

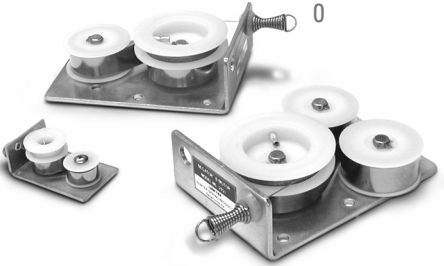
BASE-MOUNTED

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► MATERIAL:

- Base **ML1448** - Stainless Steel
- ML2900 Series** - Steel, Zinc Plated
- Drums **ML1448** - Nylon
- ML2900 Series** - Celcon or Nylon
- Springs (All) - 301 Stainless Steel, Hi-Yield
- Cable **ML1448** - Ø.015 Nylon Monofilament
- ML2900 Series** - Ø.024 Stainless Steel, Uncoated

Spring motor assemblies provide linear and rotary output as product components of experimental prototypes. A constant torque motor consists of a Neg'ator band, take-up drum, larger output drum, baseplate and cable.



A 3Z52-ML1448

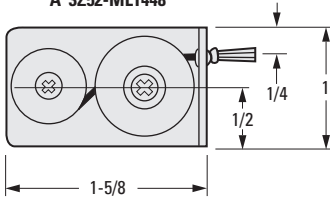


Fig. 1

A 3Z52-ML2917 and 2918

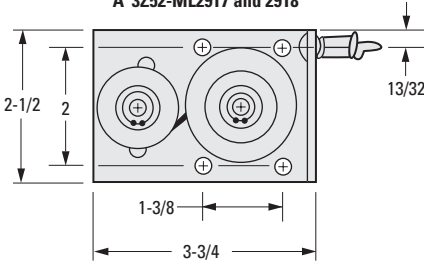


Fig. 2

A 3Z52-ML2919 thru 2921

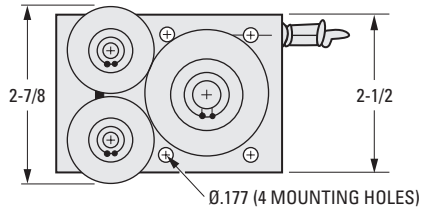
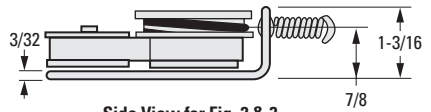


Fig. 3



Side View for Fig. 2 & 3

**INCH COMPONENT**

Catalog Number	Fig. No.	Spring Torque lb-in.	Cable Tension lbs	Cable Length in.	No. of Rev's	Fatigue Life (Min.)
A 3Z52-ML1448	1	.10	.375	36	20	3000
A 3Z52-ML2917	2	.78	1.000	72	15	7500
A 3Z52-ML2918	2	1.56	2.000	72	15	2500
A 3Z52-ML2919	3	2.33	3.000	72	15	4500
A 3Z52-ML2920	3	3.12	4.000	72	15	2500
A 3Z52-ML2921	3	3.90	5.000	72	15	2000

NOTE: Torque and cable loads are nominal.

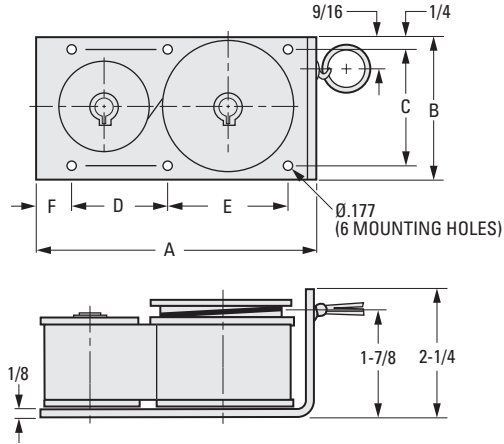
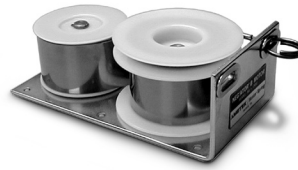
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**> MATERIAL:**

- Base** - Steel, Zinc Plated
- Drums** - Acetal
- Springs** - 301 Stainless Steel, Hi-Yield
- Cable** - Ø.031 Galvanized Steel, Nylon Coated to Ø.047

Spring motor assemblies provide linear and rotary output as product components of experimental prototypes. A constant torque motor consists of a Neg'ator band, take-up drum, larger output drum, baseplate and cable.



**INCH COMPONENT**

Catalog Number	Spring Torque lbf in.	Cable Tension lbf	Cable Length in.	No. of Rev's	Endurance (Min. No. of Cycles)
A 3Z52-ML2476	6.65	7.5	42	8	6000
A 3Z52-ML2478	7.95	10.0	37	7	5000
A 3Z52-ML2480	11.90	15.0	33	6	2500
A 3Z52-ML2482	15.50	15.0	160	29	2000
A 3Z52-ML2484	13.90	13.5	160	29	2500
A 3Z52-ML2486	10.60	10.0	184	33	4000
A 3Z52-ML2488	8.06	7.5	207	36	6000
A 3Z52-ML2490	5.62	5.0	235	40	9000
A 3Z52-ML2492	3.63	3.1	273	45	15000

**NOTE:** Torque and cable loads are nominal.

Catalog Number (Ref.)	A	B	C	D	E	F
A 3Z52-ML2476	5	2-3/4	2-1/4	1-7/8	2-1/4	11/32
A 3Z52-ML2478	5	2-3/4	2-1/4	1-7/8	2-1/4	11/32
A 3Z52-ML2480	5	2-3/4	2-1/4	1-7/8	2-1/4	11/32
A 3Z52-ML2482	6-1/4	3-1/4	2-3/4	2-9/16	2-3/4	3/8
A 3Z52-ML2484	6-1/4	3-1/4	2-3/4	2-9/16	2-3/4	3/8
A 3Z52-ML2486	6-1/4	3-1/4	2-3/4	2-9/16	2-3/4	3/8
A 3Z52-ML2488	6-1/4	3-1/4	2-3/4	2-9/16	2-3/4	3/8
A 3Z52-ML2490	6-1/4	3-1/4	2-3/4	2-9/16	2-3/4	3/8
A 3Z52-ML2492	6-1/4	3-1/4	2-3/4	2-9/16	2-3/4	3/8

