

TAKE-UP FRAME SELECTION

Take-Up Frames are utilized on conveyor systems to promote belt tracking and prevent belt slippage by maintaining proper belt tension on both extensions of a tail/take-up pulley. PCI[®] Tension Indicating Take-Up Frames utilize spring pressure to help maintain belt tension and automatically adjust for belt stretch and sudden load changes. Another feature, exclusive to PCI, is the tension indicating scale, which provides a real time readout of the belt tension-to help you take the tension out of belt tensioning and tracking!

DESIGN BENEFITS

- Real-time Belt Tension Readout offers optimum tracking and monitoring
- Enables quick and easy installment for rapid set-up duplication
- Displays available amount of adjustment left on the take-up frame



Telescoping Style with exclusive Tension Indicating Scale (cut-a-way view shown)

TENSION INDICATING TAKE-UP FRAME STYLES AVAILABLE

Coming soon



Narrow Slot



Wide Slot

Telescoping

HOW ARE PCI[®] TENSION INDICATING TAKE-UP FRAMES DIFFERENT FROM OTHER FRAMES?

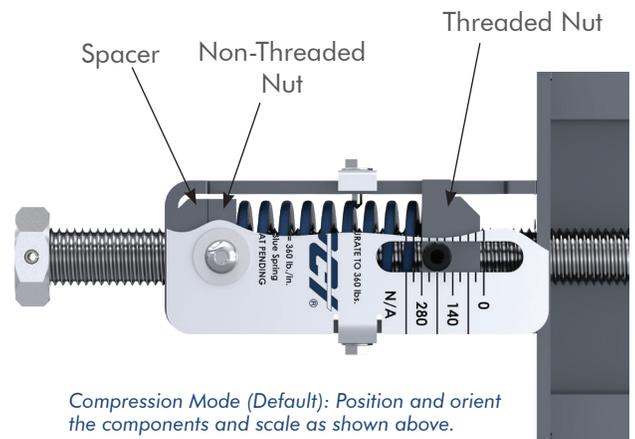
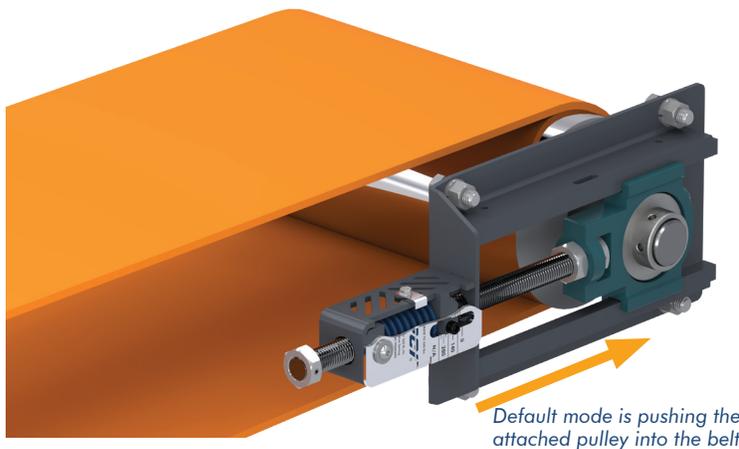
PCI Tension Indicating Take-Up Frames help you take the tension out of belt tensioning and tracking by providing an actual “real-time” readout along with the amount of belt tension adjustment available, which enables an installer to record the optimum belt tension for reliable belt tracking. PCI utilizes premium die springs which provide long life, and consistent accuracy. Maintenance personnel can continuously monitor and re-adjust belt tension during normal operation, when changing out critical system components, or during set up of duplicate conveyor systems.

FEATURE	 Tension Indicating Take-Up Frames	Competitive Spring Loaded Take-Up Frames
Spring pressure accommodates for belt stretch over time.	✓	✓
Maintains belt tension in extreme hot or cold conditions by accommodating for thermal expansion and contraction of belts.	✓	✓
Improves the accuracy of belt scales by reducing the counter-effects of belt tension on scale readings.	✓	✓
Acts as a shock absorber, protecting the take-up pulley and belt from shock loading caused by sudden starts/stops, impacts, or debris between the belt and pulley.	✓	✓
Provides an actual real-time readout of belt tension for reliable belt tracking.	✓	✗
Enables an installer to record the optimum belt tension for reliable belt tracking.	✓	✗
Allows maintenance personnel to continuously monitor belt tension, and re-adjust to optimum quickly and easily.	✓	✗
Allows users to quickly and easily adjust the belt to the optimum tension when changing out a belt, pulley, or any other conveyor components.	✓	✗
Enables rapid set up of duplicate conveyor systems by quickly adjusting the take-ups to the pre-determined optimum tension for belt tracking.	✓	✗
Utilizes premium die springs for long life and consistent accurate readout.	✓	✗
Displays to the user, the available amount of adjustment left on the take-up frame.	✓	✗

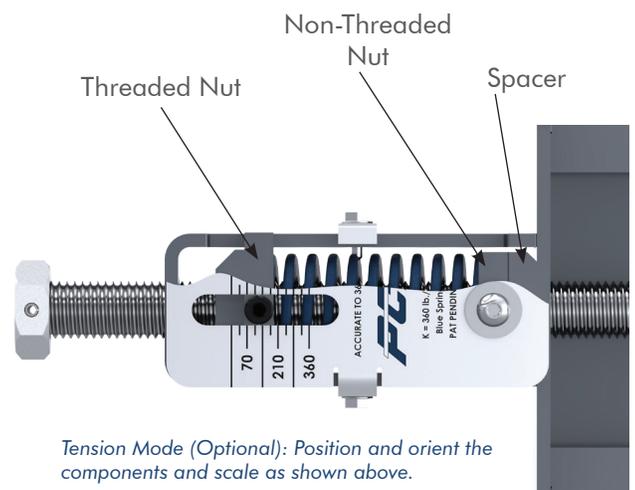
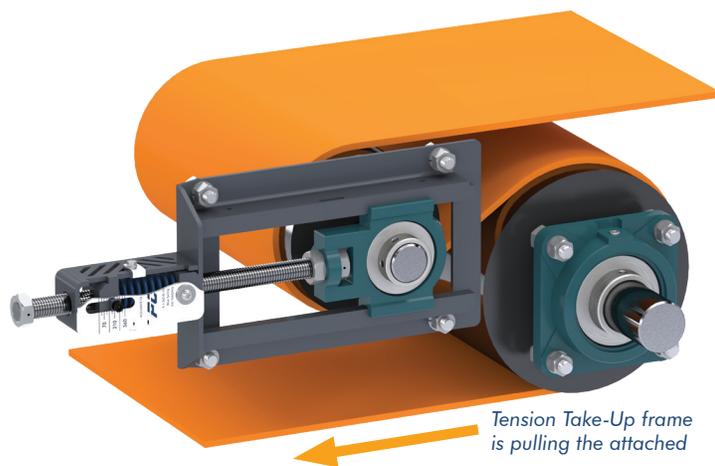
COMPRESSION VS. TENSION

PCI's patent-pending Tension-Indicating Wide-Slot Take-Up Frames can be sold in one of two configurations. The default mode is the Compression (C) configuration. In Compression, the Take-Up Frame is pushing the pulley into the belt, whereas in the alternate mode Tension (T) configuration, it is being pulled.

COMPRESSION TAKE-UP FRAME (default)

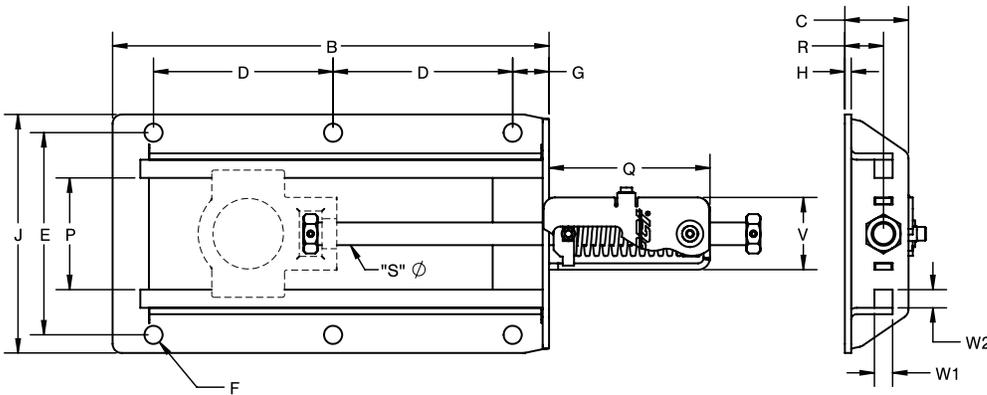


TENSION TAKE-UP FRAME (optional)



The Compression/Tension configurations can be easily modified by reversing the spring and internal components in the tension-indicating box.

COMING SOON



Bearings in-stock and readily available.
Tension indicating frames are not available in stainless steel.

PCI Part#	Avail. Spring Rates*	Size	Travel	B	C	D	E	F		G	H	J	P	Q	R	S Rod Dia.	W1	W2	Approx. Weight (lbs)	Optional Cover	
								No.	Bolt Dia.												
1411-SL0150-C			1 1/2	7 1/2		5 3/8													5.6	1411C	
1412-SL0150-C	0150		3	9		6 7/8													6.2	1412C	
1413-SL0150-C	0240	100	6	12	1 3/4	4 15/16	5 9/16	4	1/2	1	3/16	6 9/16	3 1/16	4 7/16	1 1/16	5/8	1/2	1/2	7.6	1413C	
1414-SL0150-C	0390		9	15		6 7/16													8.9	1414C	
1415-SL0150-C	0600		12	18		7 15/16													10.3	1415C	
1416-SL0240-C			3	9 1/8		6 7/16													7.8	1416C	
1417-SL0240-C	0240		6	12 1/8		9 7/16													9.3	1417C	
1418-SL0240-C	0360	108	9	15 1/8	2	6 7/32	6 1/16	4	1/2	1	3/16	7 1/16	3 9/16	4 13/16	1 1/4	3/4	1/2	1/2	10.8	1418C	
1419-SL0240-C	0480		12	18 1/8		7 23/32													12.3	1419C	
1420-SL0240-C	0800		18	24 1/8		10 23/32													15.4	1420C	
1421-SL0510-C	1200		3	10 3/4		8 1/2													13.1	1421C	
1422-SL0510-C	0510		6	13 3/4		11 1/2													15.4	1422C	
1423-SL0510-C	0900	200	9	16 3/4	2 7/16	7 1/4	7 5/16	4	9/16	1 1/8	3/16	8 13/16	4 1/16	4 7/8	1 7/16	1	5/8	5/8	17.7	1423C	
1424-SL0510-C	1250		12	19 3/4		8 3/4													19.9	1424C	
1425-SL0510-C	1500		18	25 3/4		11 3/4													24.5	1425C	
1426-SL1110-C			6	14 3/4		12 1/2													21.2	1426C	
1427-SL1110-C	1110		9	17 3/4		15 1/2													23.8	1427C	
1428-SL1110-C	1350	208	12	20 3/4	2 5/8	9 1/4	8 5/8	4	5/8	1 1/8	3/16	10 7/16	5 3/16	5 7/16	1 1/2	1 1/4	1	1/2	26.4	1428C	
1429-SL1110-C	1950		15	23 3/4		10 3/4													29.0	1429C	
1430-SL1110-C	2700		18	26 3/4		12 1/4													31.6	1430C	
1431-SL1110-C	3100		24	32 3/4		15 1/4													36.8	1431C	
1432-SL1040-C			9	20 7/8		17 1/2													38.3	1432C	
1433-SL1040-C	1040	300	12	23 7/8		10 1/4													42.1	1433C	
1434-SL1040-C	1800		18	29 7/8	3 3/8	13 1/4	10 1/4	4	1 1/16	2 1/2	1/4	12	6	6 7/8	2	1 1/2	1	1/2	49.8	1434C	
1435-SL1040-C	2550		24	35 7/8		16 1/4													57.5	1435C	
1436-SL1040-C	3200		30	41 7/8		19 1/4													65.1	1436C	
1437-SL1040-C			12	23 7/8		10 1/4													42.3	1437C	
1438-SL1040-C	1040	308	18	29 7/8	3 3/8	13 1/4	10 13/16	6	1 1/16	2 1/2	1/4	12 9/16	6 9/16	6 7/8	2	1 1/2	1	1/2	50.0	1438C	
1439-SL1040-C	1800		24	35 7/8		16 1/4													57.7	1439C	
1440-SL1040-C	2550		30	41 7/8		19 1/4													65.4	1440C	
1440-SL1040-C	3200																				1440C

NOTES: *To specify a different spring capacity replace the last four digits of the part number with the new spring rate. For three digit numbers, add a zero "0" as the first of the four spring rate digits.
-C denotes default "Compression" configuration - For "Tension" configuration, specify -T instead of -C

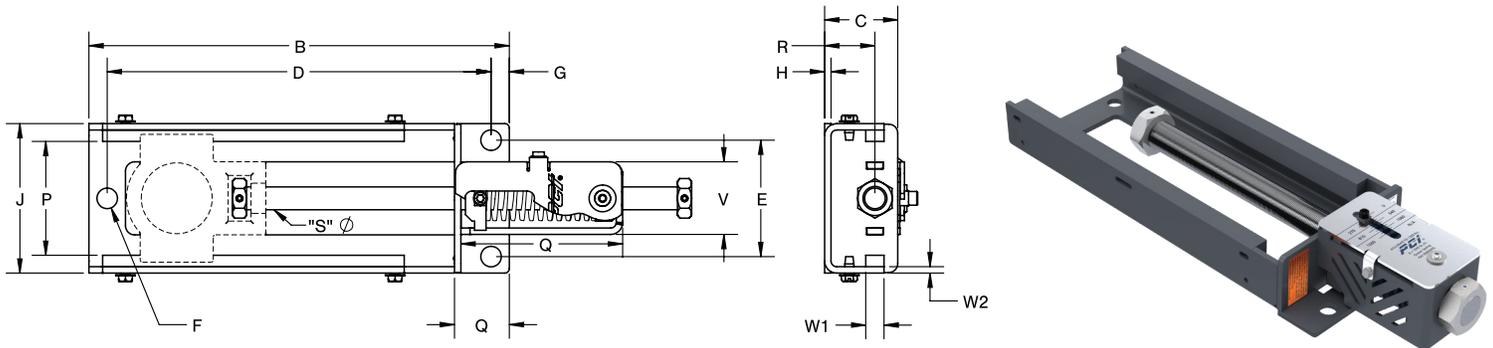
OPTIONAL TAKE-UP FRAME COVERS

COVERS:

PCI Take-Up Frame covers are designed to protect internal components and are powder-coated safety yellow to identify hidden moving components.

To specify, add a "C" to the part number of the corresponding base frame. For example, the cover for a 1411-SL0600-C frame is 1411C. These covers are the same as those on PCI's non-tension-indicating Wide Slots.





Bearings in-stock and readily available.
Tension indicating frames are not available in stainless steel.

PCI Part#	Avail. Spring Rates*	Size	Travel	B	C	D	E	F		G	H	J	P	R	S Rod Dia.	W1	W2	Approx. Weight (lbs)	Optional Cover
								No.	Bolt Dia.										
1SF10P-SL0150-C		100	1 1/2	7	2	6	3 3/16	3	9/16	1/2	3/16	4 1/16	3 3/32	1 3/8	5/8	1/2	5/16	4.8	1SF10PC
3SF16P-SL0150-C	0150		3	8 1/2		7 1/2												5.4	3SF16PC
6SF16P-SL0150-C	0240		6	11 1/2		10 1/2												6.6	6SF16PC
9SF16P-SL0150-C	0390		9	14 1/2		13 1/2												7.9	9SF16PC
3SF23P-SL0240-C	0600	108	3	9 3/8	2 1/16	8 3/8	3 11/16	3	9/16	1/2	1/4	4 11/16	3 9/16	1 3/8	3/4	1/2	5/16	8.0	3SF23PC
6SF23P-SL0240-C	0240		6	12 3/8		11 3/8												9.6	6SF23PC
9SF23P-SL0240-C	0360		9	15 3/8		14 3/8												11.3	9SF23PC
12SF23P-SL0240-C	0480		12	18 3/8		17 3/8												12.9	12SF23PC
3SF31P-SL0510-C	0800	200	3	11	2 1/2	9 7/8	3 1/16	4	9/16	1/2	1/4	5 5/16	4 1/16	1 5/8	1	5/8	3/8	13.0	3SF31PC
6SF31P-SL0510-C	1200		6	14		12 7/8												15.3	6SF31PC
9SF31P-SL0510-C	0510		9	17		15 7/8												17.6	9SF31PC
12SF31P-SL0510-C	0730		12	20		18 7/8												19.9	12SF31PC
18SF31P-SL0510-C	0900	208	18	26	2 3/4	24 7/8	4 1/8	4	11/16	5/8	1/4	6 15/16	5 3/16	1 7/8	1 1/4	1	5/8	24.5	18SF31PC
9SF39P-SL1110-C	1250		9	18 1/4		16 7/8												30.0	9SF39PC
12SF39P-SL1110-C	1500		12	21 1/4		19 7/8												33.7	12SF39PC
18SF39P-SL1110-C	1110, 1350, 1950, 2700, 3100		18	27 1/4		25 7/8												41.3	18SF39PC

NOTES: *To specify a different spring capacity replace the last four digits of the part number with the new spring rate. For three digit numbers, add a zero "0" as the first of the four spring rate digits.
-C denotes default "Compression" configuration - For "Tension" configuration, specify -T instead of -C

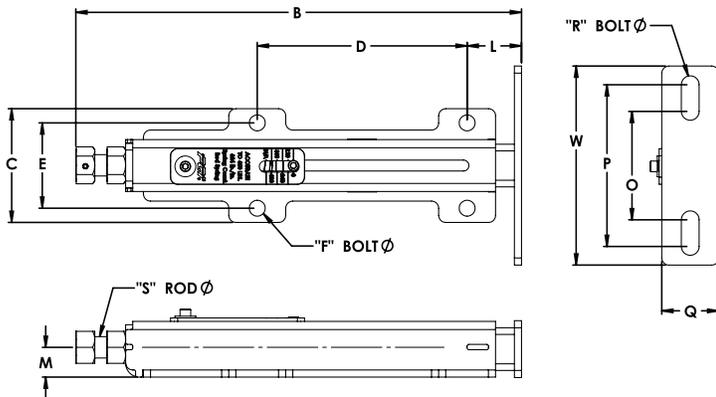
OPTIONAL TAKE-UP FRAME COVERS

COVERS:

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To specify, add a "C" to the part number of the corresponding base frame. For example, the cover for a 1SF10P-SL0150-C frame is 1SF10PC. These covers are the same as those on PCI's non-tension-indicating Wide Slots.





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PCI Part#	Avail. Spring Rates*	Size	Travel	B	C	D	E	F		L	M	O	P	Q	R Slot Dia.	S Rod Dia.	W	Approx. Weight (lbs)	Optional Cover	
								No.	Bolt Dia.											
TS100X3TUFPP-SL0180	0180 0350	100	3	11 3/16	3 11/16	3	9/16	2 5/8	4	1/2	1 1/2	0.78	2 15/16	5 7/16	1 1/2	7/16	0.5	6 3/8	4	TS100X3TUFPP-SL-C
TS100X6TUFPP-SL0180			6	14 11/16		7	1/16												5	TS100X6TUFPP-SL-C
TS100X9TUFPP-SL0180			9	18 11/16		11	1/16												8	TS100X9TUFPP-SL-C
TS250X3TUFPP-SL0360	0360 0480 0800 1200	250	3	12 3/8	4	4	3/8	3	4	1/2	1 5/8	1	3 13/16	5 11/16	2	5/8	0.75	7	8	TS250X3TUFPP-SL-C
TS250X6TUFPP-SL0360			6	15 3/8		7	3/8												10	TS250X6TUFPP-SL-C
TS250X9TUFPP-SL0360			9	18 3/8		10	3/8												12	TS250X9TUFPP-SL-C
TS250X12TUFPP-SL0360			12	21 3/8		13	3/8												15	TS250X12TUFPP-SL-C
TS300X6TUFPP-SL0900	0900 1250 1500	300	6	17 1/8	5 1/4	6	1/8	4	4	5/8	1 7/8	1 3/8	5 9/16	8 11/16	2 3/4	3/4	1	10	19	TS300X6TUFPP-SL-C
TS300X9TUFPP-SL0900			9	21 1/8		10	1/8												24	TS300X9TUFPP-SL-C
TS300X12TUFPP-SL0900			12	25 1/8		14	1/8												29	TS300X12TUFPP-SL-C
TS300X18TUFPP-SL0900			18	32 1/8		21	1/8												37	TS300X18TUFPP-SL-C
TS300X24TUFPP-SL0900			24	38 1/8		27	1/8												44	TS300X24TUFPP-SL-C
TS300X36TUFPP-SL0900			24	50 1/8		39	1/8												58	TS300X36TUFPP-SL-C
TS350X6TUFPP-SL0900	0900 1250 1500	350	6	19	6	9	5/8	4	4	5/8	1 7/8	1 1/2	5 9/16	8 11/16	3	3/4	1	10	27	TS350X6TUFPP-SL-C
TS350X9TUFPP-SL0900			9	22		12	5/8												32	TS350X9TUFPP-SL-C
TS350X12TUFPP-SL0900			12	25		15	5/8												37	TS350X12TUFPP-SL-C
TS350X18TUFPP-SL0900			18	31		21	5/8												47	TS350X18TUFPP-SL-C
TS350X24TUFPP-SL0900			24	37		27	5/8												57	TS350X24TUFPP-SL-C
TS400X6TUFPP-SL1400	1400	400	6	26 3/4	7 1/2	14		4	7/8	3 1/2	1.92	8 1/2	11 3/4	3 1/2	7/8	1.5	14	58	TS400X6TUFPP-SL-C	
TS400X9TUFPP-SL1400			9	29 3/4		17												65	TS400X9TUFPP-SL-C	
TS400X12TUFPP-SL1400			12	32 3/4		20												71	TS400X12TUFPP-SL-C	
TS400X18TUFPP-SL1400			18	38 3/4		26												84	TS400X18TUFPP-SL-C	
TS400X24TUFPP-SL1400			24	44 3/4		32												97	TS400X24TUFPP-SL-C	
TS400X36TUFPP-SL1400			36	56 3/4		44												123	TS400X36TUFPP-SL-C	
TS400X48TUFPP-SL1400			48	68 3/4		56												148	TS400X48TUFPP-SL-C	

NOTES: *To specify a different spring capacity replace the last four digits of the part number with the new spring rate. For three digit numbers, add a zero "0" as the first of the four spring rate digits. For Example to order a 350 lb. capacity TS100X3TUFPP, simply replace the last four digits of the standard part number (TS100X3TUFPP-SL0180) with 0350, so the new part number is TS100X3TUFPP-SL0350.

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To specify, add a "C" to the part number of the corresponding base frame. For example, the cover for a TS100X3TUFPP-SL0180 frame is TS100X3TUFPP-SL0180C. These covers are the same as those on PCI's non-tension-indicating frames.

