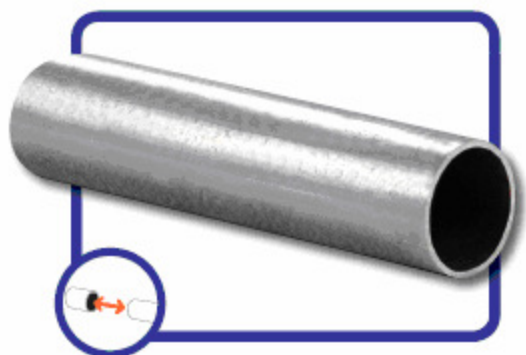


## DANA EMT Conduits and Accessories

Steel Thinwall EMT conduit is easy to cut and easy to bend - reducing waste and installation time. Metal conduit is non-combustible and easily adaptable to future wiring changes. Metal conduit is a proven equipment grounding conductor and can reduce electromagnetic fields by up to 95%.



**PRODUCT:** Pipe

**MATERIAL:** Steel

**EXTERIOR SURFACE:** Galvanised.

Weld protection by metallised Zinc

**INTERIOR SURFACE:** Galvanised.

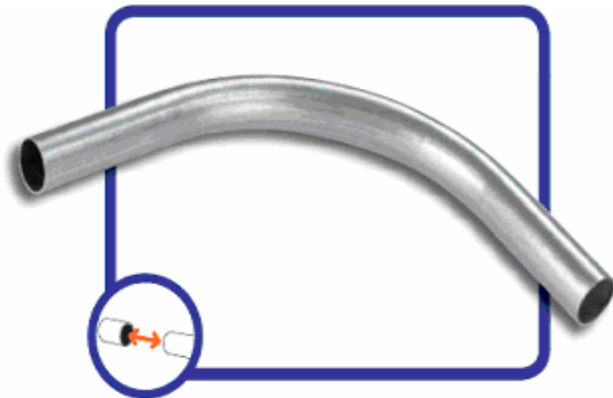
Additional protection by antioxidant paint

**THREAD:** Unthreaded

**CONFORMANCE:** ASTM C80.3

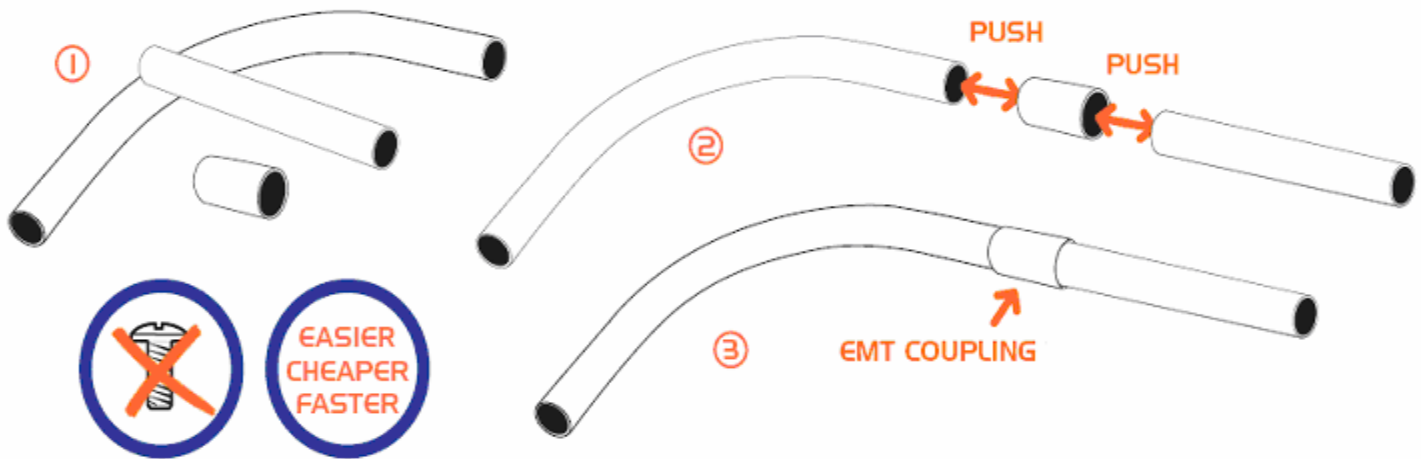
**LENGTH:** 3,05 metre rods

Size (Inch)	Ø Outside (mm)	Min. Wall Thickness (mm)	Ø Inside (mm)	Weight (kg/pc)	Bundle (pcs)	Bundle (kg)
1/2	17,9	1,05	15,8	1,33	10	13,3
3/4	23,4	1,25	20,9	2,08	10	20,8
1	29,5	1,55	26,4	3,26	5	16,3
1 1/4	38,4	1,55	35,3	4,30	5	21,5
1 1/2	44,2	1,55	41,1	4,97	5	24,85
2	55,8	1,55	52,7	6,32	3	18,96



**PRODUCT:** Bend 90°  
**MATERIAL:** Steel  
**EXTERIOR SURFACE:** Galvanised.  
 Weld protection by metallised Zinc  
**INTERIOR SURFACE:** Galvanised.  
 Additional protection by antioxidant paint  
**THREAD:** Unthreaded  
**CONFORMANCE:** ASTM C80.3  
**APPLICATION:** Used for change of direction

Size (inch)	Ø Outside (mm)	Min. Wall Thickness (mm)	Ø Inside (mm)	Length (mm)	Weight (kg/pc)
1/2	17,9	1,05	15,8	295	0,129
3/4	23,4	1,25	20,9	295	0,201
1	29,5	1,55	26,4	390	0,353
1 1/4	38,4	1,55	35,3	455	0,549
1 1/2	44,2	1,55	41,1	550	0,745
2	55,8	1,55	52,7	700	1,141





## EMT Zinc Set-Screw Connectors

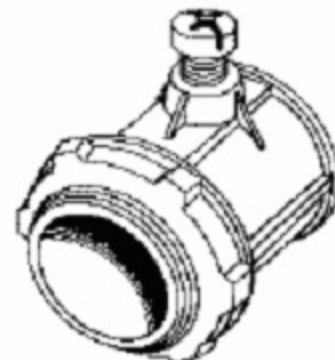
### Use:

To secure and terminate steel EMT to knockouts in concretetight box or dry location applications.

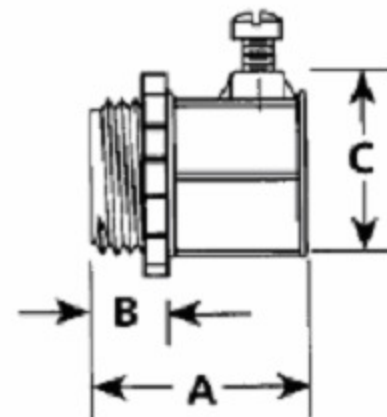
### Features:

- Concretetight
- Pre-set/pre-staked set screws
- Combination head set screws
- Male hub threads NPS
- Available with insulated throat

**Material/Finish:** Zinc Die Cast



Trade Size (inches)	Dimensions in Inches		
	A	B	C
½	1.12	0.37	1.04
¾	1.37	0.37	1.27
1	1.49	0.49	1.54
1¼	1.97	0.59	1.97
1½	2.26	0.74	2.24
2	2.50	0.74	2.67
2½	3.10	1.07	3.27
3	3.31	1.60	3.91
3½	3.56	1.03	4.51
4	3.76	1.11	4.97





## EMT Zinc Compression Connector

### Use:

To secure and terminate steel EMT to knockouts in concrete tight box, dry or damp location applications

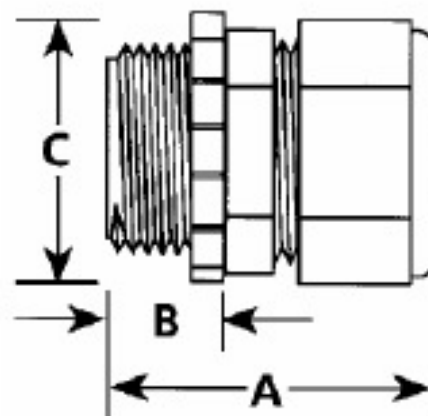
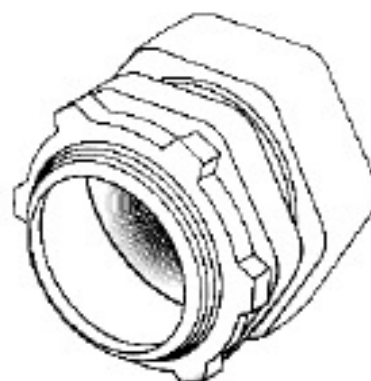
### Features:

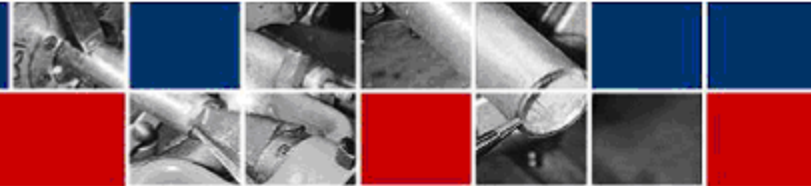
- Male hub threads NPS
- Concrete tight
- Available with insulated throat



**Material/Finish:** Zinc Die Cast

Trade Size (inches)	Dimensions in Inches		
	A	B	C
½	1.27	0.42	1.95
¾	1.25	0.42	1.23
1	1.59	0.54	1.49
1¼	1.63	0.58	1.93
1½	2.30	0.74	2.25
2	2.43	0.74	2.75
2½	2.86	0.99	3.29
3	2.90	1.01	3.89
3½	2.95	1.10	4.39
4	2.73	1.00	4.95

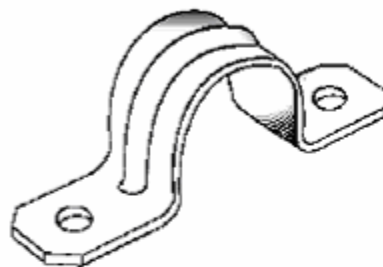




## EMT 2-Hole Strap

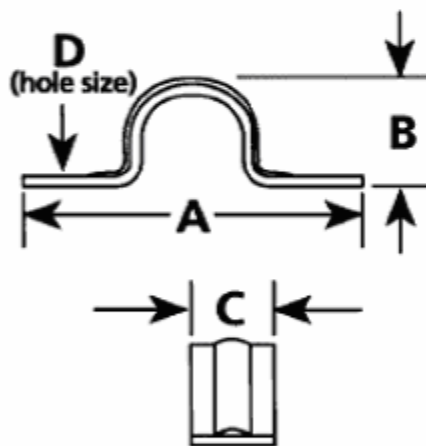
### Use:

Snap-on type two-hole straps for EMT are used where higher load bearing supports are desired.



**Material/Finish:** Steel/Zinc Plated

Trade Size (inches)	Dimensions in Inches			
	A	B	C	D
1/2	2.17	0.72	0.56	3/16
3/4	2.71	0.91	0.61	3/16
1	3.10	1.12	0.68	3/16
1 1/4	3.70	1.44	0.74	1/4
1 1/2	4.24	1.67	0.87	1/4
2	4.83	2.13	1.00	3/8
2 1/2	5.98	2.87	0.98	3/8
3	6.37	3.56	0.99	3/8
3 1/2	7.37	4.05	1.00	7/16
4	8.12	4.51	1.00	7/16





## EMT Junction boxes 100mm x 100mm

### Description:

4" Pre-galvanized steel square box, 2-1/8" deep, 30.3 cu.in. Welded construction with 1/2" & 3/4" eccentric knockouts and ground bump. For use with conduit.



**Status:** Active

### General

Material : Steel  
Finish : Galvanized  
Volume (cu.in.) : 30.3  
Construction Type : Welded  
Ground Bump : Yes

Knockouts-Each Side (Conduit) (2) - 1/2", (1) - 1/2" & 3/4" E  
Knockouts-Each End (Conduit) (2) - 1/2", (1) - 1/2" & 3/4" E  
Knockouts-Bottom (Conduit) (3) - 1/2", (2) - 1/2" & 3/4" E

### Dimension Information

Size (inches) 4  
Depth (inches) 2 1/8



## RSC Bushing

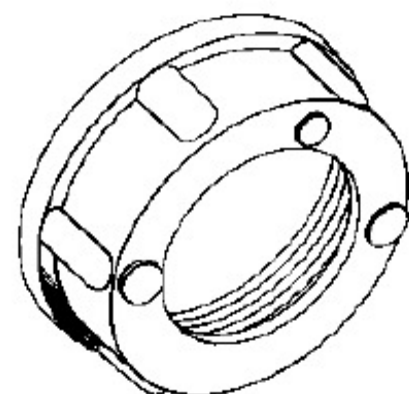
### Features:

- Threaded (NPS) for rigid conduit and IMC
- Surface friction is low—wires can be pulled with virtually no abrasion on the cable insulation.
- Set-Screw provided with each fitting locks bushing in any desired position.

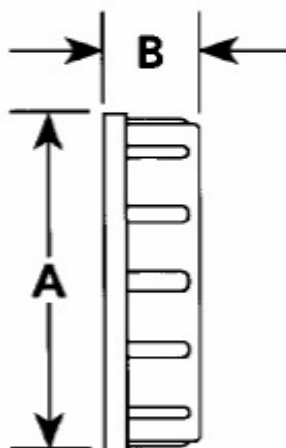


### Material/Finish:

Body—Zinc Die Cast



Trade Size (inches)	Dimensions in Inches	
	A	B
1/2	1.03	0.37
3/4	1.28	0.39
1	1.65	0.50
1 1/4	2.10	0.49
1 1/2	2.28	0.49
2	2.66	0.54
2 1/2	3.31	0.63
3	3.95	0.70
3 1/2	4.41	0.71
4	4.94	0.73
5	6.38	1.00
6	7.50	0.99





### > EMT CONNECTOR

**PRODUCT:** Connector  
**MATERIAL:** Steel  
**EXT. SURFACE:** Electrozinc coated  
**INT. SURFACE:** Electrozinc coated  
**THREAD:** Mixed (One end unthreaded, the reverse end threaded)

**CONFORMANCE:** ASTM C80.3  
**APPLICATION:** Connection of unthreaded pipes to distribution box or threaded pipe

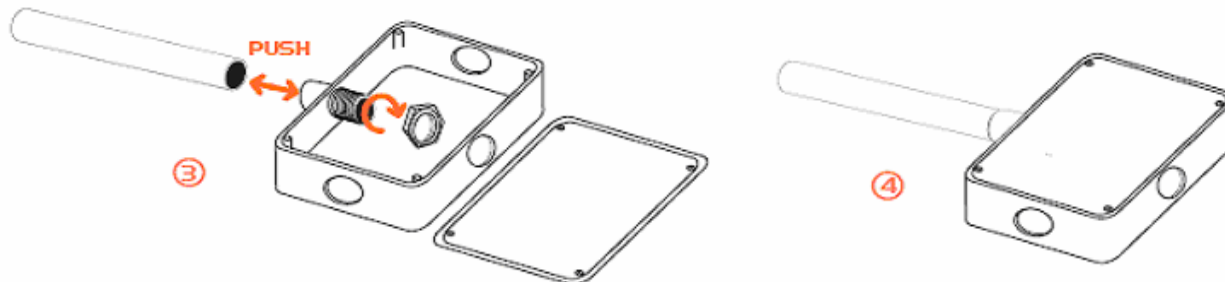
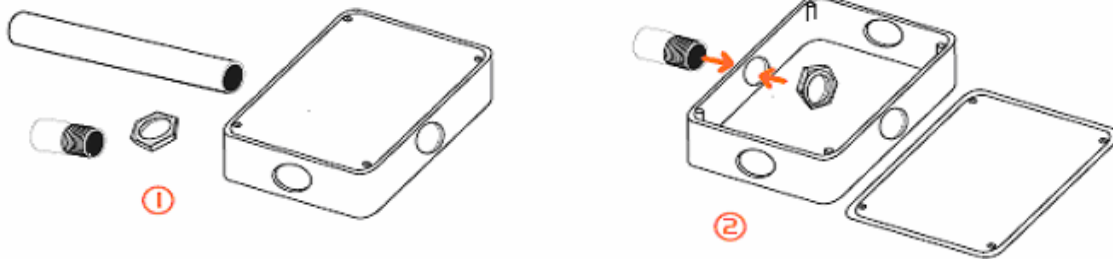


### > EMT LOCKNUT

**PRODUCT:** Locknut  
**MATERIAL:** Steel  
**EXT. SURFACE:** Electrozinc coated  
**INT. SURFACE:** Electrozinc coated

**THREAD:** Threaded  
**APPLICATION:** To fix EMT CONNECTOR TA to distribution boxes

Size (Inch)	Ø Outside (mm)	Min. Wall Thickness (mm)	Ø Inside (mm)	Length (mm)	Weight (kg/pc)
1/2	21,80	1,55	18,40	46	0,036
3/4	27,20	1,55	24,10	54	0,053
1	33,50	1,55	30,40	62,5	0,076

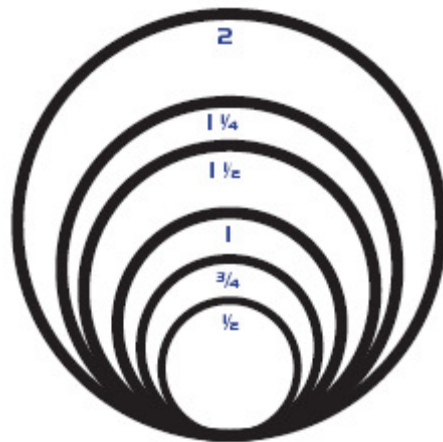




## Applications and technical calculations

AREA OF SINGLE WIRE CABLE (mm <sup>2</sup> )	RECOMMENDED SIZE OF EMT STEEL PIPE				
	NUMBER OF CABLES				
	1	2	3	4	5
1,5	1/2"	1/2"	1/2"	1/2"	1/2"
2,5	1/2"	1/2"	1/2"	1/2"	3/4"
4	1/2"	1/2"	3/4"	3/4"	3/4"
6	1/2"	3/4"	3/4"	1"	1"
10	1/2"	3/4"	1"	1"	1 1/4"
16	1/2"	3/4"	1"	1 1/4"	1 1/4"
25	3/4"	1"	1 1/4"	1 1/4"	1 1/2"
35	3/4"	1"	1 1/4"	1 1/4"	1 1/2"
50	1"	1 1/4"	1 1/2"	2"	2"
70	1 1/4"	1 1/4"	1 1/2"	2"	2"
95	1 1/4"	2"	2"	-	-
120	1 1/4"	2"	-	-	-
150	2"	-	-	-	-
185	2"	-	-	-	-
240	2"	-	-	-	-

For more than 5 cables or multiple wire cables, the interior area of the pipe has to be at least 2,5 times of the occupied area of the cables



REAL SCALE / SCALE 1:1

EMT	Interior area (mm <sup>2</sup> )
1/2"	190
3/4"	340
1"	540
1 1/4"	960
1 1/2"	1300
2"	2150



## Applications and technical calculations

WHERE TO INSTALL EMT STEEL PIPES	ADVANTAGES EMT STEEL PIPES vs. PLASTIC PIPES	ADVANTAGES EMT STEEL PIPES vs. OTHER KINDS OF STEEL CONDUITS (IMC, RSC)
REGULAR INSTALLATIONS	<ul style="list-style-type: none"> <li>On-wall installations, height &lt; 4 metres</li> <li>Interior of industrial premises or stocks, height &lt; 4 metres</li> <li>Interior illumination of buildings and offices</li> </ul>	<p>Less expensive</p> <p>Satisfactory protection level</p> <p>Easier installation</p>
REGULAR INSTALLATIONS	<ul style="list-style-type: none"> <li>Installations accesibles by hand</li> </ul>	
REGULAR INSTALLATIONS	<ul style="list-style-type: none"> <li>Open-air installations ( exterior)</li> </ul>	
PREMISES OPEN TO THE PUBLIC	<ul style="list-style-type: none"> <li>Shopping centres</li> <li>Hospitals and medical practices</li> <li>Cinemas, theatres, museums and auditoriums</li> <li>Nurseries, schools and universities</li> <li>Football stadiums and sports halls</li> <li>Public buildings</li> <li>Conference, congress and trade fair premises</li> <li>Hotels and restaurants</li> <li>Trains, buses and metros</li> <li>Religious sites</li> <li>Airports</li> <li>Premises with occupancy of more than 50 persons</li> <li>Military centres</li> <li>Offices with customer traffic</li> <li>Fun fairs</li> </ul>	<p>Less expensive</p> <p>Satisfactory protection level</p> <p>Easier installation</p>
INSTALLATIONS WITH SPECIAL CHARACTERISTICS	<ul style="list-style-type: none"> <li>Smoke and fire detection systems</li> <li>Security systems and alarms</li> <li>Gas detection systems</li> <li>Smoke extraction systems</li> <li>Supply for fire protection systems and fire engines</li> <li>Emergency systems and lightening</li> <li>Multi-storey car parks</li> </ul>	<p>Less expensive</p> <p>Satisfactory protection level</p> <p>Easier installation</p>