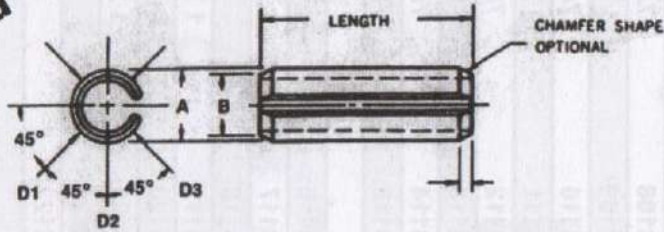


EXPANPIN SPRINGPINS

Carbon SpringSteel- Zinc Plated



*APPROX.
 LENGTH TOLERANCES
 0.187 To 1.000 ±0.15
 1.001 To 2.000 ±0.20
 2.001 To 3.000 ±0.25
 3.001 To 4.000 ±0.30

Pin Dia. Nominal	A		B		C	Recommended Hole Size		Min. Double Shear Strength In Pounds
	Max Dia+ Go Ring Gage	D1+D2+D3 3	Max.	Nom.		Wall Thickness	Min.	
.062	.069	.066	.059	.011	.012	.062	.065	425
.078	.086	.083	.075	.014	.018	.078	.081	650
.094	.103	.099	.091	.018	.022	.094	.097	1,000
.125	.135	.131	.122	.024	.028	.125	.129	2,100
.156	.167	.162	.151	.028	.032	.156	.160	3,000
.187	.199	.194	.182	.036	.040	.187	.192	4,400
.219	.232	.226	.214	.042	.048	.219	.224	5,700
.250	.264	.258	.245	.042	.050	.250	.256	7,700
.312	.328	.321	.306	.060	.062	.312	.318	11,500
.375	.392	.385	.368	.060	.077	.375	.382	17,600
.437	.456	.448	.430	.060	.077	.437	.445	20,000
.500	.521	.513	.485	.060	.094	.500	.510	25,800



DOUBLE UP FOR HEAVY DUTY APPLICATIONS
 Use one standard Expanpin inside another for additional strength. Install the smaller pin inside the longer pin, then insert into the application.

PIN	DIAMETERS					
INSIDE	3/32	1/8	5/32	3/16	7/32	5/16
OUTSIDE	5/32	7/32	1/4	5/16	3/8	1/2

Manufactured of 1070 carbon steel. "RC" hardness of 46-53. All springpins conform to the requirements

ROOL PIN (PERNO DE EXPANSION HUECO)

CATALOGO	DESCRIPCION	CATALOGO	DESCRIPCION	CATALOGO	DESCRIPCION	CATALOGO	DESCRIPCION
18-003	1/16 X 5/16	18-072	5/32 X 9/16	18-131	1/4 X 5/8	18-173	3/8 X 3/4
18-004	1/16 X 3/8	18-073	5/32 X 5/8	18-132	1/4 X 11/16	18-174	3/8 X 1
18-005	1/16 X 7/16	18-074	5/32 X 11/16	18-133	1/4 X 3/4	18-175	3/8 X 1 1/4
18-006	1/16 X 1/2	18-080	5/32 X 1 1/8	18-137	1/4 X 11/16	18-176	3/8 X 1 1/2
18-010	1/16 X 3/4	18-081	5/32 X 1 1/4	18-138	1/40 X 1 1/8	18-179	3/8 XX 2
18-011	1/16 X 13/16	18-082	5/32 X 1 3/8	18-139	1/4 X 1 1/4	18-181	3/8 X 2 1/2
18-012	1/16 X 7/8	18-086	5/32 X 1 7/8	18-143	1/4 X 1 3/4	18-183	3/8 X 3
		18-087	5/32 X 2	18-144	1/4 X 1 7/8	18-184	3/8 X 3 1/4
		18-088	5/32 X 2 1/4	18-145	1/4 X 2	18-185	3/8X 3 1/2
				18-147	1/4 X 2 1/2		
				18-149	1/4 X 3		
18-016	5/64 X 1/4	18-092	3/16 X 9/16	18-150	1/4 X 3 1/4	18-189	7/16 X 1 1/4
18-017	5/64 X 5/16	18-093	3/16 X 5/8	18-151	1/4 X 3 1/2	18-190	7/16 X 1 1/2
18-018	5/64 X 3/8	18-094	3/16 X 11/16			18-191	7/16 X 1 3/4
18-022	5/64 X 5/8	18-098	3/16 X 15/16			18-197	7/16 X 3 1/4
18-023	5/64 X 11/16	18-099	3/16 X 1			18-198	7/16 X 3 1/2
18-024	5/64 X 3/4	18-100	3/16 X 1 1/8	18-155	5/16 X 15/16	18-199	7/16 X 3 3/4
18-028	5/64 X 1	18-104	3/16 X 1 5/8	18-156	5/16 X 1		
18-029	5/64 X 1 1/8	18-105	3/16 X 1 3/4	18-157	5/16 X 1 1/8		
18-030	5/64 X 1 1/4	18-106	3/16 X 1 7/8	18-161	5/16 X 1 5/8		
				18-162	5/16 X 1 3/4	18-203	1/2 X 1 3/4
18-050	1/8 X 1/4	18-110	7/32 X 9/16	18-163	5/16 X 1 7/8	18-204	1/2 X 2
18-054	1/8 X 9/16	18-111	7/32 X 5/8	18-167	5/16 X 2 3/4	18-205	1/2 X 2 1/4
18-055	1/8 X 5/8	18-112	7/32 X 11/16	18-168	5/16 X 3	18-208	1/2 X 3
18-056	1/8 X 11/16	18-116	7/32 X 15/16	18-169	5/16 X 3 1/4	18-209	1/2 X 3 1/4
18-060	1/8 X 15/16	18-117	7/32 X 1			18-210	1/2 X 3 1/2
18-061	1/8 X 1	18-118	7/32 X 1 1/8			18-211	1/2 X 3 3/4
18-062	1/8 X 1 1/8	18-122	7/32 X 1 5/8			18-212	1/2 X 4
18-066	1/8 X 1 5/8	18-123	7/32 X 1 3/4				
18-067	1/8 X 1 3/4	18-124	7/32 X 1 7/8				
18-068	1/8 X 1 7/8						

**PROMOTORA MEXICANA,
S.A. DE C.V.**