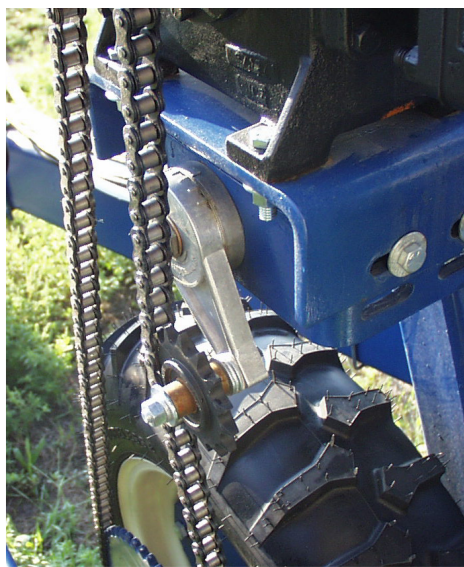




Fenner Drives

Fenner Drives Belt & Chain Tensioners

Automatically take up the slack and avoid the risk of over-tensioning drive components to enhance overall drive operating efficiency.

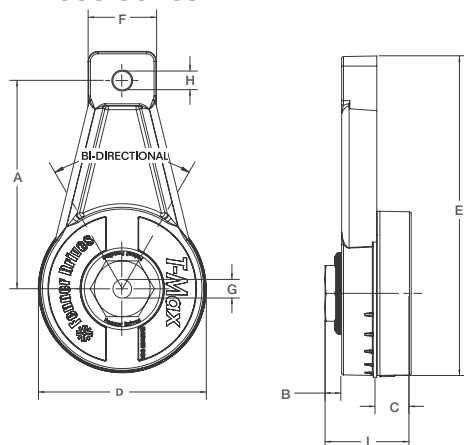
- Constructed from high-quality materials for proven durability
- Wide range of tensioners to handle single and multiple strand belt and chain drives
- Available in linear and rotary (light-duty, medium and heavy-duty) series
- A range of sizes and mounting styles available to best fit your application

Fenner Drives has proven success in these Markets:

- | | |
|------------------------|-------------------|
| • Data Centers | • HVAC |
| • Distribution Centers | • Meat Processing |
| • Livestock Farming | • Packaging |
| • Glass | • Wood Processing |
| • Gypsum | |

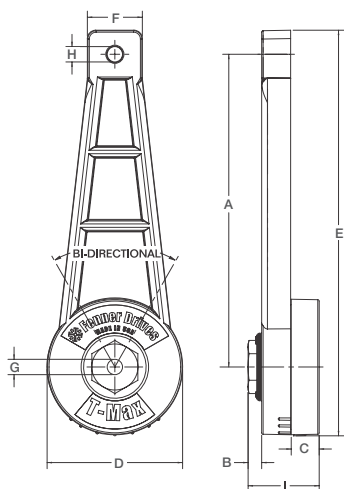


RT1000 Series *



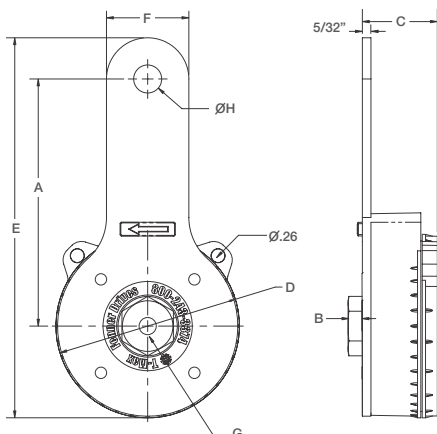
Part Number	Dimensions (inches)									Rotation (degrees)	Force ‡ (lbs)
	A	B	C	D	E	F	G	H	I		
RT1001	3.50	0.29	0.59	2.76	5.37	1.15	3/8-16	3/8-16	1.45	15	16
										30	23
										45	30
RT1003	3.50	0.29	0.59	2.76	5.37	1.15	0.40	3/8-16	1.45	15	16
										30	23
										45	30
RT1054ZF	3.50	0.29	0.59	2.76	5.37	1.15	3/8-16	3/8-16	1.45	15	16
										30	23
										45	30
RT1056ZF	3.50	0.29	0.59	2.76	5.37	1.15	3/8-16	3/8-16	1.45	15	16
										30	23
										45	30

RT1600 Series *



Part Number	Dimensions (inches)									Rotation (degrees)	Force ‡ (lbs)
	A	B	C	D	E	F	G	H	I		
RT1601-L	6.37	0.29	0.59	2.76	8.24	1.12	3/8-16	3/8-16	1.45	15	10
										30	13
										45	16
RT1603-L	6.37	0.29	0.59	2.76	8.24	1.12	0.40	3/8-16	1.45	15	10
										30	13
										45	16
RT1601	6.37	0.29	0.59	2.76	8.24	1.12	3/8-16	3/8-16	1.45	15	20
										25	23
										35	26
RT1603	6.37	0.29	0.59	2.76	8.24	1.12	0.40	3/8-16	1.45	15	20
										25	23
										35	26

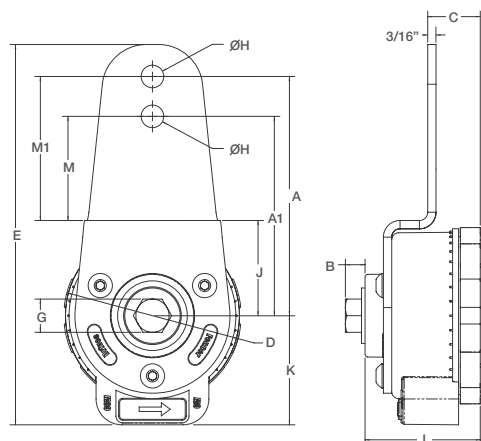
RT3000 Series *



Part Number	Dimensions (inches)								Rotation (degrees)	Force ‡ (lbs)
	A	B	C	D	E	F	G	H		
RT3000	4.50	0.28	1.35	3.34	6.92	1.50	3/8-16	0.51	0 - 70	0 - 42
RT3001	4.50	0.28	1.35	3.34	6.92	1.50	0.40	0.51	0 - 70	0 - 42

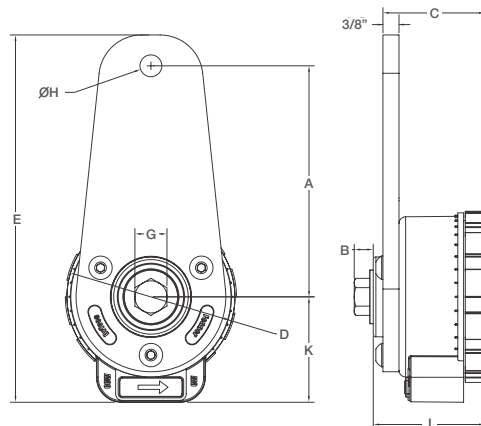
* Consult factory for minimum orders and lead times

RT4100 Series *†



Part Number	Dimensions (inches)													Rotation (degrees)	Force ‡ (lbs)
	A	A1	B	C	D	E	G	H	I	J	K	M	M1		
RT4100	5.40	4.50	0.47	1.19	4.00	8.58	1/2 - 13	0.51	2.60	2.15	2.46	2.35	3.25	0 - 85	0 - 85
RT4101	5.40	4.50	N/A	1.19	4.00	8.58	0.51	0.51	2.60	2.15	2.46	2.35	3.25	0 - 85	0 - 85

RT4900 Series *†



Part Number	Dimensions (inches)									Rotation \$ (degrees)	Force \$ (lbs)
	A	B	C	D	E	G	H	I	K		
RT4900	5.40	N/A	2.37	4.00	8.58	0.51	0.51	2.60	2.46	0 - 85	0 - 70
RT4902	5.40	0.47	2.37	4.00	8.58	1/2 - 13	0.51	2.60	2.46	0 - 85	0 - 70

* Maximum load no more than 1½" distance from front face of tensioner arm to centerline of idler.

† Requires a fixed head, hook style spanner wrench for tensioning (supplied with unit).

‡ Dimension A: 1° rotation = .83 lb. force.

§ Dimension A1: 1° rotation = 1 lb. force. All forces (lbs.) are nominal.

§ 1° rotation = .83 lb. force. All forces (lbs.) are nominal.

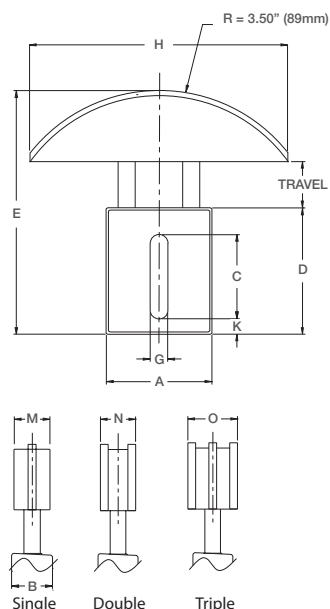
TMAX TENSIONER BRACKET



Part Number	Bracket Compatible with	Base Compatible with
B1265	RT1000 RT3000	NEMA 48, 56, 143T IEC 63, 71, 80, 90s

* Consult factory for minimum orders and lead times

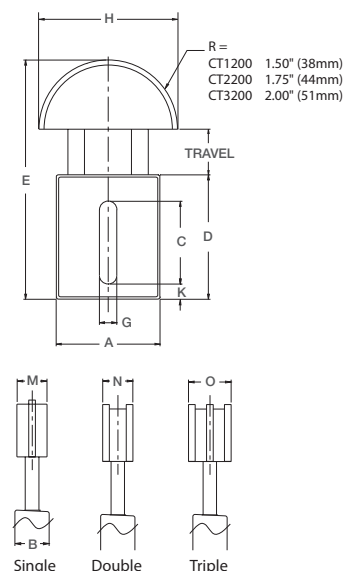
CT Series: CT1100, CT2100 & CT3100†



Series	Tensioner Body Dimensions*								Travel	Force †
	A	B	C	D	E	G	H	K	(in)	(lbs)
INCH										
CT11XX	2.31	0.98	1.82	2.91	5.6	0.41	5.5	0.46	1.05	15 - 40
CT21XX	2.95	1.18	2.27	3.52	6.4	0.49	5.5	0.45	1.20	20 - 60
CT31XX	3.54	1.35	2.91	4.25	7.5	0.53	5.5	0.49	1.50	45 - 100

Single Chain			Double Chain			Triple Chain			Travel	Force
Part Number	Chain	M*	Part Number	Chain	N*	Part Number	Chain	O*	(in)	(lbs)
INCH										
CT1101-L	#35	0.79	CT1103-L	#35	0.79	CT1105-L	#35	0.98	1.05	5 - 30
CT1101	#35	0.79	CT1103	#35	0.79	CT1105	#35	0.98	1.05	15 - 40
CT1102	#40	0.79	CT1104	#40	0.79	CT1106	#40	1.37	1.05	15 - 40
CT2101	#50	0.87	CT2103	#50	0.98	CT2105	#50	1.75	1.20	20 - 60
CT2102	#60	0.87	CT2104	#60	1.37				1.20	20 - 60
CT3101	#80	0.98	CT3103	#80	1.75				1.50	45 - 100
CT3102	#100	0.98							1.50	45 - 100
CT3102-H	#100	0.98							1.00	30 - 200
CT3196	#81X	2.15							1.50	45 - 100
METRIC										
CT1111-L	06B	20	CT1113-L	06B	20				27	22 - 133
CT1111	06B	20	CT1113	06B	20				27	67 - 178
CT1112	08B	20	CT1114	08B	20				27	67 - 178
CT2111	10B	22	CT2112	10B	25				31	89 - 267
CT2109	12B	22							31	89 - 267
CT3111	16B	25	CT3113	16B	44				38	200 - 445
CT3112	20B	25							38	200 - 445
CT3112-H	20B	25							25	134 - 890

CT Series: CT1200, CT2200 & CT3200†



Series	Tensioner Body Dimensions*								Travel	Force
	A	B	C	D	E	G	H	K	(in)	(lbs)
INCH										
CT12XX	2.31	0.98	1.82	2.91	5.47	0.41	3	0.46	1.05	15 - 40
CT22XX	2.95	1.18	2.27	3.52	6.47	0.49	3.5	0.45	1.20	20 - 60

Single Chain			Double Chain			Triple Chain			Travel	Force
Part Number	Chain	M*	Part Number	Chain	N*	Part Number	Chain	O*	(in)	(lbs)
INCH										
CT1201-L	#35	1.00	CT1203-L	#35	0.79	CT1205-L	#35	0.98	1.05	5 - 30
CT1201	#35	1.00	CT1203	#35	0.79	CT1205	#35	0.98	1.05	15 - 40
CT1202	#40	1.00	CT1204	#40	0.79	CT1206	#40	1.37	1.05	15 - 40
CT2201	#50	1.00	CT2203	#50	0.98	CT2205	#50	1.75	1.20	20 - 60
CT2202	#60	1.00	CT2204	#60	1.37				1.20	20 - 60
CT3201	#80	0.98	CT3203	#80	1.75				1.50	45 - 100
CT3202	#100	0.98							1.50	45 - 100
CT3202-H	#100	0.98							1.00	30 - 200
METRIC										
CT1211-L	06B	20	CT1213-L	06B	20				27	22 - 133
CT1211	06B	20	CT1213	06B	20				27	67 - 178
CT1212	08B	20	CT1214	08B	20				27	67 - 178
CT2208	10B	22	CT2209	10B	25				31	89 - 267
CT2206	12B	22	CT2207	12B	35				31	89 - 267
CT3211	16B	25	CT3213	16B	44				38	200 - 445
CT3212	20B	25							38	200 - 445
CT3212-H	20B	25							25	134 - 890

* Inch dimensions are in inches; metric dimensions are in millimeters.

† These tensioners can be used on chain sizes up to ANSI #160 or BS/DIN #24B.

Contact Fenner Industrial Motion Applications Engineering group at AE@fenner.com for head dimensions.

‡ All forces are nominal.

Consult factory for minimum orders and lead times

Fenner Drives Tensioner/Pulley Assembly



Assembly Part Number	Component	Component Part Number	
A Section Belt			
FS0578	Tensioner	RT1001	Force Range: 0-30 lb
	Pulley	VA3001	3" OD
FS0581ZF	Tensioner	RT1001	Force Range: 0-30 lb Zerk fitted to apply grease to the spring cavity.
	Pulley	VA3001	3" OD
FS0667ZF	Tensioner	RT1001-L	Force Range: 0-30 lb Zerk fitted to apply grease to the shaft area.
	Pulley	VX3012	3" OD
FS0524	Tensioner	RT3001	Force Range: 0-42 lb
	Pulley	VA3001	3" OD

Fenner Drives Tensioner/Pulley Assembly



Assembly Part Number	Component	Component Part Number	
B Section Belt			
FS0566	Tensioner	RT3001	Force Range: 0-42 lb
	Pulley	VA5001	5" OD
FS0608	Tensioner	RT3000	Force Range: 0-42 lb
	Pulley	VX0285	4" OD Double Groove

Fenner Drives Tensioner/Sprocket Assemblies

Assembly Part Number	Component	Component Part Number	Rotation (Degrees)	Force (lbs)
#35 Chain				
FS0142	Tensioner Sprocket	RT1001 CS3502	15	16
			30	23
			45	30
FS0658	Tensioner Sprocket	RT1601-L CS3502	15	10
			30	13
			45	16
#40 Chain				
FS0651	Tensioner Sprocket	RT1001 CS4002	15	16
			30	23
			45	30
FS0652	Tensioner Sprocket	RT1601 CS4002	15	20
			25	23
			35	26
FS0644	Tensioner Sprocket	RT1601-L CS4002	15	10
			30	13
			45	16
FS0557	Tensioner Sprocket	RT3001 CS4002	0 - 70	0 - 42



Assembly Part Number	Component	Component Part Number	Rotation (Degrees)	Force (lbs)
#50 Chain				
FS0653	Tensioner Sprocket	RT1001 CS5002	15	16
			30	23
			45	30
FS0654	Tensioner Sprocket	RT1601 CS5002	15	20
			25	23
			35	26
FS0659	Tensioner Sprocket	RT1601-L CS5002	15	10
			30	13
			45	16
FS0567	Tensioner Sprocket	RT3001 CS5002	0 - 70	0 - 42
#60 Chain				
FS0655	Tensioner Sprocket	RT1001 CS6002	15	16
			30	23
			45	30
FS0656	Tensioner Sprocket	RT1601 CS6002	15	20
			25	23
			35	26
FS0568	Tensioner Sprocket	RT3001 CS6002	0 - 70	0 - 42
#80 Chain				
FS0657	Tensioner Sprocket	RT1001 CS8002	15	16
			30	23
			45	30

Fenner Industrial Motion has several tensioner/sprocket assemblies not shown here. Contact us for availability.

* Consult factory for minimum orders and lead times