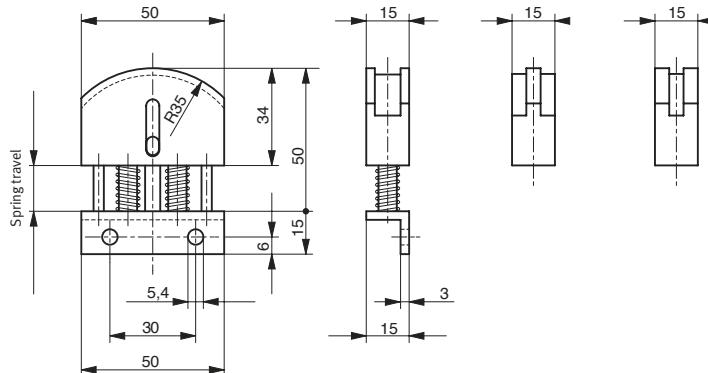
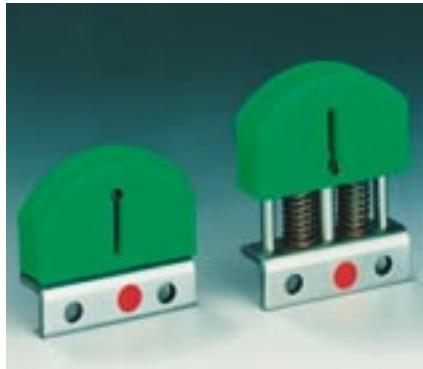




RODASUIN, S.L.
transmisión de potencia



MINI-TENSIONER with Arc Segment Profile



Standard design

The MINI-TENSIONER is the smallest automatic chain tensioner in our range, designed for smaller chains up to $\frac{3}{8}$ "-pitch.

Spring force

Two compression springs (pre-set spring force either light or heavy-duty at your option) provide the spring force required.

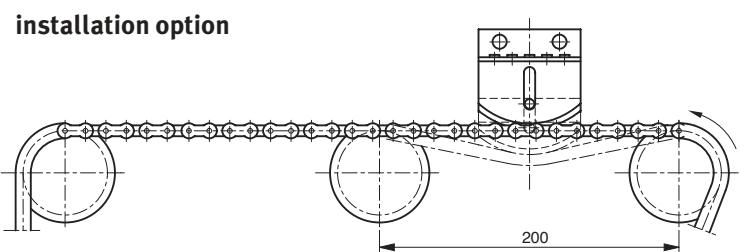
Chain guide

Chains with an overall width of up to 10mm slide with their link plates in a U-profile. Roller chain 06B-1 and duplex roller chains run on guide profiles.

Spring force values

spring force	light N	heavy-duty N	spring travel mm
2 springs	19 – 13	85 – 58	16

Installation option



Fixing method

by bolts on the angle bracket at the base.

Centre distance

For best results despite relatively short spring travel, we recommend a maximum centre distance of 200mm.

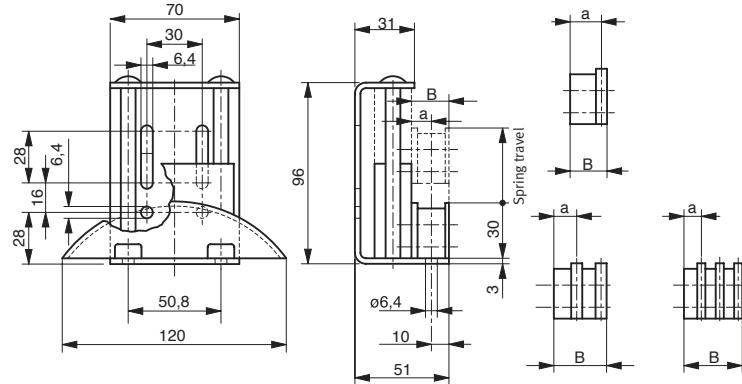
MINI-TENSIONER with arc segment profile

Chain size DIN 8187	Spring force light Part no.	Spring force heavy-duty Part no.	Availability
<06B-1 (U-profile)	281 050 001	281 050 002	●
06B-1	281 050 003	281 050 004	●
08B-1	281 050 009	281 050 010	●
05B-2	281 050 005	281 050 006	○
06B-2	281 050 007	281 050 008	○

Special and stainless steel designs on request

- ex stock
- at short notice on request

SPANN-BOY® with Arc Segment Profile



Standard design

This is a robust tensioner with a steel casing for conditions where space is too restricted to allow a tensioning system to be fitted below the chain. SPANN-BOY® is fitted beside the chain. The slide profile needs just 30mm space below the chain.

Chain guide

Chains with an overall width of up to 15mm slide with their link plates in a U-profile. This applies to chain sizes of 6mm, 8mm, $\frac{3}{8}$ " up to $\frac{1}{2}'' \times \frac{3}{16}$ ". Larger roller chains run on guide profiles.

Fixing method

Configuration and size of the fixing holes in the casing allow easy installation and adjustments up to 40mm once spring travel has been fully taken up.

Spring force

One compression spring (pre-set spring force either light or heavy-duty

at your option) provides the spring force required.

Spring force values

spring force	light N	heavy-duty N	spring travel mm
1 spring	58 – 32	132 – 60	40

SPANN-BOY® with arc segment profile

Chain size DIN 8187	B mm	a mm	Spring force light Part no.	Spring force heavy-duty Part no.	Stainless steel spring force heavy-duty Part no.	Avail- ability
<06B-1 (U-profile)	20	11	281 040 001	281 040 002	282 040 002	●
08B-1	20	17	281 040 003	281 040 004	282 040 004	●
10B-1	20	17	281 040 005	281 040 006	282 040 006	●
12B-1	20	15.5	281 040 007	281 040 008	282 040 008	●
06B-2	20	11.5	281 040 009	281 040 010	282 040 010	○
08B-2	32	12.3	281 040 011	281 040 012	282 040 012	●
10B-2	32	12.5	281 040 013	281 040 014	282 040 014	●
05B-3	20	7.6	281 040 015	281 040 016	282 040 016	○
06B-3	32	9.5	281 040 017	281 040 018	282 040 018	○

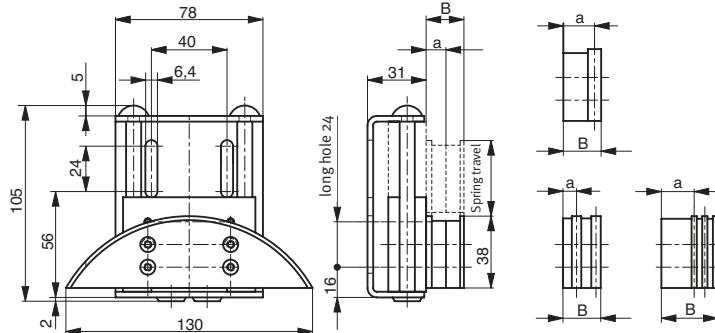
Special designs on request

- ex stock
- at short notice on request

SPANN-BOY® TS with Arc Segment Profile

Three spring force options due to compression springs which can be individually released!

NEW!



Chain guide

Chains with an overall width of up to 15mm slide with their link plates in a U-profile. This applies to chain sizes of 6mm, 8mm, $\frac{3}{8}$ " up to $\frac{1}{2}'' \times \frac{3}{16}$ ". Larger roller chains run on guide profiles.

Spring force

Two pre-tensioned compression springs which can be individually released, offering you a choice of three spring forces: light, heavy-duty or extra heavy-duty.



Standard design

This is a robust tensioner with a steel casing for conditions where space is too restricted to allow a tensioning system to be fitted below the chain. SPANN-BOY®TS is fitted beside the chain. The slide profile needs just 40mm space below the chain.

Fixing method

Configuration and size of the fixing holes in the casing allow easy installation and adjustments up to 40mm once spring travel has been fully taken up.

SMART MATE®, our ancillary fixing set, allows easy and flexible installation of SPANN-BOY®TS (see pg 115).

SPANN-BOY® TS with arc segment profile

Chain size DIN 8187	B mm	a mm	Spring force light/heavy-duty extra heavy-duty Part no.	Stainless steel spring force heavy-duty/ extra heavy-duty/ Part no.	Avail- ability
<06B-1 (U-profile)	20	10.5	281 060 001	282 060 002	●
08B-1	20	16.5	281 060 003	282 060 004	●
10B-1	20	15.7	281 060 005	282 060 006	●
12B-1	20	14.8	281 060 007	282 060 008	●
06B-2	20	7.5	281 060 009	282 060 010	○
08B-2	32	15.3	281 060 011	282 060 012	●
10B-2	32	11.3	281 060 013	282 060 014	●
05B-3	20	8.5	281 060 015	282 060 016	○
06B-3	32	9.4	281 060 017	282 060 018	○

Special designs on request

● ex stock
○ at short notice on request

Spannwerte

spring force	light N	heavy-duty N	extra heavy-duty N	spring travel mm
1 spring	65 – 33	125 – 63	–	40
2 springs	–	–	190 – 96	

SPANN-BOX® with Arc Segment Profile

Size 30



Fixing method

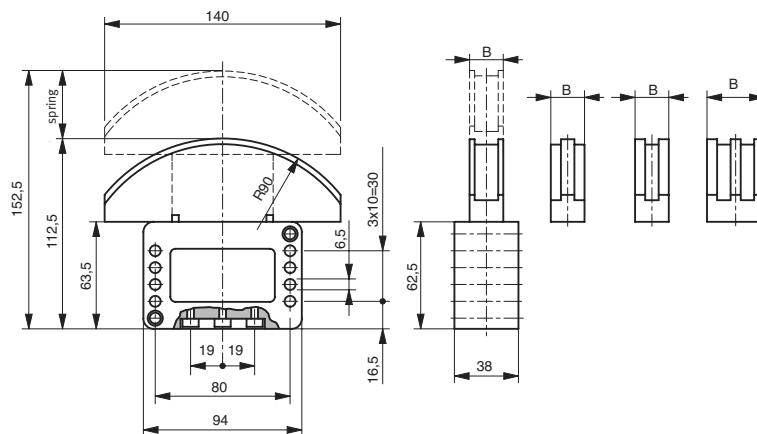
Configuration and size of the fixing holes in the casing allow easy installation and adjustments of the whole SPANN-BOX® up to 30mm once spring travel has been fully taken up.

Standard design

SPANN-BOX® Size 30 is an economically-priced tensioner in a plastic casing and specially suitable for conditions where no major mechanical stresses are present but where corrosion protection is required.

Spring force

Three pre-tensioned compression springs (pre-set spring force either light or heavy-duty at your option) can be individually released, generating the spring force required.



Spring force values

Chain guide

Chains with an overall width of up to 15mm slide with their link plates in a U-profile. This applies to chain sizes of 6mm, 8mm, $\frac{3}{8}$ " up to $\frac{1}{2}$ " x $\frac{3}{16}$ ". Larger roller chains run on guide profiles.

spring force N	light N	heavy-duty N	spring travel mm
1 spring	58 – 32	132 – 60	
2 springs	116 – 64	264 – 120	40
3 springs	174 – 96	396 – 180	

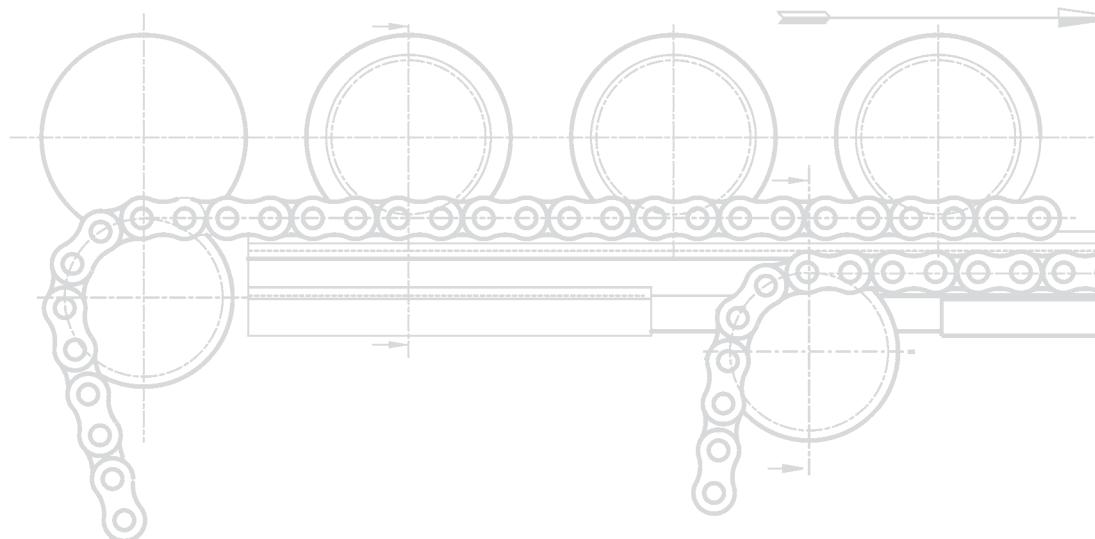
SPANN-BOX® Size 30 with arc segment profile

Chain size DIN 8187	B mm	Spring force light Part no.	Spring force heavy-duty Part no.	Spring force heavy-duty stainless steel springs Part no.	Availability
<06B-1 (U-profile)	20	281 030 001	281 030 002	282 030 002	●
08B-1	20	281 030 003	281 030 004	282 030 004	●
10B-1	20	281 030 005	281 030 006	282 030 006	●
12B-1	20	281 030 007	281 030 008	282 030 008	●
16B-1	20	281 030 009	281 030 010	282 030 010	●
05B-2	20	281 030 011	281 030 012	282 030 012	●
06B-2	20	281 030 013	281 030 014	282 030 014	●
08B-2	20	281 030 015	281 030 016	282 030 016	●
10B-2	25	281 030 017	281 030 018	282 030 018	●
12B-2	30	281 030 019	281 030 020	282 030 020	●
05B-3	20	281 030 021	281 030 022	282 030 022	○
06B-3	25	281 030 023	281 030 024	282 030 024	●
08B-3	30	281 030 025	281 030 026	282 030 026	●
10B-3	40	281 030 027	281 030 028	282 030 028	○
12B-3	45	281 030 029	281 030 030	282 030 030	○

Special designs on request

● ex stock
○ at short notice on request

SMART MATE®, our ancillary fixing set, allows easy and flexible installation of SPANN-BOX® (see pg 117).



SPANN-BOX® with Arc Segment Profile

Sizes 1 and 2



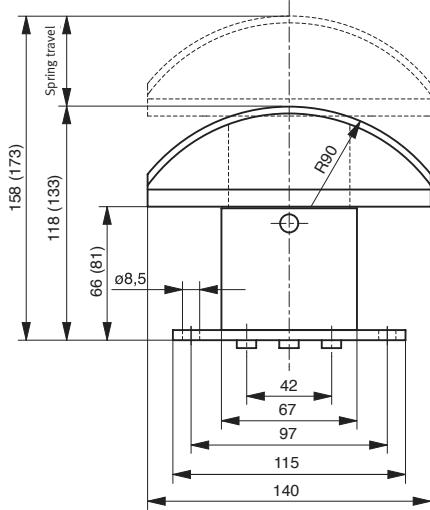
Standard design

SPANN-BOX® Size 1 and 2 are robust tensioners with steel casings.

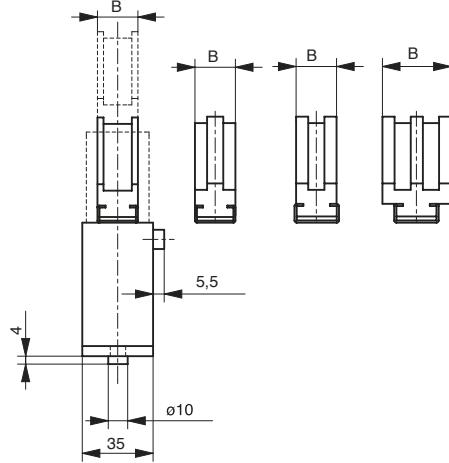
Chain guide

Chains with an overall width of up to 15mm slide with their link plates in a U-profile. This applies to chain sizes of 6mm, 8mm, $\frac{3}{8}$ up to $\frac{1}{2}'' \times \frac{3}{16}''$. Larger roller chains run on guide profiles.

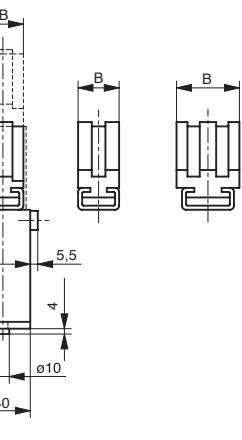
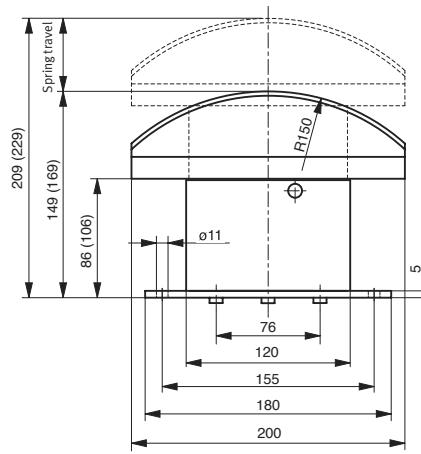
Size 1



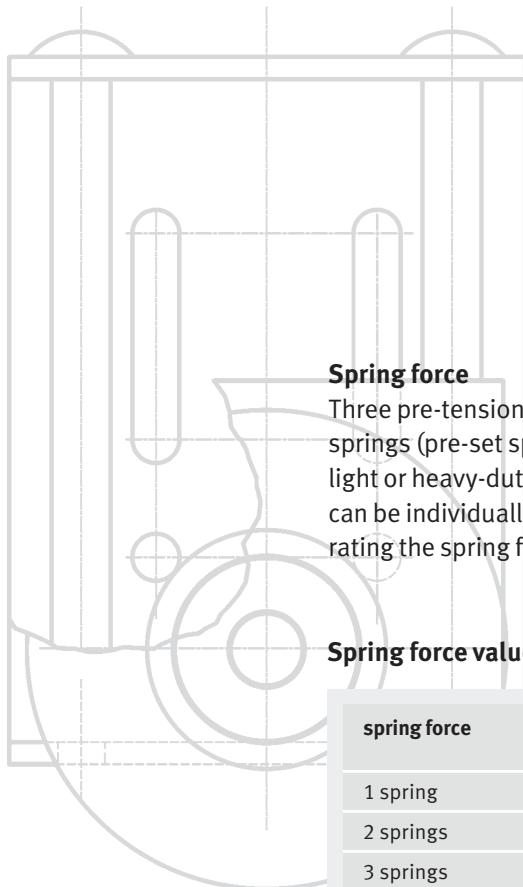
(Dimensions) for long casing



Size 2



(Dimensions) for long casing



Spring force

Three pre-tensioned compression springs (pre-set spring force either light or heavy-duty at your option) can be individually released, generating the spring force required.

Spring force values for Size 1

spring force	light N	heavy-duty N	spring travel mm
1 spring	58 – 32	132 – 60	
2 springs	116 – 64	264 – 120	
3 springs	174 – 96	396 – 180	40

Reversible operation

For tensioning reversible chain drives we recommend SPANN-BOX® Sizes 1 and 2 with long casings. This design is only available with heavy-duty spring force.

Spring force values for Size 2

spring force	light N	heavy-duty N	spring travel mm
1 spring	148 – 82	262 – 118	
2 springs	296 – 164	524 – 236	
3 springs	444 – 246	786 – 354	60



Fixing method

Fixing brackets make installation of SPANN-BOX® easier. Readjustments of 67/75mm respectively once initial spring travel has been taken up are allowed.

SMART MATE®, our ancillary fixing set, allows easy and flexible installation of SPANN-BOX® Size 1 (see pg 118).

SPANN-BOX® Size 1 with arc segment

Chain size DIN 8187	B mm	Short casing spring force light Part no.	Short casing spring force heavy-duty Part no.	Long casing spring force heavy-duty Part no.	Stainless steel spring force heavy-duty short casing Part no.	Stainless steel spring force heavy-duty long casing Part no.	Avail- ability
<06B-1 (U-profile)	20	281 010 001	281 010 002	281 010 202	282 010 002	282 010 202	●
08B-1	20	281 010 003	281 010 004	281 010 204	282 010 004	282 010 204	●
10B-1	20	281 010 005	281 010 006	281 010 206	282 010 006	282 010 206	●
12B-1	20	281 010 007	281 010 008	281 010 208	282 010 008	282 010 208	●
16B-1	20	281 010 009	281 010 010	281 010 210	282 010 010	282 010 210	●
20B-1	20	281 010 011	281 010 012	281 010 212	282 010 012	282 010 212	●
06B-2	20	281 010 013	281 010 014	281 010 214	282 010 014	282 010 214	●
08B-2	20	281 010 015	281 010 016	281 010 216	282 010 016	282 010 216	●
10B-2	25	281 010 017	281 010 018	281 010 218	282 010 018	282 010 218	●
12B-2	30	281 010 019	281 010 020	281 010 220	282 010 020	282 010 220	●
16B-2	45	281 010 021	281 010 022	281 010 222	282 010 022	282 010 222	○
06B-3	25	281 010 023	281 010 024	281 010 224	282 010 024	282 010 224	●
08B-3	30	281 010 025	281 010 026	281 010 226	282 010 026	282 010 226	●
10B-3	40	281 010 027	281 010 028	281 010 228	282 010 028	282 010 228	○
12B-3	45	281 010 029	281 010 030	281 010 230	282 010 030	282 010 230	○

SPANN-BOX® Size 2 with arc segment profile

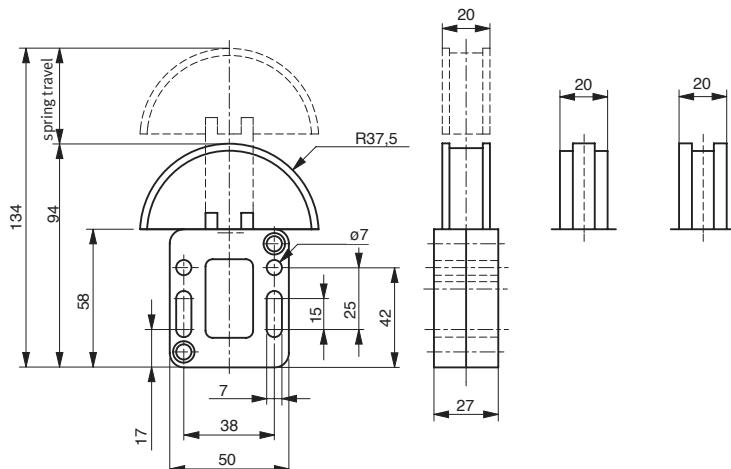
Chain size DIN 8187	B mm	Short casing spring force light Part no.	Short casing spring force heavy-duty Part no.	Long casing spring force heavy-duty Part no.	Stainless steel spring force heavy-duty short casing Part no.	Stainless steel spring force heavy-duty long casing Part no.	Avail- ability
12B-1	25	281 020 001	281 020 002	281 020 202	282 020 002	282 020 202	●
16B-1	25	281 020 003	281 020 004	281 020 204	282 020 004	282 020 204	●
20B-1	25	281 020 005	281 020 006	281 020 206	282 020 006	282 020 206	●
24B-1	30	281 020 007	281 020 008	281 020 208	282 020 008	282 020 208	○
08B-2	25	281 020 009	281 020 010	281 020 210	282 020 010	282 020 210	●
10B-2	25	281 020 011	281 020 012	281 020 212	282 020 012	282 020 212	●
12B-2	30	281 020 013	281 020 014	281 020 214	282 020 014	282 020 214	●
16B-2	45	281 020 015	281 020 016	281 020 216	282 020 016	282 020 216	●
20B-2	55	281 020 017	281 020 018	281 020 218	282 020 018	282 020 218	○
24B-2	70	281 020 019	281 020 020	281 020 220	282 020 020	282 020 220	○
08B-3	30	281 020 021	281 020 022	281 020 222	282 020 022	282 020 222	●
10B-3	40	281 020 023	281 020 024	281 020 224	282 020 024	282 020 224	●
12B-3	45	281 020 025	281 020 026	281 020 226	282 020 026	282 020 226	●
16B-3	75	281 020 027	281 020 028	281 020 228	282 020 028	282 020 228	○
20B-3	90	281 020 029	281 020 030	281 020 230	282 020 030	282 020 230	○

Special designs on request

● ex stock
○ at short notice on request

SPANN-BOX® with Semicircular Profile

Size 0



Standard design

This small, economical tensioner with a corrosion-proof plastic casing is particularly suitable for small chains up to $\frac{3}{4}$ " pitch where installation space is restricted.

Chain guide

Chains with an overall width of up to 15mm slide with their link plates in a U-profile. This applies to chain sizes of 6mm, 8mm, $\frac{3}{8}$ " up to $\frac{1}{2}'' \times \frac{3}{16}$ ". Larger roller chains run on guide profiles.

Spring force

A lockable compression spring (pre-set spring force either light or heavy-duty at your option) generates the spring force required. The steel locking pin is located in the base of the casing.

Spring force values

spring force	light N	heavy-duty N	spring travel mm
1 spring	58 – 32	132 – 60	40

Chain size DIN 8187	Spring force light Part no.	Spring force heavy-duty Part no.	Spring force heavy-duty stainless steel springs Part no.	Avail- ability
<06B-1 (U-profile)	281 000 001	281 000 002	282 000 202	●
08B-1	281 000 003	281 000 004	282 000 204	●
10B-1	281 000 003	281 000 004	282 000 205	●
12B-1	281 000 005	281 000 006	282 000 206	●
06B-2	281 000 007	281 000 008	282 000 208	●
08B-2	281 000 009	281 000 010	282 000 210	●

Special designs on request

● ex stock
○ at short notice on request

Fixing method

Configuration and size of the fixing holes in the casing allow easy installation and adjustment of the whole SPANN-BOX® up to 23mm once initial spring travel of 40mm has been fully taken up.

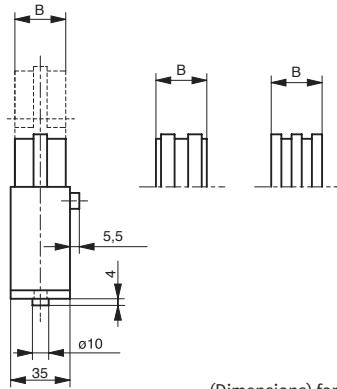
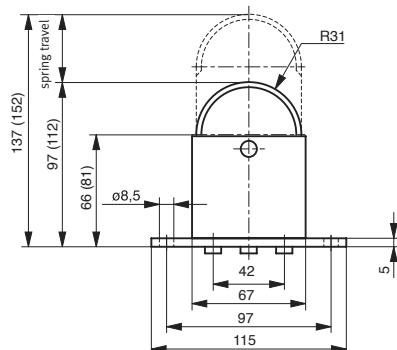
SMART MATE®, our ancillary fixing set, allows easy and flexible SPANN-BOX® installation (see pg 116).

SPANN-BOX® with Semicircular Profile

Size 1 and 2

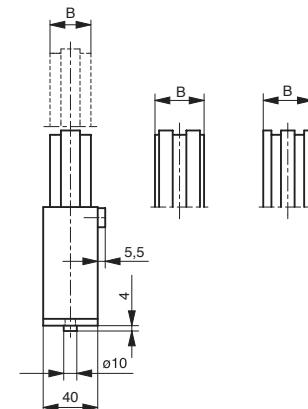
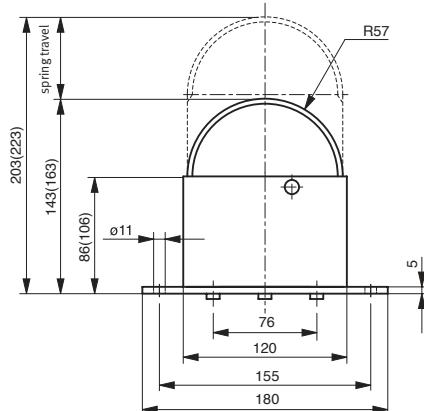


Size 1



(Dimensions) for long casing

Size 2



(Dimensions) for long casing

Spring force values for Size 1

spring force	light N	heavy-duty N	spring travel mm
1 spring	58-32	132-60	
2 springs	116-64	164-120	
3 springs	174-96	396-180	40

Spring force values for Size 2

spring force	light N	heavy-duty N	spring travel mm
1 spring	148-82	262-118	
2 springs	296-164	524-236	
3 springs	444-246	786-354	60

SPANN-BOX® Size 1 with semicircular profile

Chain size DIN 8187	B mm	Short casing spring force light Part no.	Short casing spring force heavy-duty Part no.	Long casing spring force heavy-duty Part no.	Stainless steel short casing spring force heavy-duty Part no.	Stainless steel long casing spring force heavy-duty Part no.	Avail- ability
06B-1	30	281 010 031	281 010 032	281 010 232	282 010 032	282 010 232	●
08B-1	30	281 010 033	281 010 034	281 010 234	282 010 034	282 010 234	●
10B-1	30	281 010 035	281 010 036	281 010 236	282 010 036	282 010 236	●
12B-1	30	281 010 037	281 010 038	281 010 238	282 010 038	282 010 238	●
06B-2	30	281 010 039	281 010 040	281 010 240	282 010 040	282 010 240	●
08B-2	30	281 010 041	281 010 042	281 010 242	282 010 042	282 010 242	●
10B-2	30	281 010 043	281 010 044	281 010 244	282 010 044	282 010 244	●
12B-2	30	281 010 045	281 010 046	281 010 246	282 010 046	282 010 246	●
06B-3	30	281 010 047	281 010 048	281 010 248	282 010 048	282 010 248	●
08B-3	30	281 010 049	281 010 050	281 010 250	282 010 050	282 010 250	●

SPANN-BOX® Size 2 with semicircular profile

Chain size DIN 8187	B mm	Short casing spring force light Part no.	Long casing spring force heavy-duty Part no.	Short casing spring force heavy-duty Part no.	Stainless steel short casing spring force heavy-duty Part no.	Stainless steel long casing spring force heavy-duty Part no.	Avail- ability
12B-1	33	281 020 031	281 020 032	281 020 232	282 020 032	282 020 232	●
16B-1	33	281 020 033	281 020 034	281 020 234	282 020 034	282 020 234	●
08B-2	33	281 020 035	281 020 036	281 020 236	282 020 036	282 020 236	●
10B-2	33	281 020 037	281 020 038	281 020 238	282 020 038	282 020 238	●
12B-2	33	281 020 039	281 020 040	281 020 240	282 020 040	282 020 240	●
08B-3	33	281 020 041	281 020 042	281 020 242	282 020 042	282 020 242	●
10B-3	40	281 020 042	281 020 044	281 020 244	282 020 044	282 020 244	○

Special designs on request

● ex stock
○ at short notice on request



Fixing method

Fixing brackets from our standard range allow easy installation and SPANN-BOX® adjustments up to 67mm / 75mm respectively once spring travel has been fully taken up.

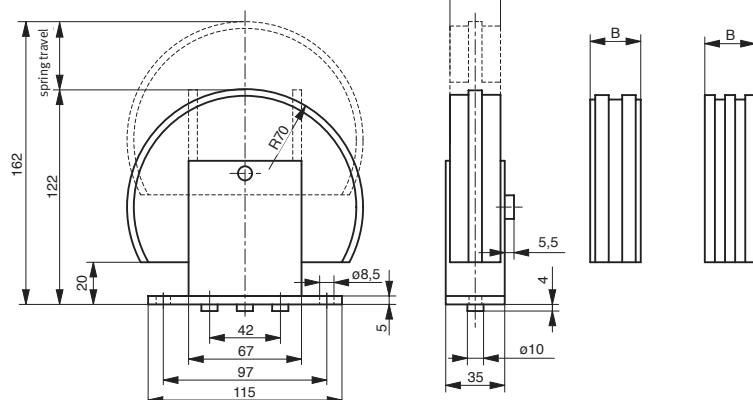
SMART MATE®, our ancillary fixing set, allows easy and flexible SPANN-BOX® installation (see pg 118).

SPANN-BOX® with 180° Return Profile

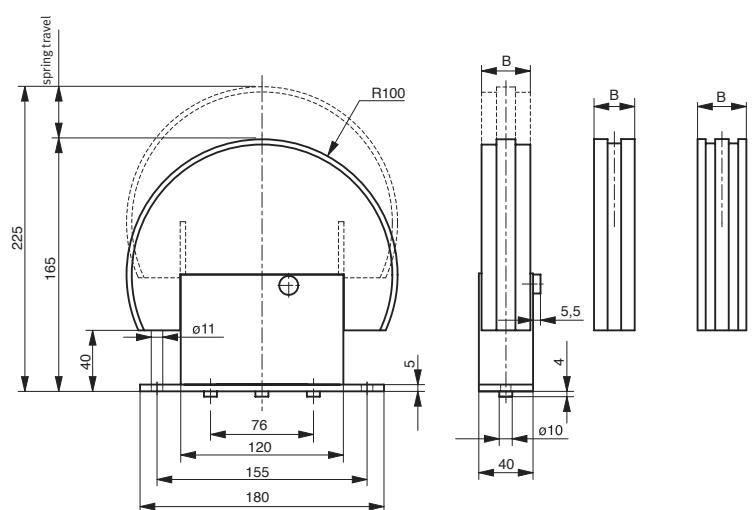
Sizes 1 and 2



Size 1



Size 2



Spring force values for Size 1

spring force	heavy-duty N	spring travel mm
1 spring	132-60	40
2 springs	264-120	
3 springs	396-180	

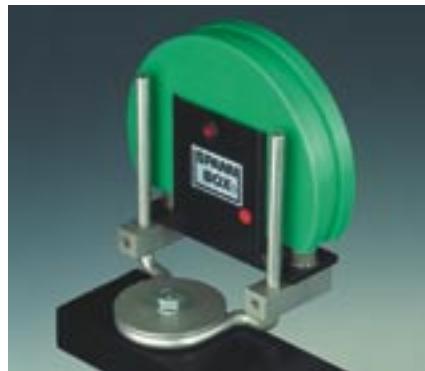
Spring force values for Size 2

spring force	heavy-duty N	spring travel mm
1 spring	262-118	60
2 springs	524-236	
3 springs	786-354	

SPANN-BOX® Size 1 with return profile

Chain size DIN 8187	B mm	Long casing spring force heavy-duty Part no.	Stainless steel long casing spring force heavy-duty Part no.	Availability
06B-1	30	281 010 051	282 010 051	●
08B-1	30	281 010 052	282 010 052	●
10B-1	30	281 010 053	282 010 053	●
12B-1	30	281 010 054	282 010 054	●
16B-1	30	281 010 055	282 010 055	●
06B-2	30	281 010 056	282 010 256	●
08B-2	30	281 010 057	282 010 257	●
10B-2	30	281 010 058	282 010 258	●
12B-2	30	281 010 059	282 010 259	●
06B-3	30	281 010 060	282 010 260	●
08B-3	30	281 010 061	282 010 261	●

- ex stock
- at short notice on request



SPANN-BOX® Size 2 with return profile

Chain size DIN 8187	B mm	Long casing spring force heavy-duty Part no.	Stainless steel long casing spring force heavy-duty Part no.	Availability
12B-1	33	281 020 045	282 020 045	●
16B-1	33	281 020 046	282 020 046	●
20B-1	33	281 020 047	282 020 047	●
08B-2	33	281 020 048	282 020 048	●
10B-2	33	281 020 049	282 020 049	●
12B-2	33	281 020 050	282 020 050	●
08B-3	33	281 020 051	282 020 051	●
10B-3	40	281 020 052	282 020 052	○
12B-3	45	281 020 053	282 020 053	○

Fixing method

Fixing brackets from our standard range allow easy installation and adjustments of the SPANN-BOX® up to 67mm/75mm respectively once spring travel has been fully taken up.

SMART MATE®, our ancillary fixing set, allows easy and flexible SPANN-BOX® installation (see pg 118).

Special designs on request

- ex stock
- at short notice on request

SPANN-BOX® with Block Profile

Size 2



Standard design

Robust design with steel casing. Suitable for high stresses where the tensioner is subjected to high dynamic loads, so this design is available with heavy-duty spring force only. Slide profile and spring core are made in one piece to ensure maximum stability. For optimum support of large pitch chains, the slide profile has been increased to 300mm.

Chain guide

All roller chains run on plastic guide profiles.

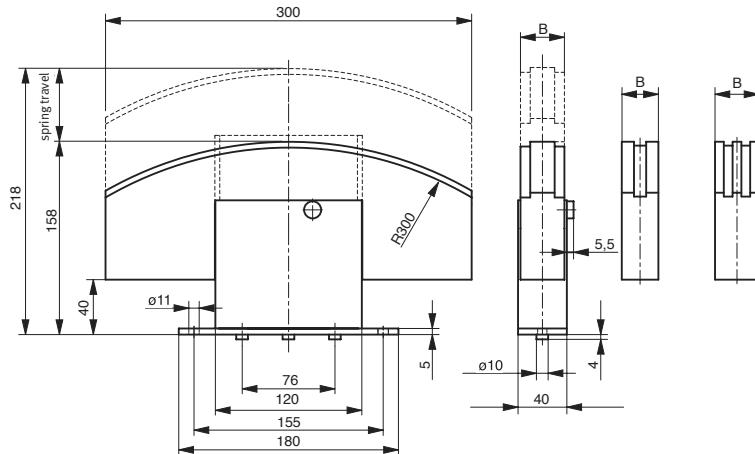
Spring force

Three pre-tensioned compression springs can be individually released to generate the spring force required.

Fixing method

Fixing brackets from our standard range allow easy installation. Spring travel adjustment up to 75mm is possible once initial spring travel has been fully taken up.

Why not benefit from our installation system? For further details, please see pg 119.



Spring force values

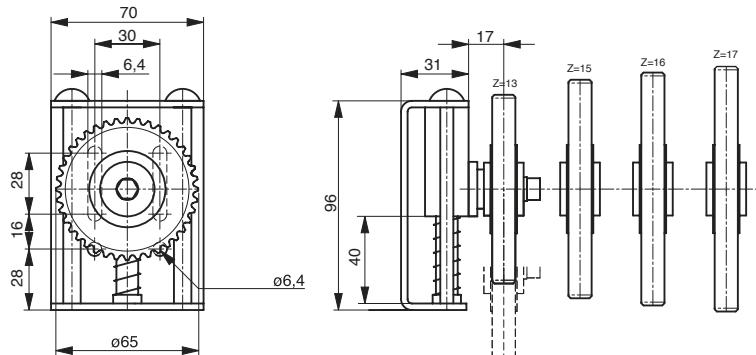
spring force	heavy-duty N	spring travel mm
1 spring	262-118	
2 springs	524-236	60
3 springs	786-354	

Chain size DIN 8187	B mm	Long casing spring force heavy-duty Part no.	Stainless steel long casing spring force heavy-duty Part no.	Avail- ability
24B-1	33	281 020 054	282 020 054	●
28B-1	33	281 020 055	282 020 055	●
32B-1	33	281 020 056	282 020 056	●
40B-1	40	281 020 057	282 020 057	○
48B-1	45	281 020 058	282 020 058	○
16B-2	45	281 020 059	282 020 059	○
20B-2	55	281 020 060	282 020 060	○
24B-2	70	281 020 061	282 020 061	○
16B-3	75	281 020 062	282 020 062	○
20B-3	90	281 020 063	282 020 063	○

Special designs on request

- ex stock
- at short notice on request

SPANN-BOY® with Chain Sprocket



Standard design

Robust design with steel casing.

Fields of application

If there is no space for a standard tensioner, a SPANN-BOY® with chain sprocket solves the problem.

Even at high chain speeds (> 1m/s) or with small return radii, this design with idler sprocket is the answer. Roller chains with an overall width of up to 15mm run in a U-profile.

Spring force

One compression spring (available with heavy-duty spring force only) generates the spring force. Fixing holes in the casing allow adjustment up to 38mm once initial spring travel has been fully taken up.

Fixing method

Der SPANN-BOY® with chain sprocket is fitted beside the chain. The holes in its casing permit easy installation.

Spring force values

spring force	heavy-duty N	spring travel mm
1 spring	132-60	40

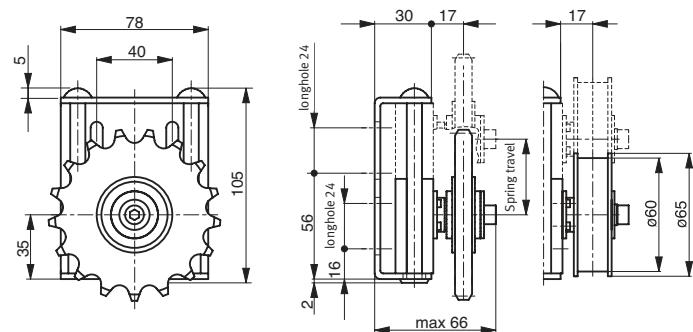
Chain size DIN 8187	No. of teeth	Part no. spring force heavy-duty	Avail- ability
06B-1	-	281 240 006	●
06B-1	20	281 240 007	●
06B-1	21	281 240 001	●
06B-1	23	281 240 008	●
08B-1	16	281 240 009	●
08B-1	17	281 240 010	●
08B-1	18	281 240 002	●
10B-1	14	281 240 011	●
10B-1	15	281 240 012	●
10B-1	16	281 240 013	●
10B-1	17	281 240 003	●
12B-1	13	281 240 014	●
12B-1	15	281 240 004	●
12B-1	16	281 240 015	●
12B-1	17	281 240 016	●

Special and stainless steel designs on request

- ex stock
- at short notice on request

SPANN-BOY® TS with Chain Sprocket

NEW! Three spring force options due to compression springs which can be individually released!



Standard design

Robust design with steel casing.

Fields of application

If there is no space for a standard tensioner, a SPANN-BOY®TS with chain sprocket solves the problem.

Even at high chain speeds (>1m/s) or small return radii, this design with idler sprocket is the answer. Roller chains with a width of up to 15mm run in U-profiles.

Spring force

Two pre-tensioned compression springs which can be individually released, offer you a choice of light, heavy-duty or extra heavy-duty spring force.

Fixing method

Configuration and size of the fixing holes in the casing allow easy installation and adjustment up to 40mm once initial spring travel has been fully taken up.

SMART MATE®, our ancillary fixing set, allows easy and flexible SPANN-BOY®TS installation (see pg 115).

Spring force values

spring force	light N	heavy-duty N	extra heavy-duty N	spring travel mm
1 spring	65 – 33	125 – 63	–	40
2 springs	–	–	190 – 96	

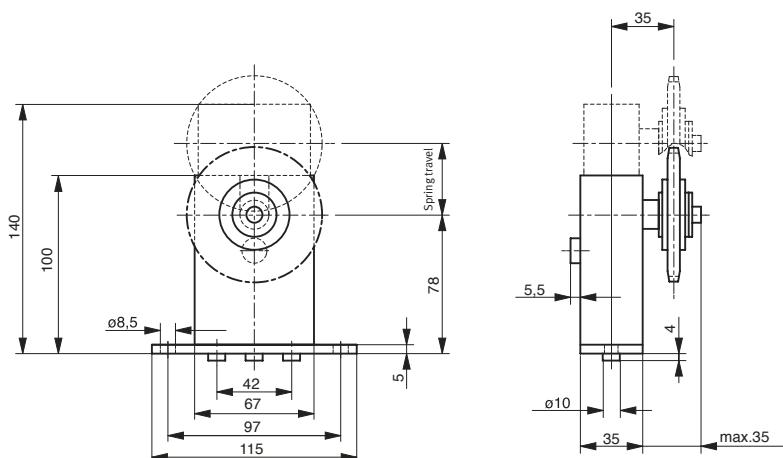
Chain size DIN 8187	No. of teeth	Spring force light/heavy-duty/extrah heavy-duty Part no.	Avail- ability
06B-1	-	281 260 001	●
06B-1	20	281 160 002	●
06B-1	21	281 260 003	●
06B-1	23	281 260 004	●
08B-1	16	281 260 005	●
08B-1	17	281 260 006	●
08B-1	18	281 260 007	●
10B-1	14	281 260 008	●
10B-1	15	281 260 009	●
10B-1	16	281 260 010	●
10B-1	17	281 260 011	●
12B-1	13	281 260 012	●
12B-1	15	281 260 013	●
12B-1	16	281 260 014	●
12B-1	17	281 260 015	●

Special and stainless steel designs on request

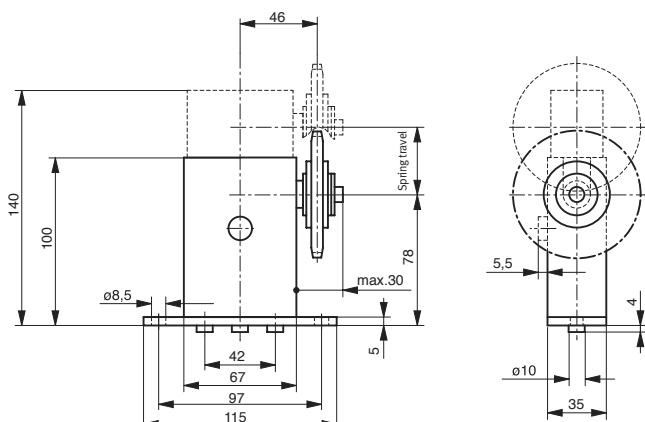
- ex stock
- at short notice on request

SPANN-BOX® with Chain Sprocket Type K-L/Type Size 1

Type K-L
(Chain sprocket on long side)



Type K-S
(Chain sprocket on short side)



Standard design

Robust design with steel casing.

Fields of application

This design with chain sprocket is the answer for applications where using a SPANN-BOX® with slide profile might be problematic (e.g. high chain speeds, small return radii due to lack of space).

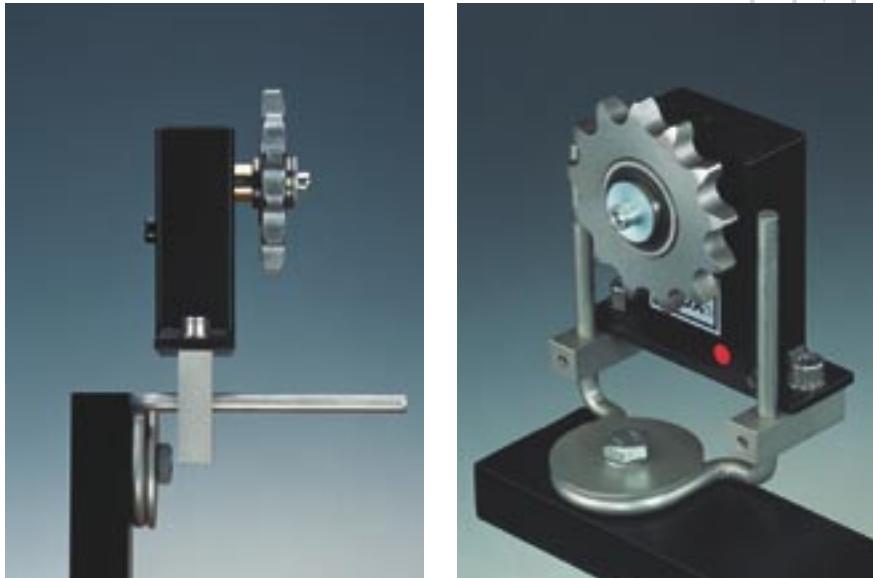
Installations with an arc of conduct of 180° compensate a lot of chain stretch ($2 \times$ spring travel = 80mm). Two versions of this design are available, Type K-L or Type K-S, depending on your installation conditions.

Spring force values

spring force	heavy-duty N	spring travel mm
1 spring	132 – 60	
2 springs	264 – 120	
3 springs	396 – 180	40

Spring force

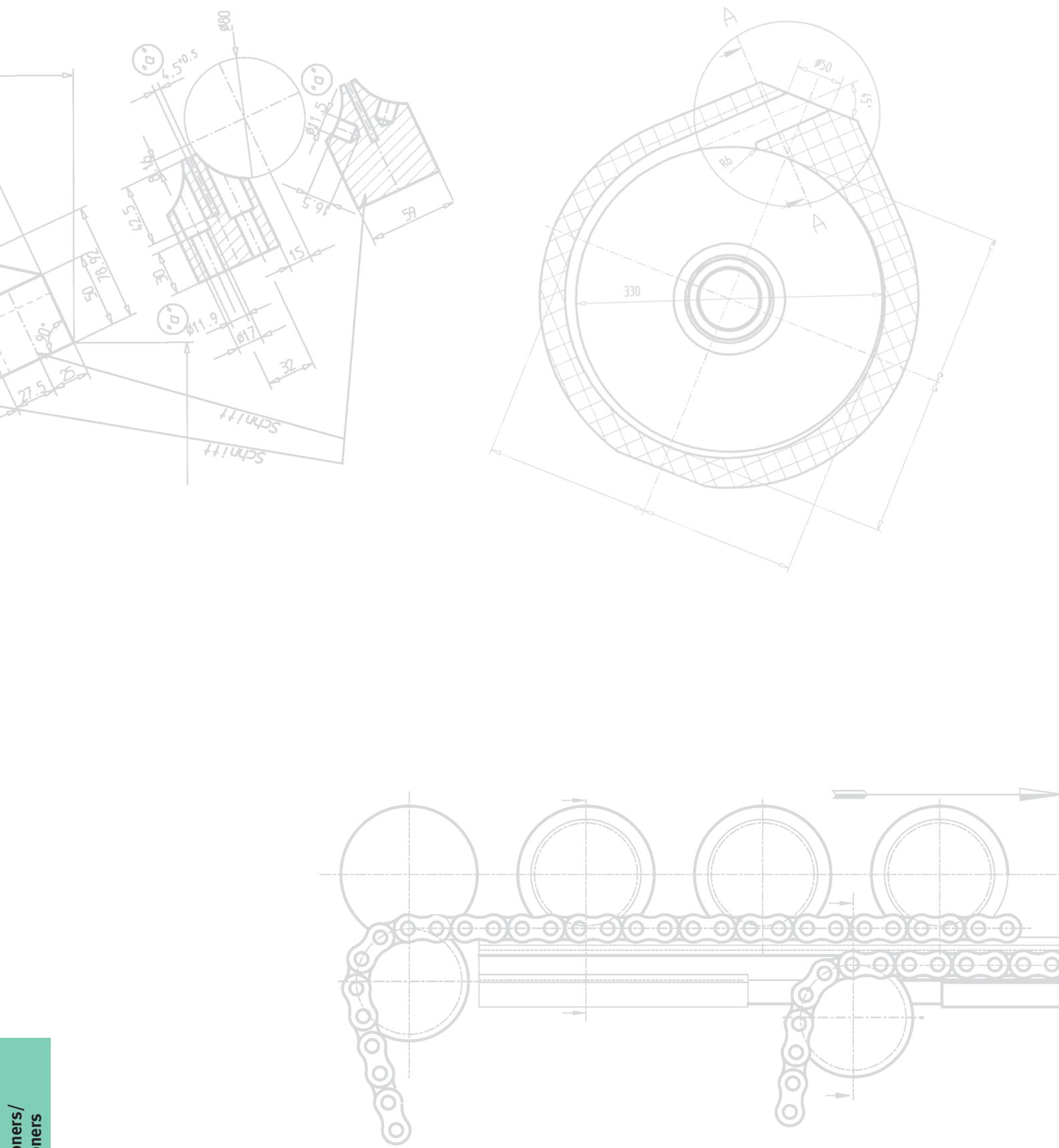
Three pre-tensioned compression springs (available with heavy-duty spring force only) capable of being individually released, generate the spring force required.



Chain size DIN 8187	No. of teeth	Type K-L spring force heavy-duty Part no.	Type K-S spring force heavy-duty Part no.	Avail- ability
06B-1	-	281 210 033	281 210 034	●
06B-1	20	281 210 005	281 210 001	●
06B-1	21	281 210 011	281 210 022	●
06B-1	23	281 210 012	281 210 023	●
08B-1	16	281 210 014	281 210 024	●
08B-1	17	281 210 006	281 210 025	●
08B-1	18	281 210 015	281 210 002	●
10B-1	14	281 210 016	281 210 026	●
10B-1	15	281 210 017	281 210 027	●
10B-1	16	281 210 007	281 210 028	●
10B-1	17	281 210 018	281 210 003	●
12B-1	13	281 210 033	281 210 029	●
12B-1	14	281 210 019	281 210 030	●
12B-1	15	281 210 008	281 210 004	●
12B-1	16	281 210 020	281 210 031	●
12B-1	17	281 210 021	281 210 032	●

Special and stainless steel designs on request

- ex stock
- at short notice on request





Automatic Belt Tensioners

for Round Belts, V-Belts to DIN2215, Flat Belts

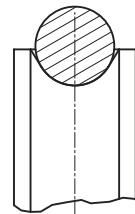


Different drive and conveyor belts have different pre-tensioning requirements. That is why we offer a choice of three different types of casing (SPANN-BOY®), SPANN-BOX® Size 0 and SPANN-BOX® Size 1) with matching tension rollers as standard.

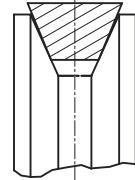


These ball-bearing rollers are made from Original Material "S"® black antistatic and are available either in a cylindrical shape or matching one of the profiles illustrated on the right. When ordering, please add profile form required to the part no.

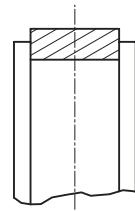
Profile Forms



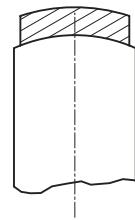
Round Belt (R)



V-Belt (K)

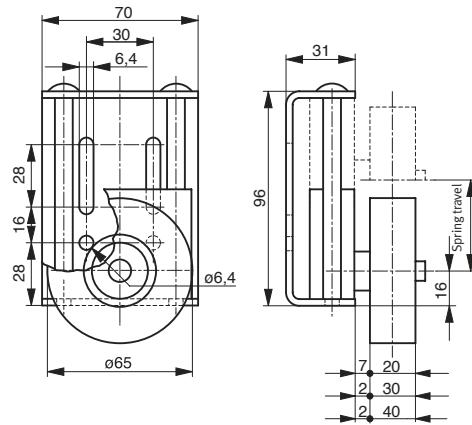


Flat Belt (F)



Crown-face Roller (B)

SPANN-BOY® as Belt Tensioner with Roller



Spring force values

spring force light N	heavy-duty N	spring travel mm
1 spring	58-32	132-60

Standard design

Robust design with steel casing.
Spring force is generated by a single pre-tensioned spring (light or heavy-duty spring force at your option).

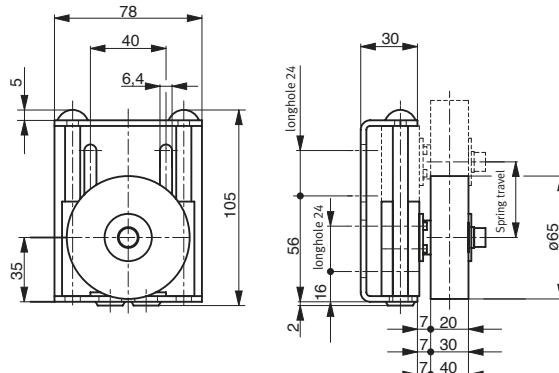
Roller width mm	Profile form	Spring Force light Part no.	Spring force heavy-duty Part no.	Avail- ability
20	cylindrical	281 140 001	281 140 002	●
30	cylindrical	281 140 003	281 140 004	●
40	cylindrical	281 140 005	281 140 006	●
20	crown-face	281 140 007	281 140 008	●
30	crown-face	281 140 009	281 140 010	●
40	crown-face	281 140 011	281 140 012	●
20	flat belt	281 140 013	281 140 014	○
30	flat belt	281 140 015	281 140 016	○
40	flat belt	281 140 017	281 140 018	○
20	V-belt	281 140 019	281 140 020	○
30	V-belt	281 140 021	281 140 022	○
40	V-belt	281 140 023	281 140 024	○
20	round belt	281 140 025	281 140 026	○
30	round belt	281 140 027	281 140 028	○
40	round belt	281 140 029	281 140 030	○

Special and stainless steel designs on request

● ex stock
○ at short notice on request

SPANN-BOY® TS as Belt Tensioner with Roller

Three spring force options due to compression springs which can be individually released!



Spring force values

spring force	light N	heavy-duty N	extra heavy-duty N	spring travel mm
1 spring	65 – 33	125 – 63	–	40
2 springs	–	–	190 – 96	

Standard design

Robust design with steel casing

Fixing Method

Configuration and size of the fixing holes in its casing allow easy installation and adjustment up to 40mm once initial spring travel has been fully taken up.

SMART MATE®, our ancillary fixing set, allows easy and flexible SPANN-BOY®TS installation (see pg 115).

Spring force

Two pre-tensioned compression springs which can be individually released, offer you a choice of light, heavy-duty or extra heavy-duty spring force.

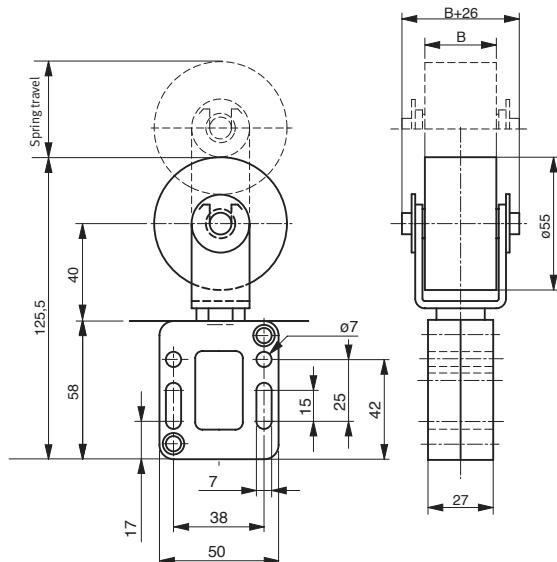
Roller width mm	Profile form	Spring force light/heavy-duty/extrah heavy-duty Part no.	Availability
20	cylindrical	281 160 001	●
30	cylindrical	281 160 002	●
40	cylindrical	281 160 003	●
20	crown-face	281 160 004	●
30	crown-face	281 160 005	●
40	crown-face	281 160 006	●
20	flat belt	281 160 007	○
30	flat belt	281 160 008	○
40	flat belt	281 160 009	○
20	V-belt	281 160 010	○
30	V-belt	281 160 011	○
40	V-belt	281 160 012	○
20	round belt	281 160 013	○
30	round belt	281 160 014	○
40	round belt	281 160 015	○

Special and stainless steel designs on request

- ex stock
- at short notice on request

SPANN-BOX® as Belt Tensioner with Roller

Size 0



Spring force values

Standard design

This design comes in a corrosion-proof plastic casing.

A spring (pre-set spring force either light or heavy-duty at your option) generates the spring force required.

spring force	light N	heavy-duty N	spring travel mm
1 spring	58-32	132-60	40

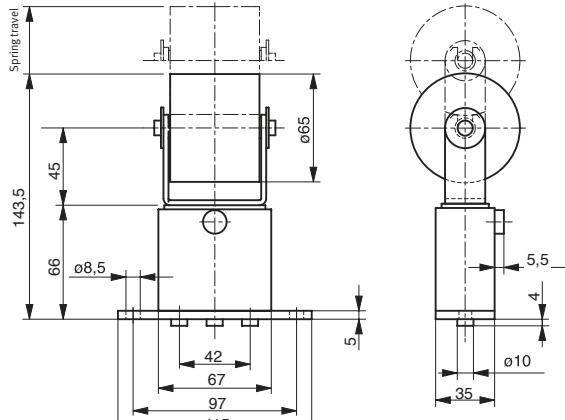
Roller width mm	Profile form	Spring force light Part no.	Spring force heavy-duty Part no.	Avail- ability
20	cylindrical	281 100 001	281 100 002	●
30	cylindrical	281 100 003	281 100 004	●
40	zylindrisch	281 100 005	281 100 006	●
20	crown-face	281 100 007	281 100 008	●
30	crown-face	281 100 009	281 100 010	●
40	crown-face	281 100 011	281 100 012	●
20	flat belt	281 100 013	281 100 014	○
30	flat belt	281 100 015	281 100 016	○
40	flat belt	281 100 017	281 100 018	○
20	V-belt	281 100 019	281 100 020	○
30	V-belt	281 100 021	281 100 022	○
40	V-belt	281 100 023	281 100 024	○
20	round belt	281 100 025	281 100 026	○
30	round belt	281 100 027	281 100 028	○
40	round belt	281 100 029	281 100 030	○

Special and stainless steel designs on request

● ex stock
○ at short notice on request

SPANN-BOX® as Belt Tensioner with Roller

Size 1



Standard design

Robust design with steel casing

Spring force

Three pre-tensioned compression springs (spring force either light or heavy-duty at your option) can be individually released to generate the spring force required.

Spring force values

spring force	light N	heavy-duty N	spring travel mm
1 spring	158-32	132-60	
2 springs	116-64	264-120	40
3 springs	174-96	396-180	

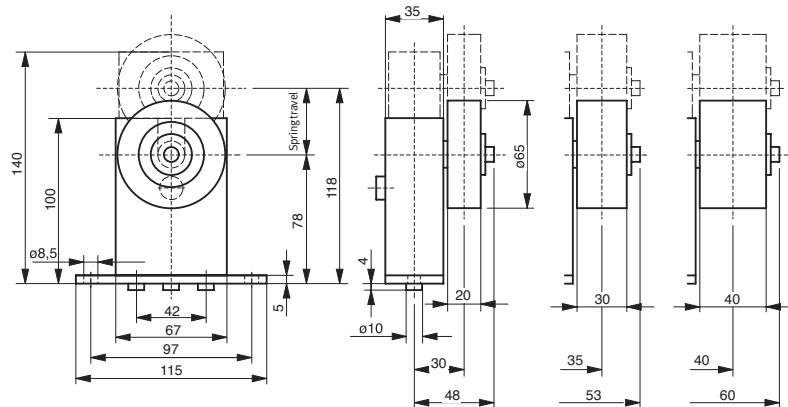
Roller width mm	Profile form	Spring force light Part no.	Spring force heavy-duty Part no.	Avail- ability
53	cylindrical	281 110 001	281 110 002	●
	crown-face	281 110 003	281 110 004	○
	flat belt	281 110 005	281 110 006	○
	V-belt	281 110 007	281 110 008	○
	round belt	281 110 009	281 110 010	○

Special and stainless steel designs on request

● ex stock
○ at short notice on request

Type SR-L

Tension Roller on Long Side



Standard design

Robust design with steel casing

Spring force

Three pre-tensioned compression springs (spring force either light or heavy-duty at your option) can be individually released to generate the spring force required.

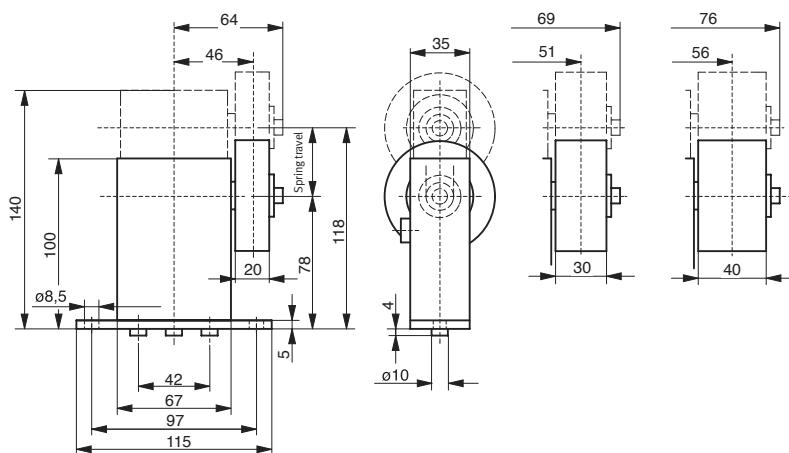
Roller width mm	Profile form	Spring force light Part no.	Spring force heavy-duty Part no.	Avail- ability
20	crown-face	281 110 017	281 110 018	●
	flat belt	281 110 023	281 110 024	○
	V-belt	281 110 029	281 110 030	○
	round belt	281 110 035	281 110 036	○
30	cylindrical	281 110 011	281 110 012	●
	crown-face	281 110 019	281 110 020	●
	flat belt	281 110 025	281 110 026	○
	V-belt	281 110 031	281 110 032	○
40	round belt	281 110 037	281 110 038	○
	cylindrical	281 110 013	281 110 014	●
	crown-face	281 110 021	281 110 022	●
	flat belt	281 110 027	281 110 028	○
V-belt	V-belt	281 110 033	281 110 034	○
	round belt	281 110 039	281 110 040	○
	cylindrical	281 110 015	281 110 016	●

Special and stainless steel designs on request

● ex stock
○ at short notice on request

Type SR-S

Tension Roller on Short Side



Standard design

Robust design with steel casing

Spring force

Three pre-tensioned compression springs (spring force either light or heavy-duty at your option) can be individually released to generate the spring force required.

Roller width mm	Profile form	Spring force light Part no.	Spring force heavy-duty Part no.	Avail- ability
20	crown-face	281 110 047	281 110 048	●
	flat belt	281 110 053	281 110 054	○
	V-belt	281 110 059	281 110 060	○
	round belt	281 110 065	281 110 066	○
	cylindrical	281 110 041	281 110 042	●
30	crown-face	281 110 049	281 110 050	●
	flat belt	281 110 055	281 110 056	○
	V-belt	281 110 061	281 110 062	○
	round belt	281 110 067	281 110 068	○
	cylindrical	281 110 043	281 110 044	●
40	crown-face	281 110 051	281 110 052	●
	flat belt	281 110 057	281 110 058	○
	V-belt	281 110 063	281 110 064	○
	round belt	281 110 069	281 110 070	○
	cylindrical	281 110 045	281 110 046	●

Special and stainless steel designs on request

● ex stock
○ at short notice on request

Chain and Belt Controllers

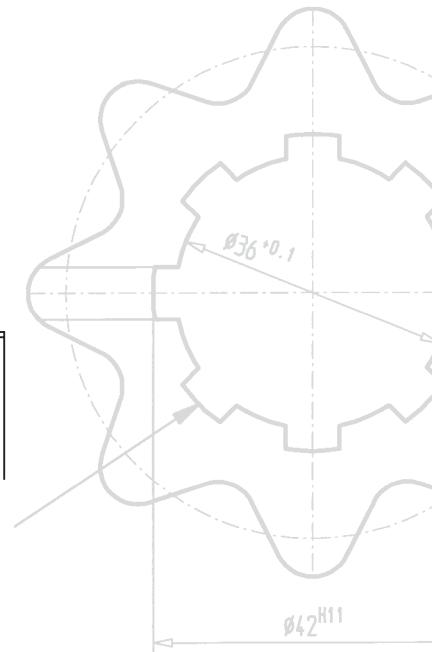
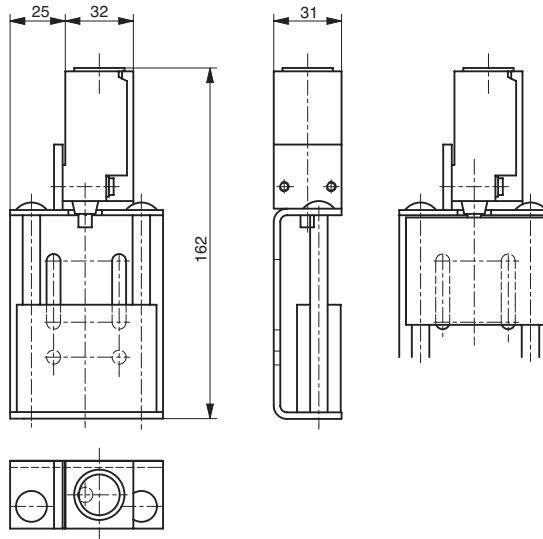


Incorporating mechanical limit switches or inductive proximity switches turns Murtfeldt's chain and belt tensioners into controllers capable of monitoring the smooth running of your production process. By activating a warning or triggering a machine shutdown in case of excessive chain/belt elongation or even rupture, they can help prevent serious damage.

In view of our clients' widely varying needs as to their preferred type of switch, please specify your individual requirements in detail to enable us to suggest a solution tailor-made for you.

Some possibilities are shown overleaf.

SPANN-BOY® TS with Mechanical Limit Switch



Function

For SPANN-BOY® TS, an add-on limit switch is best. Contact is tripped when the spring core reaches the setbolt of the switch which is either 'open' or 'closed'.

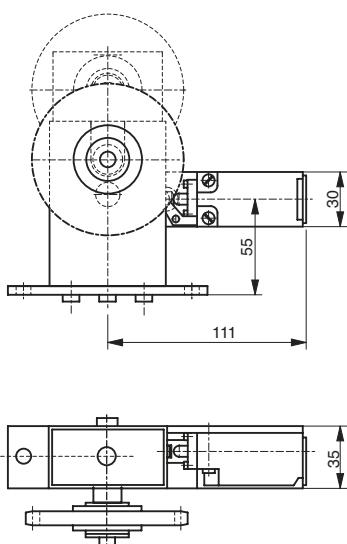
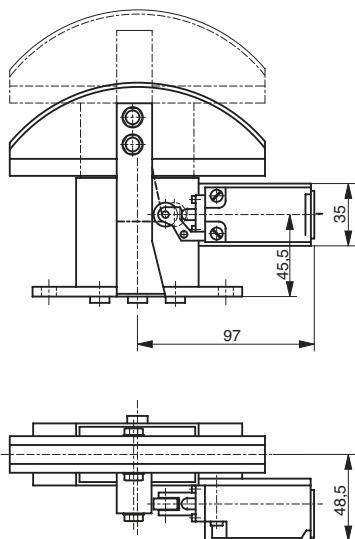
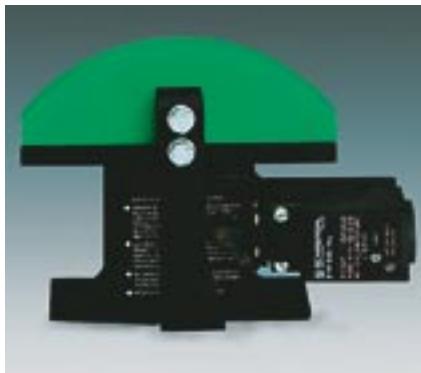
This switch can, for instance, be fitted to models with arc segment profile (see pg 124) with chain sprocket (see pg 137) with belt roller (see pg 144)

Ordering

When ordering, please quote the relevant SPANN-BOY® TS part no. and add 'mechanical limit switch'. Also please state voltage and ampere rating.

SPANN-BOX® with Mechanical Limit Switch

Sizes 1 and 2



Inductive Proximity Switch for SPANN-BOX®

Size 1 and 2



Alternative

Where a mechanical limit switch is not suitable (due to contamination, explosion protection or wear), a proximity switch can be installed for non-contact monitoring. It is either 'open' or 'closed'.

This switch can, for instance, be fitted to SPANN-BOX® Sizes 1 and 2 with arc segment profile (see pp 127–129).

A limit switch fitted laterally is the norm. In the standard version, contact is tripped by a sensor fixed to the slide profile. With SPANN-BOX® Types K-L and SR-L, the side of the casing is opened up and direct contact is made with the spring core. The limit switch is either 'open' or 'closed'.

This switch can, for instance, be fitted to models
with arc segment profile (see pg 127)
with chain sprocket (see pg 138)
with belt roller (see pg 145)

Ordering

When ordering, please quote the relevant SPANN-BOX® part no. and add 'mechanical limit switch'. Also please state voltage and ampere rating.

Ordering

When ordering, please quote the relevant SPANN-BOX® Size 1 or 2 part no. and add 'inductive proximity switch'. Also please state voltage and ampere rating.

Special and stainless steel designs on request