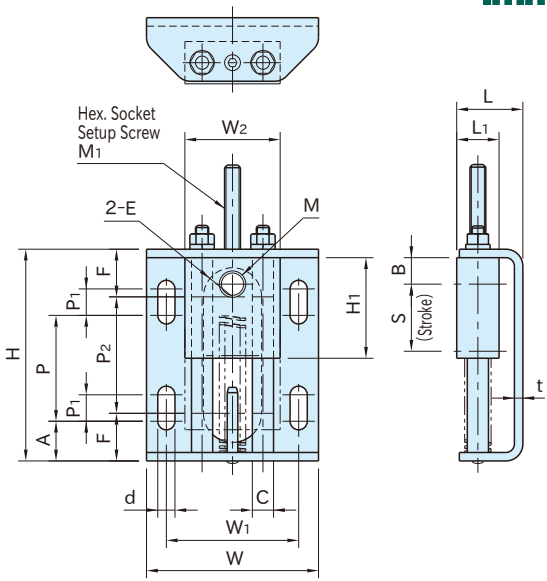
AST SPRING TIGHTENERS



Part Number	Base	Idler-Pin Holder	Guide Shaft	Spring Holding Pin	Spring
AST65	Steel (SPCC)	Steel (SS400) Black oxide finish	Steel (S45C) Chrome plated	Steel (S45C) Black oxide finish	Steel (SWOSC-V)
AST100	Steel (SPHC)				

Part Number	Max. Tension	Initial Tension	M	S	B	W	H	L	t	d	P_1	P	A
AST 65	120	13.6	M10×1.5	27	10	65	80	25	3.2	6.5	10	40	15
AST100	320	24	M20×2.5	37	15	100	120	35	4.5	9	15	65	20

Part Number	W_1	W_2	H_1	L_1	M_1	C	E	P_2	F	Weight (g)
AST 65	50	36	38	16	M6×1 -35L	8	R11	44	18	360
AST100	80	60	50	25	M8×1.25-50L	12	R15	71	24.5	1,250

Features

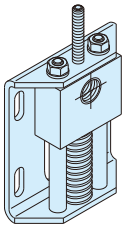
- The spring allows automatically adjusting chain or belt slack amount in operation.
- Provides high tension.
- Can be installed in both horizontal and vertical positions.
- Allows easy tensioning.

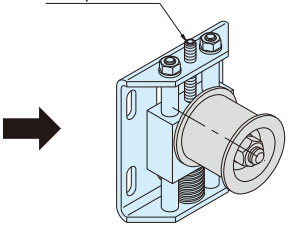
Technical Data on Spring Used

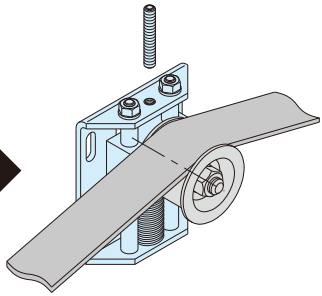
Part Number	Free Length	O.D.	I.D.	I.D. Spring Constant (N/mm)
AST 65	55	10	5	4
AST100	80	20	11	8

Application Example

How To Set







Mount an Idler Pin and an Idle Pulley (or Sproclet) on a Spring Tightener, and then tighten the setup screw with a wrench.

Place a bel (t or a chain) on the Idle Pulley (or Sprocket), and then remove the setup screw. The spring works to exert a tension to the bel (t or chain)