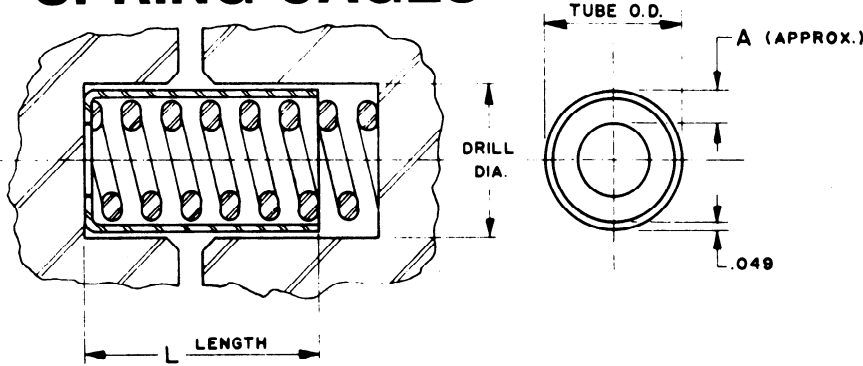




MATIS SPRING CAGES



SPRING O.D.	DRILL DIA.	TUBE O.D.	A
3/4	7/8	.855	13/64
1	1-1/8	1.105	7/32
1-1/4	1-3/8	1.355	1/4
1-1/2	1-5/8	1.605	9/32
2	2-1/8	2.105	3/8

FOR 3/4 O.D. SPRING

CATALOG NO.	L
6-8	1.00
6-10	1.25
6-12	1.50
6-14	1.75
6-16	2.00
6-18	2.25
6-20	2.50
6-22	2.75
6-24	3.00
6-26	3.25
6-28	3.50
6-30	3.75
6-32	4.00
6-34	4.25
6-36	4.50
6-38	4.75
6-40	5.00
6-44	5.50
6-48	6.00
6-52	6.50
6-56	7.00
6-64	8.00
6-72	9.00
6-80	10.00

FOR 1 O.D. SPRING

CATALOG NO.	L
8-8	1.00
8-10	1.25
8-12	1.50
8-14	1.75
8-16	2.00
8-18	2.25
8-20	2.50
8-22	2.75
8-24	3.00
8-26	3.25
8-28	3.50
8-30	3.75
8-32	4.00
8-34	4.25
8-36	4.50
8-38	4.75
8-40	5.00
8-44	5.50
8-48	6.00
8-52	6.50
8-56	7.00
8-64	8.00
8-72	9.00
8-80	10.00

FOR 1-1/4 O.D. SPRING

CATALOG NO.	L
10-8	1.00
10-10	1.25
10-12	1.50
10-14	1.75
10-16	2.00
10-18	2.25
10-20	2.50
10-22	2.75
10-24	3.00
10-26	3.25
10-28	3.50
10-30	3.75
10-32	4.00
10-34	4.25
10-36	4.50
10-38	4.75
10-40	5.00
10-44	5.50
10-48	6.00
10-52	6.50
10-56	7.00
10-64	8.00
10-72	9.00
10-80	10.00

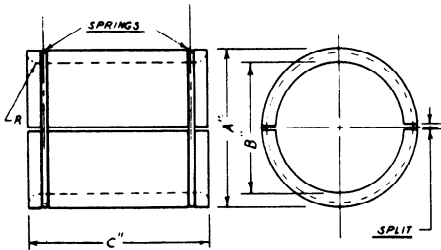
FOR 1-1/2 O.D. SPRING

CATALOG NO.	L
12-10	1.25
12-12	1.50
12-14	1.75
12-16	2.00
12-18	2.25
12-20	2.50
12-22	2.75
12-24	3.00
12-26	3.25
12-28	3.50
12-30	3.75
12-32	4.00
12-34	4.25
12-36	4.50
12-38	4.75
12-40	5.00
12-44	5.50
12-48	6.00
12-52	6.50
12-56	7.00
12-64	8.00
12-72	9.00
12-80	10.00

FOR 2 O.D. SPRING

CATALOG NO.	L
16-10	1.25
16-12	1.50
16-14	1.75
16-16	2.00
16-18	2.25
16-20	2.50
16-22	2.75
16-24	3.00
16-26	3.25
16-28	3.50
16-30	3.75
16-32	4.00
16-34	4.25
16-36	4.50
16-38	4.75
16-40	5.00
16-44	5.50
16-48	6.00
16-52	6.50
16-56	7.00
16-64	8.00
16-72	9.00
16-80	10.00
16-88	11.00
16-96	12.00

DIE SET SHANK ADAPTERS



NOTE - OD & ID SPECIAL MACHINED TO HAVE MAXIMUM HOLDING ACTION

SPECIFICATIONS

(Nine Standard Sizes in Stock)

No.	L.D. Dim. A	O.D. Dim. B	Dim. C
S-151	1-1/2"	1"	1-1/2"
S-152	1-9/16"	1"	1-1/2"
S-153	2"	1-1/2"	2-1/8"
S-154	2"	1-9/16"	2-1/8"
S-155	2-1/2"	1-1/2"	2-1/8"
S-156	2-1/2"	1-9/16"	2-1/8"
S-157	2-1/2"	2"	2-7/8"
S-158	3"	2"	2-7/8"
S-159	3"	2-1/2"	2-7/8"

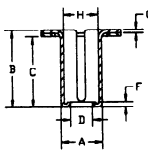
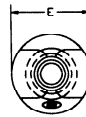
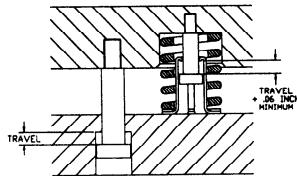


Spring Retainers

- all steel construction, zinc-plated finish
- compatible with 3/4" and 1", 20 and 25 mm diameter spring rods
- use with any length that allows clearance

READY® Spring Retainers locate and provide a light pre-load to each spring. This allows for easy assembly and disassembly of strippers in a die even while in the press. Broken springs can easily be replaced without long downtime.

Shoulder bolts or spools must be used in conjunction with the READY Spring Retainer.



CATALOG NUMBER inch	A	B	C	D	E	F	G	H
9-0615-16	0.79	1.90	1.77	0.39	1.46	0.16	0.05	0.82
9-0815-16	0.99	1.90	1.73	0.53	1.93	0.12	0.08	0.83
9-0825-16	0.99	2.88	2.76	0.53	1.93	0.12	0.08	0.83

CATALOG NUMBER metric	A	B	C	D	E	F	G	H
9-0615-16	20	48	45	10	37	4	1.3	13.1
9-0815-16	25	48	44	13.5	49	3	2	21.1
9-0825-16	25	73	70	13.5	49	3	2	21.1