



TRAFFIC SIGNAL HARDWARE INC.

Product Catalog **2017**



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SUGGESTIONS WHEN ORDERING

1. Pole Adapter, Terminal Compartment or Pole Plate material must be indicated aluminum, bronze, ferrous iron, or galvanized iron.
2. Signal face size and manufacturer should also be indicated.

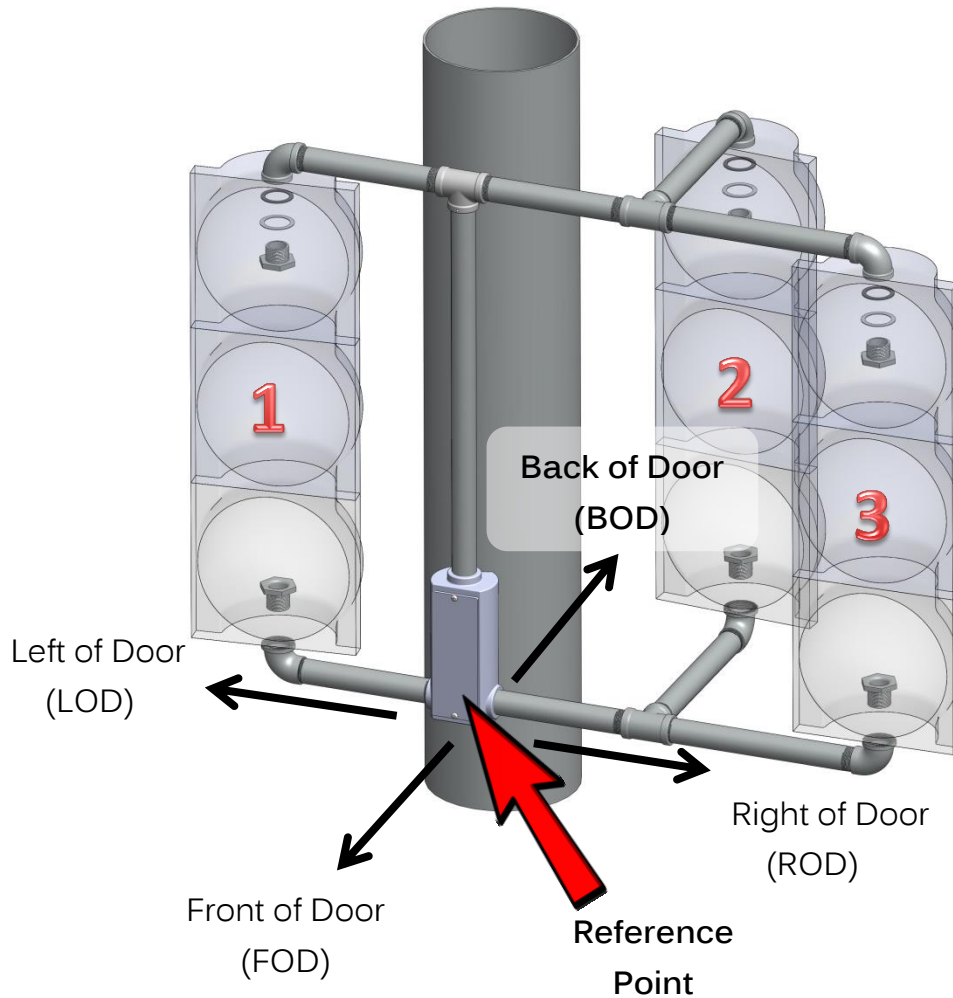
Example:

TV-2-T Alum. Eagle Heads
3-8" LOD
3-12" ROD

Framework Description

Reference point for all framework designations is the door of the terminal compartment.

Terminal Compartment is abbreviated TC.



EXAMPLE: DESIGNATION FOR UNSYMMETRICAL FRAMEWORK SV-3TB SHOWN

Head No. 1 Offset LOD

Head No. 2 Offset ROD, BOD

Head No. 3 Offset far ROD

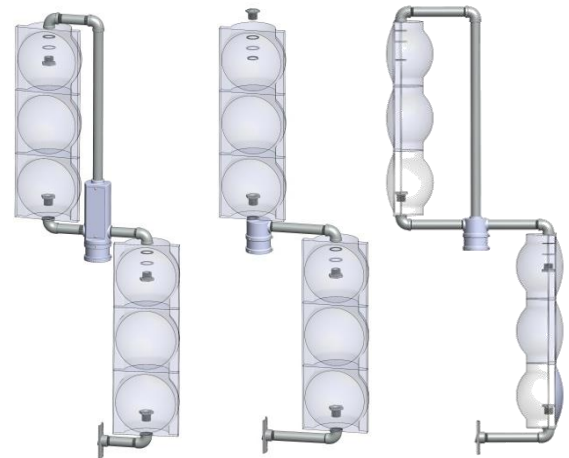
SIGNAL FRAMEWORK

Framework Assemblies

Catalog Number Description

LT-2-T	Left Turn Vehicular Mount w/ TC
LT-2A	Left Turn Vehicular Mount Offset
LT-2B	Left Turn Vehicular Mount/Center
MAT	Mast Arm Mounted Vehicular Signal Top Attached
MAS	Mast Arm Mounted Vehicular Signal Side Attached
MA Clevis	Mast Arm Mounted Clevis Type Hanger
MAT-5	Mast Arm Mounted Vehicular Signal Top Attached—Multi-faced
MAS-5	Mast Arm Mounted Vehicular Signal Side Attached--Multi-faced
SV-1	Side Mounted Vehicular Signal, 1 Face, Bolt-on, Band-on, or Hub
SV	Side Mounted Vehicular Signal
USV-1-T	Side Mounted Vehicular Signal w/Unistrut
SV-1-T	Side Mounted Vehicular Signal, 1 Face w/ TC
SV-2A	Side Mounted Vehicular Signal, 2 Face Inline, Bolt-on, Band-on, or Hub

LEFT TURN MOUNTINGS

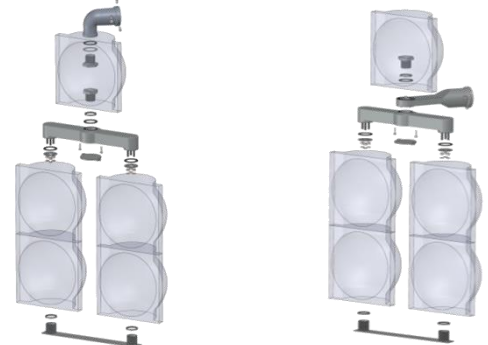


LT-2-T

LT-2A

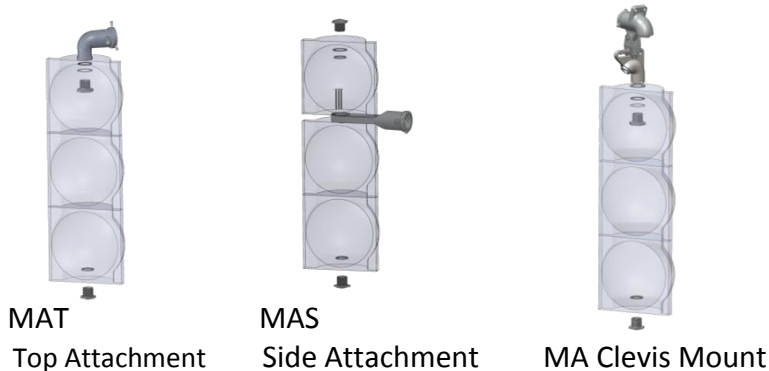
LT-2B

MAST ARM MOUNTINGS



MAT-5 SEC Cluster
Top Attachment

MAS-5 SEC Cluster
Side Attachment



MAT
Top Attachment

MAS
Side Attachment

MA Clevis Mount

SIDE MOUNTINGS



SV

SV-1

USV-1-T

SV-1-T

SV-2A

Framework Assemblies - Side Mountings



USV-2-T

Catalog Number

Description

USV-2-T	Side Mounted Vehicular Signal, 2 Face w/ Unistrut Mount
SV-2-TA	Side Mounted Vehicular Signal, 2 Face Inline
SV-3-TA	Side Mounted Vehicular Signal, 3 Face Inline
SV-4-TA	Side Mounted Vehicular Signal, 4 Face Inline



SV-2-TA



SV-2-TB



SV-2-TC



SV-2-TD



SV-3-TA



SV-3-TB



SV-3-TC



SV-4-TA



SV-4-TB



SV-4-TC

Framework Assemblies- Top Mountings

Catalog Number

Description

TV-1	Top Mounted Vehicular Signal—1 Face
UTV-1-T	Top Mounted Vehicular Signal—Unistrut Mount
TV-1-T	Top Mounted Vehicular Signal—1 Face w/TC
TV-2	Top Mounted Vehicular Signal—2 Face
UTV-2-T	Top Mounted Vehicular Signal—Unistrut Mount
TV-2-T	Top Mounted Vehicular Signal—2 Face w/TC
TV-3-T	Top Mounted Vehicular Signal—3 Face w/TC.
TV-4-T	Top Mounted Vehicular Signal—4 Face w/TC
TP-1	Top Mounted Pedestrian Signal—1 Face
TP-2	Top Mounted Pedestrian Signal—2 Face
TP-1-T	Top Mounted Pedestrian Signal—1 Face w/TC
TP-2-T	Top Mounted Pedestrian Signal—2 Face w/TC

TOP MOUNTINGS



TV-1



UTV-1-T



TV-1-T



TV-2



UTV-2-T



TV-2-T



TV-3-T



TV-4-T



TP-1



TP-1-T



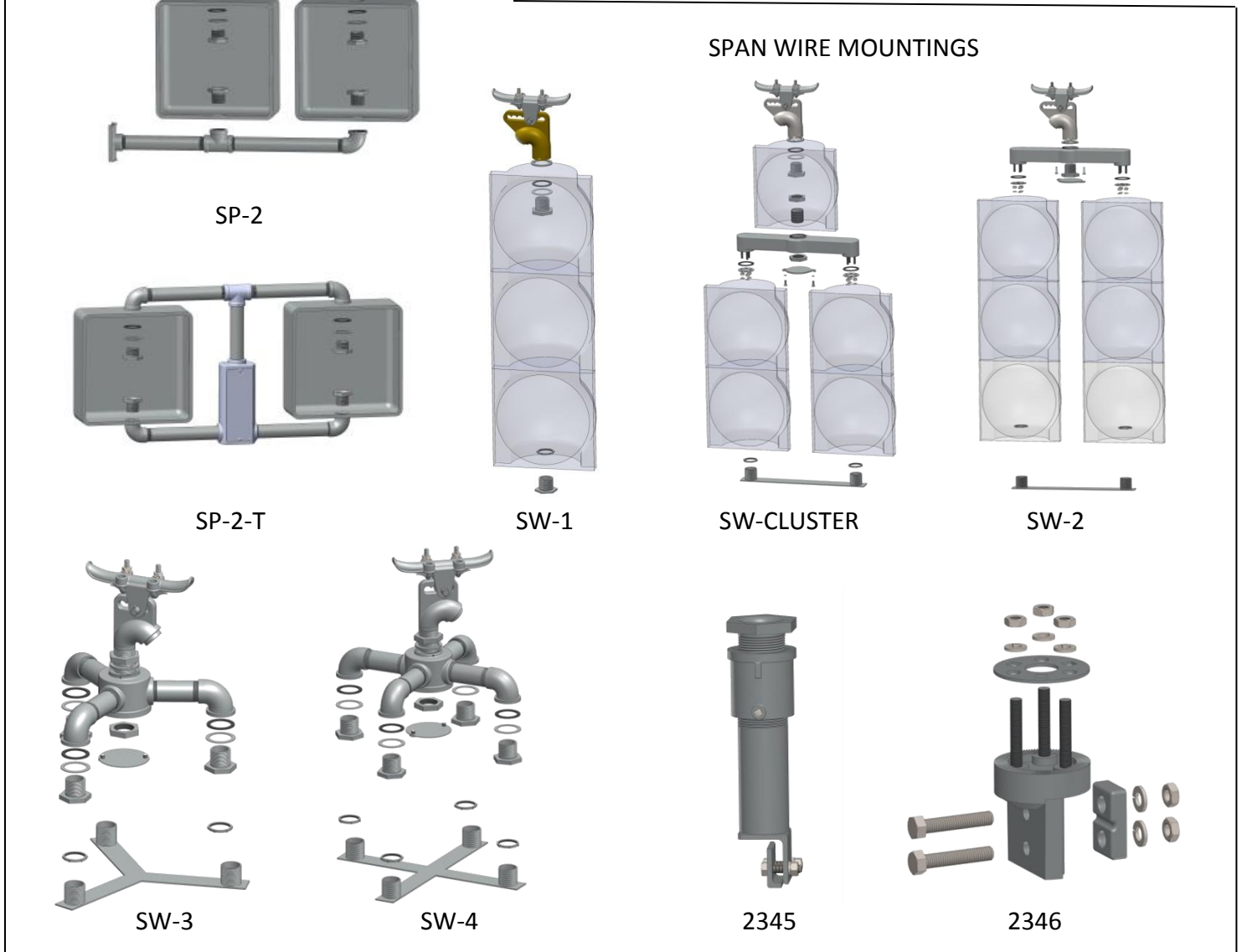
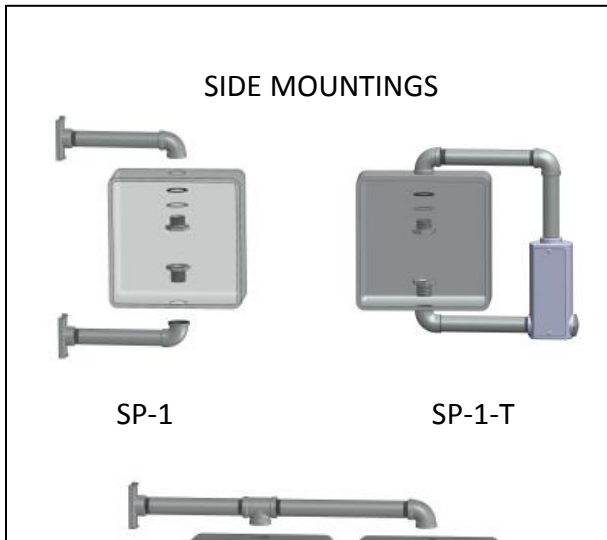
TP-2



TP-2-T

SIGNAL FRAMEWORK

Framework Assemblies

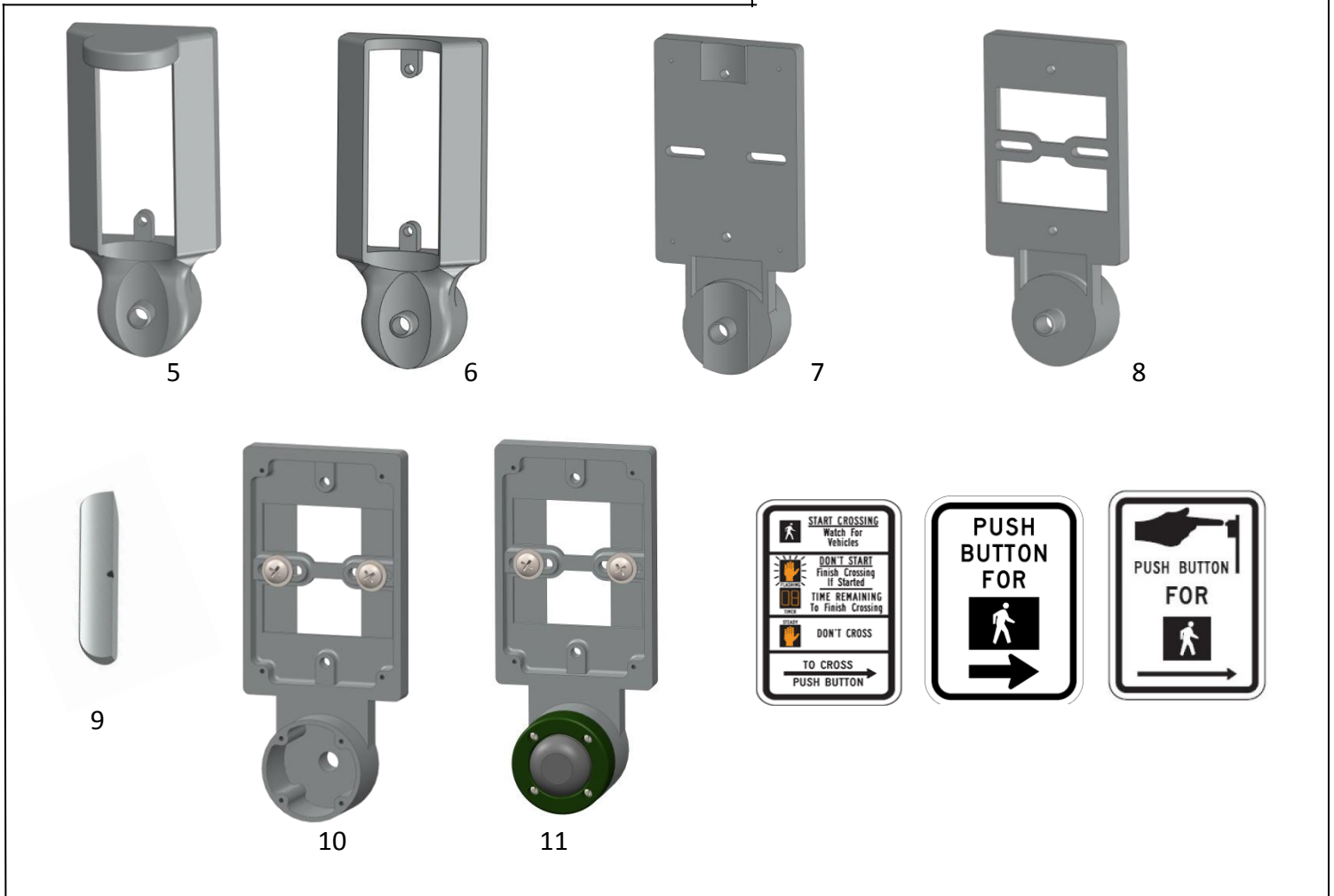
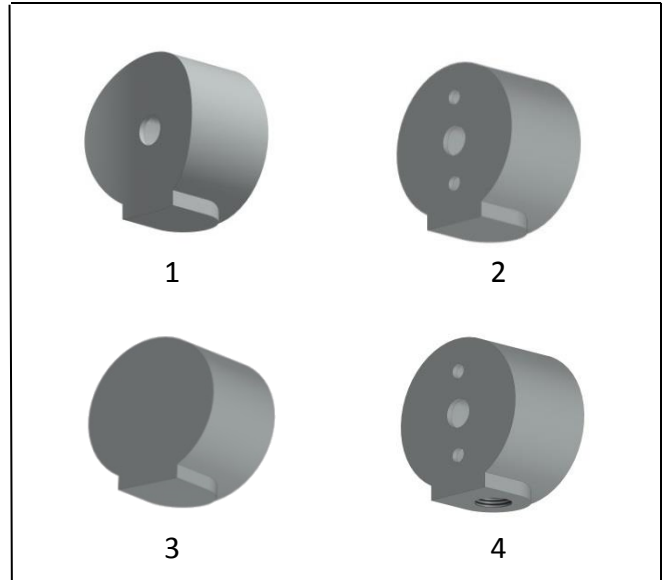


Catalog Number	Description
SP-1	Side Mounted Pedestrian Signal—1 Face
SP-1-T	Side Mounted Pedestrian Signal—1 Face w/ TC
SP-2	Side Mounted Pedestrian Signal—2 Face
SP-2-T	Side Mounted Pedestrian Signal—1 Face
SW-1	Span Wire Mount—1 Face
SW-Cluster	Span Wire Cluster Mount
SW-2	Span Wire Mount—2 Face
SW-3	Span Wire Mount—3 Face (Not shown)
SW-4	Span Wire Mount—4 Face (Not shown)
TSH 2345	Tether Assembly for Back plates
TSH 2346	Tether Assembly for No Back plates

PEDESTRIAN

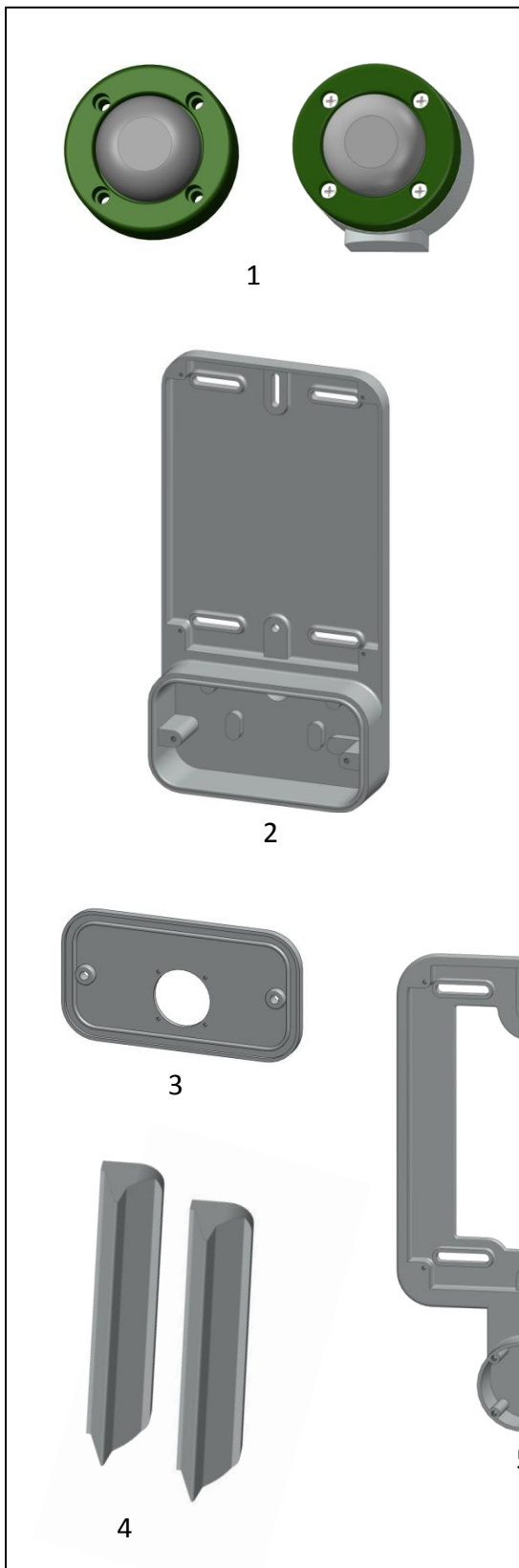
Pushbutton Hardware

Ref. No.	Description	Catalog Number
1	3" Dia. Housing w/8" Curved Back	TSH8128
2	3" Dia. Housing Flat Back w/Mounting Holes	TSH8129
3	3" Dia. Housing Flat Back – No Holes	TSH8130
4	3" Dia. Housing Flat Back with ½" conduit entrance in bottom	TSH8131
5	Pushbutton Housing – 2 ½" – Post Top	TSH8102T
6	Pushbutton Housing – 2 ½" – Curved Back	TSH8102S
7	5x7 Adjustable Pushbutton Frame- Solid Back	TSH8013
8	5x7 Adjustable Pushbutton Frame- Window Back	TSH8014
9	5x7 Adjustable Pushbutton Bar	TSH8015
10	5x7 Adjustable Pushbutton Assembly	TSH8016
11	5x7 Adjustable Pushbutton Assembly w/ Cap	TSH 8017
	5x7 Signs (Several Legends Available)	



PEDESTRIAN

Pushbutton Hardware

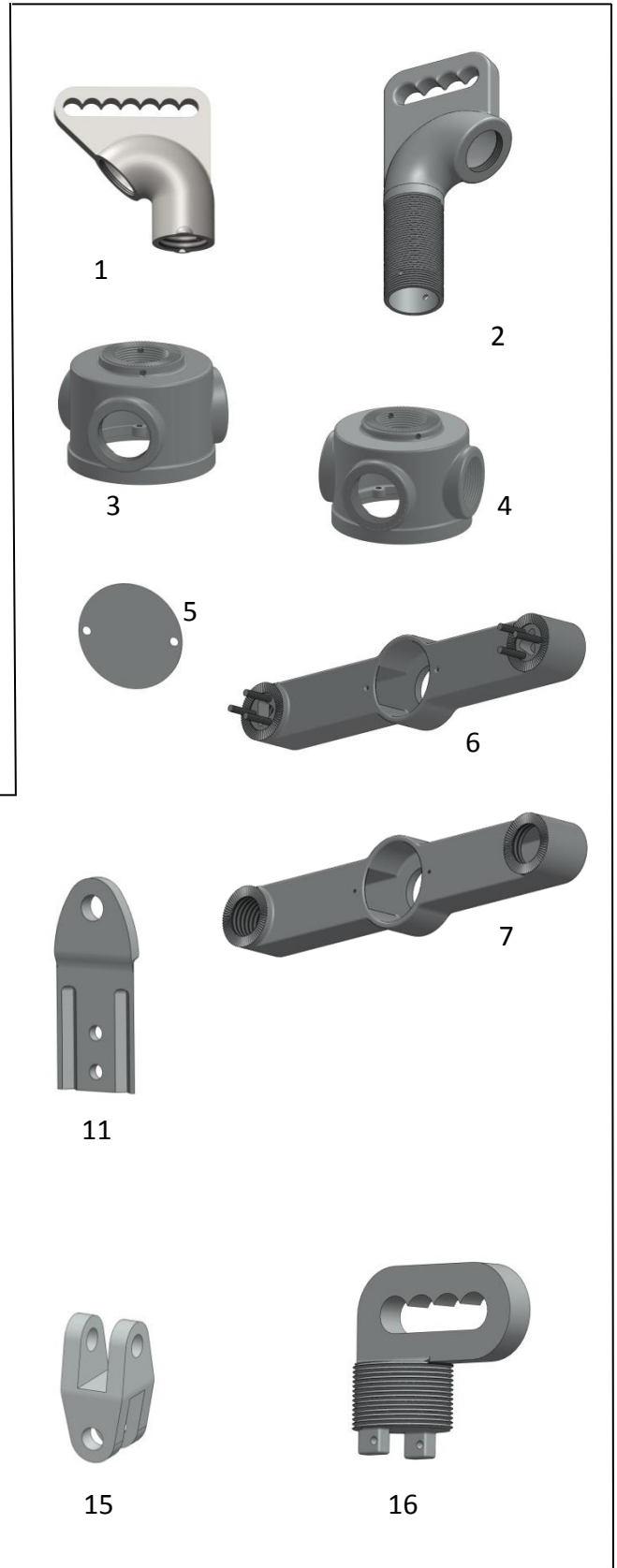


Ref. No.	Description	Catalog Number
1	ADA Pushbutton Cap Assembly With Housing	TSH8301
2	9x12 Pushbutton Frame	TSH8110
3	9x12 ADA Cover	TSH8112
4	9x12 Adapter Bars	TSH8113
5	9x12 Pushbutton Housing with Small Cap	TSH8114
	9x12 Adapter Bar for Small Cap	TSH8115
6	9x12 ADA Pushbutton Assembly	TSH8116
7	9x12 Pushbutton Assembly with Small Cap	TSH8117
8	9x12 Signs (Several Legends Available)	

SIGNAL FRAMEWORK

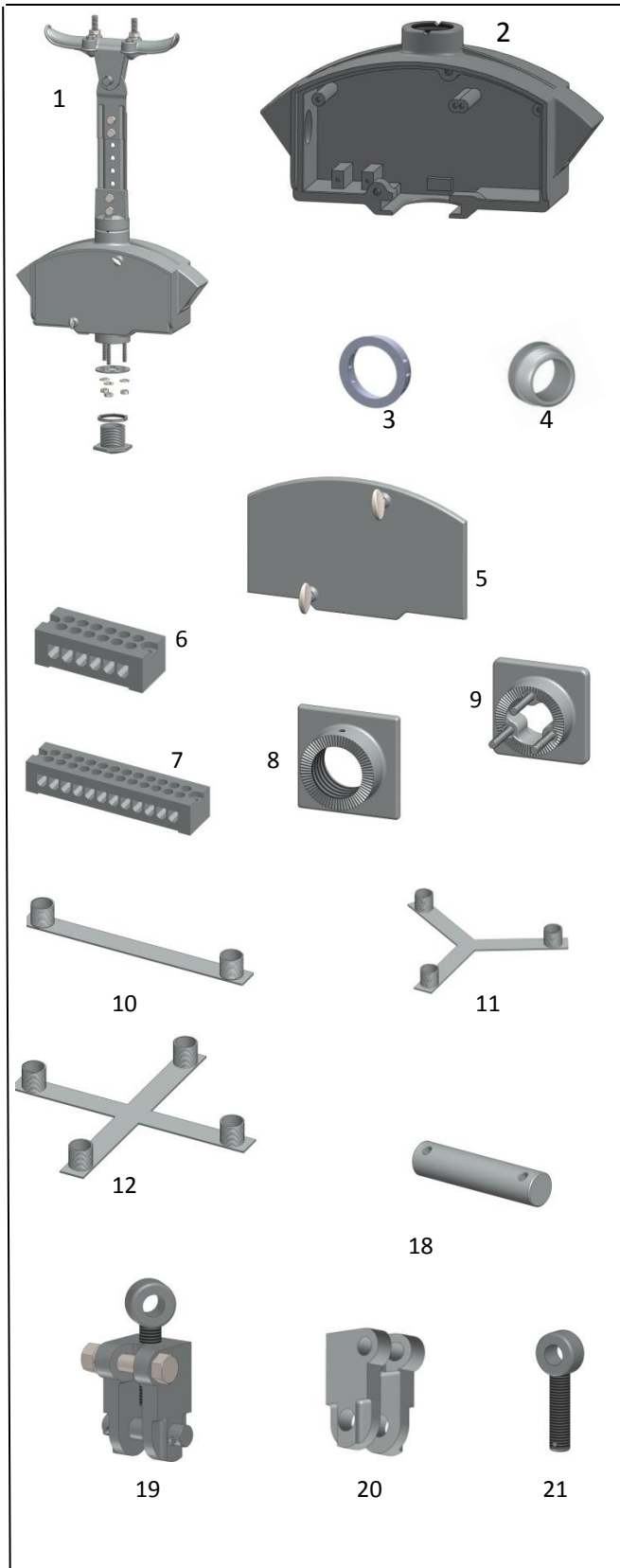
Span Wire Mountings

Ref. No.	Description	Catalog Number
1	Wire Entrance Hanger	TSH0158
2	Wire Entrance J-Hanger	TSH0190
3	Center Hub 3 Way	TSH0103
4	Center Hub 4 Way	TSH0104
5	Cover Plate For Center Hub	TSH0105
	Cork Gasket For Center Hub (Not Shown)	TSH0536
6	2 Way Cluster Bracket – Tri-stud (Does not include Bracket Cover Plate.) (Must Order Separately)	TSH0115T
7	2 Way Cluster Bracket Standard/No Tri-stud	TSH0115
8	Bracket Cover Plate	TSH0115C
9	Single Eye Balancer	TSH0138
10	Adjustable Hanger Bottom	TSHSP50
11	Adjustable Hanger Top	TSHSP51
12	Adjustable Hanger Block	TSHSP52
13	Adjustable Hanger Block, Slotted	TSHSP53
14	Extension Bar	TSHSP54
15	Clevis Hanger	TSH0123
16	Disconnect Hanger Clevis	TSH0139

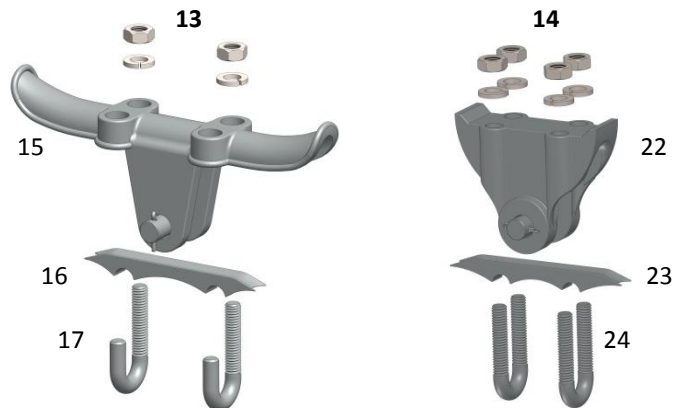


SIGNAL FRAMEWORK

Span Wire Mountings



Ref. No.	Description	Catalog Number
1	Disconnect Hanger Assembly-12 Position	TSH1280
	Disconnect Hanger Assembly-18 Position	TSH1281
2	Disconnect Terminal Compartment	TSH0025
3	Press Type Insulator Bushing	TSH0129P
4	Insulator Bushing	TSH0128
5	Door for Disconnect	TSH1125
	12 Position Wire Harness (Not Shown)	TSH3312
	18 Position Wire Harness (Not Shown)	TSH3318
6	6 Position Terminal Block	TSH0566
7	12 Position Terminal Block	TSH0567
8	Surlock Flange	TSH0125
9	Tri-Stud Flange	TSH0125T
10	Tie Brace 2 Way	TSH0130
11	Tie Brace 3 Way	TSH0131
12	Tie Brace 4 Way	TSH0132
13	Span Wire Assembly, 10"	TSHL149
14	Span Wire Assembly, 4 1/2"	TSHS149
15	Span Wire Clevis Hanger, 10"	TSHL121
16	Cable Lock Bar	TSHL124
17	J-Bolt w/Nut, Zinc Plated or Stainless Steel	TSH0126
18	Clevis Pin, Zinc Plated or Stainless Steel	TSH0127
19	Balance Adjuster Assembly	TSH2009
20	Balance Adjuster Body	TSH0133
21	Eye Bolt	TSH0135
22	Span Wire Clevis Hanger, 4 1/2"	TSHS121
23	Cable Lock Bar	TSHS124
24	U-Bolt, 3/8" w/Nut	TSHS126U
	U-Bolt, 1/2" w/Nut (Not Shown)	TSHL126U

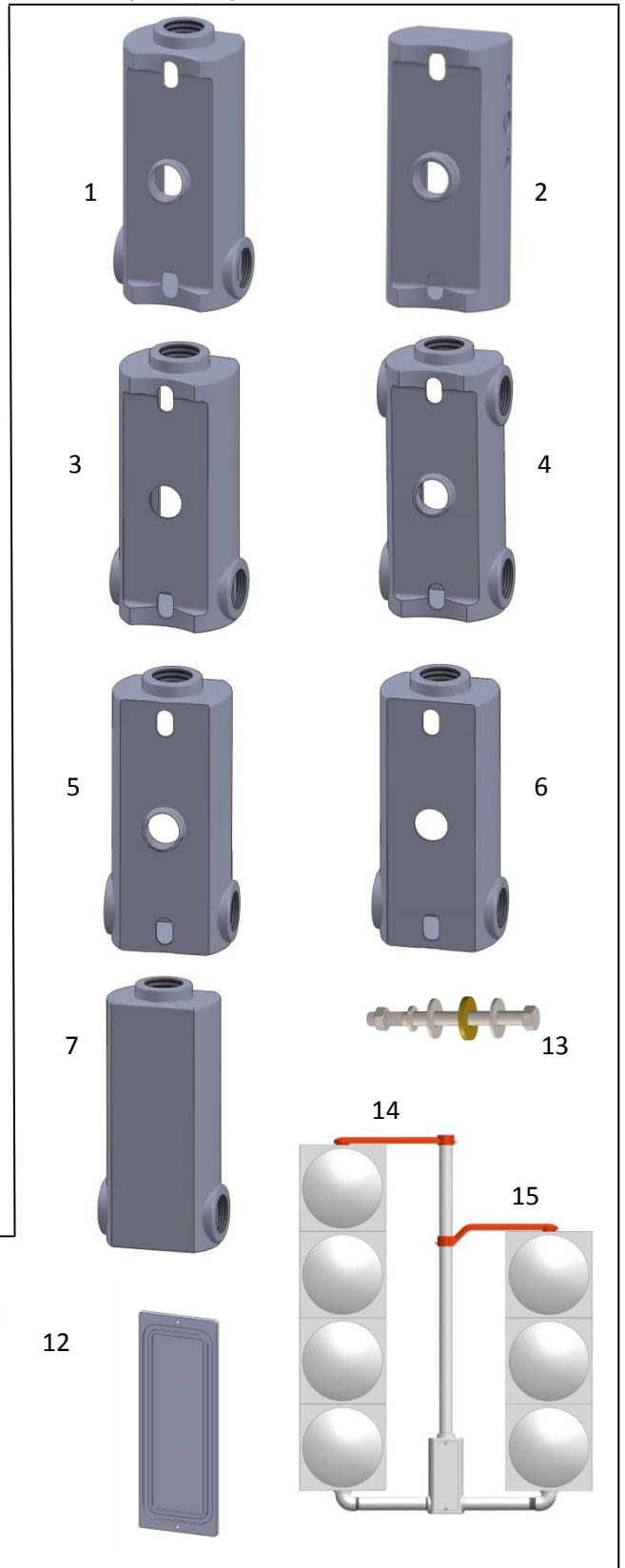


SIGNAL FRAMEWORK

Side Pole

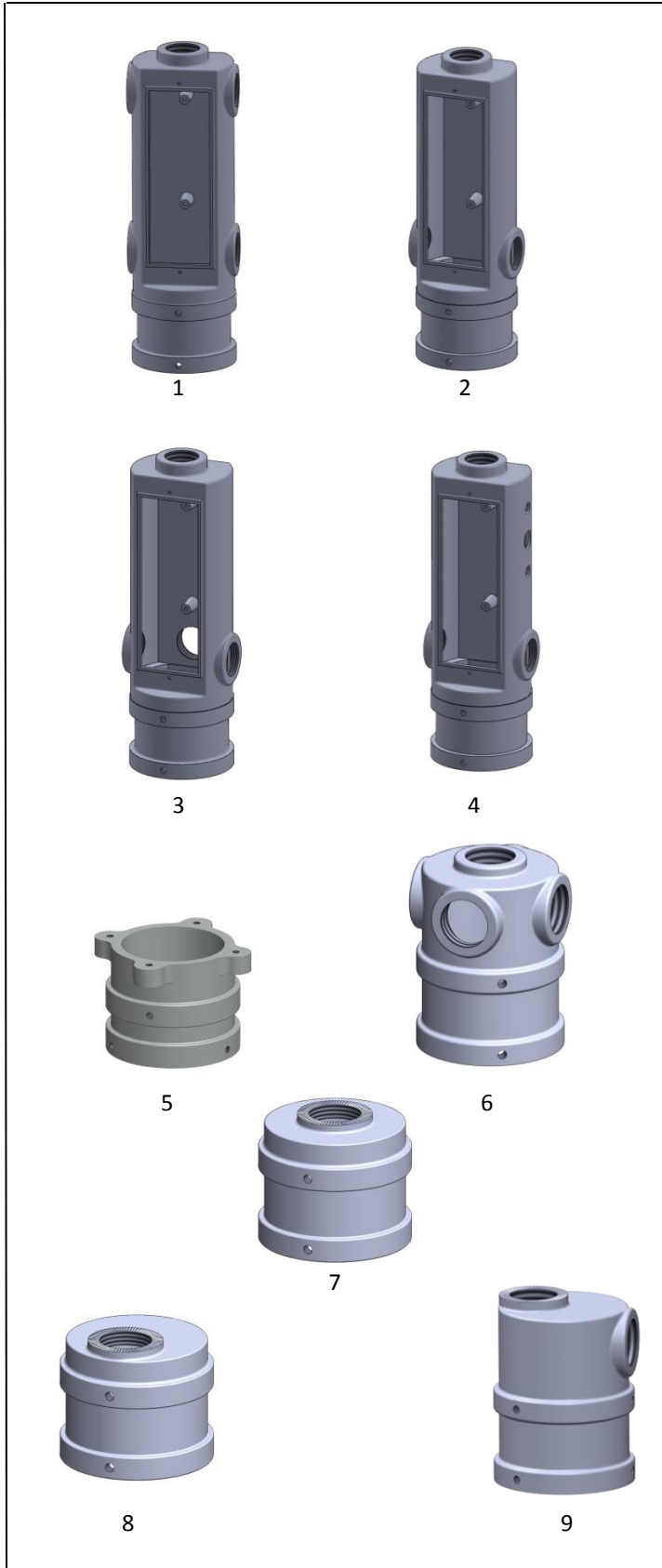
NOTE: Add letters - A, B, F, or G after Part Numbers to indicate Aluminum, Bronze, Ferrous Iron or Iron Galvanized. All Ports are 1 1/2" NPT unless otherwise noted.

Ref. No.	Description	Catalog Number
1	Side Mounted Terminal Compartment, Two Way, Saddle Back, with cable guide and mounting holes	TSH0001
2	Side Mounted Terminal Compartment, Unistrut, with Saddle Back and mounting holes.	TSH0003
3	Side Mounted Terminal Compartment, Two Way, with Saddle Back, cable entrance and mounting holes	TSH0004
4	Side Mount Terminal Compartment, 5 Port with Saddle Back with cable guide	TSH0006
5	Side Mounted Terminal Compartment, two way, Flat Back, with cable guide and mounting holes	TSH0007
6	Side Mounted Terminal Compartment, Two Way, Flat Back, with cable entrance and mounting holes	TSH0010
7	Side Mounted Terminal Compartment, Two Way, Flat Back, plain, without cable entrance and mounting holes.	TSH0013
8	Side Mounted Terminal Compartment, Two Way, Flat Back, With 1 1/2" hole in the back, San Francisco Specifications	TSH0015
9	Side Mounted Terminal Compartment, Two Way, with Saddle Back, and mounting holes.	TSH0016
10	Side Mounted Terminal Compartment, Two Way, with saddle back with cable guide and mounting holes, Los Angeles Specifications	TSH0022
11	Unistrut Mount Arm	TSH0091
12	Terminal Compartment Door	TSH1101
	Terminal Compartment Door Gasket	TSH 2028
13	Thru-Bolt Assembly	
14	Top Arm Bracket (14 1/2" Centers)	TSH0116
15	Top Arm Bracket (Offset-adjustable)	TSH0117



SIGNAL FRAMEWORK

Post Top

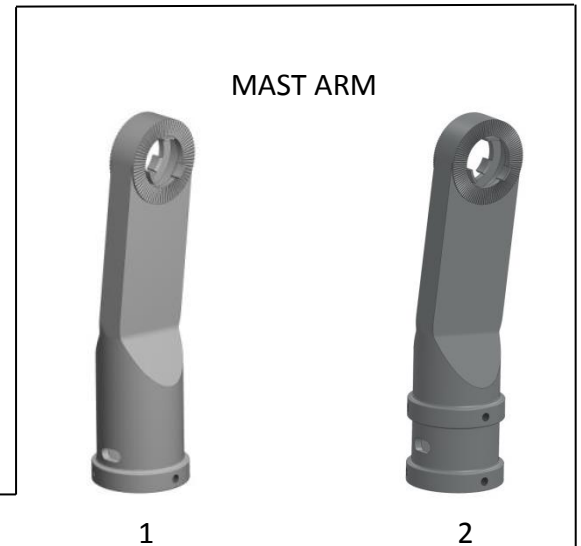


Ref. No.	Description	Catalog Number
1	Post Top Mounted with Terminal Compartment, 5 Port	TSH0030
2	Post Top Mounted with Terminal Compartment, Two Way	TSH0031
3	Post Top Mounted with Terminal Compartment, Three Way	TSH0038
4	Post Top Mounted with Terminal Compartment, Unistrut Type	TSH0032
5	Cabinet Pedestal Post Top Mounted Fits 4 ½" OD Pole	TSH0184
6	Post Top Center Mount, Non-Serrated 4 Ports 90 Degrees	TSH0056
7	Post Top Mounted, Serrated Center Mount	TSH0045
8	Post Top Mounted, Serrated Offset Mount	TSH0048
9	Post Top Mounted, Serrated Offset Mount, 1 Port	TSH0054
10	Post Top Center Mount, Non-Serrated 2 Ports 180 Degrees	TSH0051
11	Post Top Mounted with Horizontal Terminal Compartment, for Two Way Signal. 14 ½" Centers	TSH0058
12	Post Top Mounted with Horizontal Terminal Compartment, for Multiple Signals. 24" Centers. Same as above with extra port out back.	TSH0060
	Door for TSH0058 (Not Shown)	TSH1104
	Door for TSH0060 (Not Shown)	TSH1105

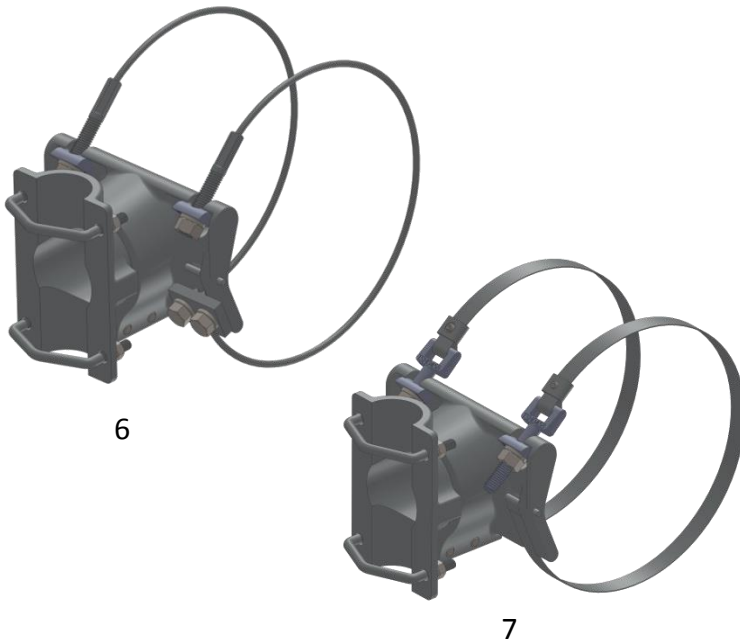
SIGNAL HARDWARE

Mast Arm & Slic-Brac

Ref. No.	Description	Catalog Number
1	Elevator Plumbizer	TSH0081
2	Elevator Plumbizer, Double Rings	TSH0082
3	Mast Arm Plumbizer	TSH0071
4	Mast Arm Plumbizer, Double Ring	TSH0072
5	Clevis Type Hanger	TSH0076
6	Slic-Brac Clamp Kit, Cable-on	
7	Slic-Brac Clamp Kit, Band-on	
8	Slic-Brac Assembly, 3-section, Cable-on	
9	Slic-Brac Assembly, 3-section, Band-on	

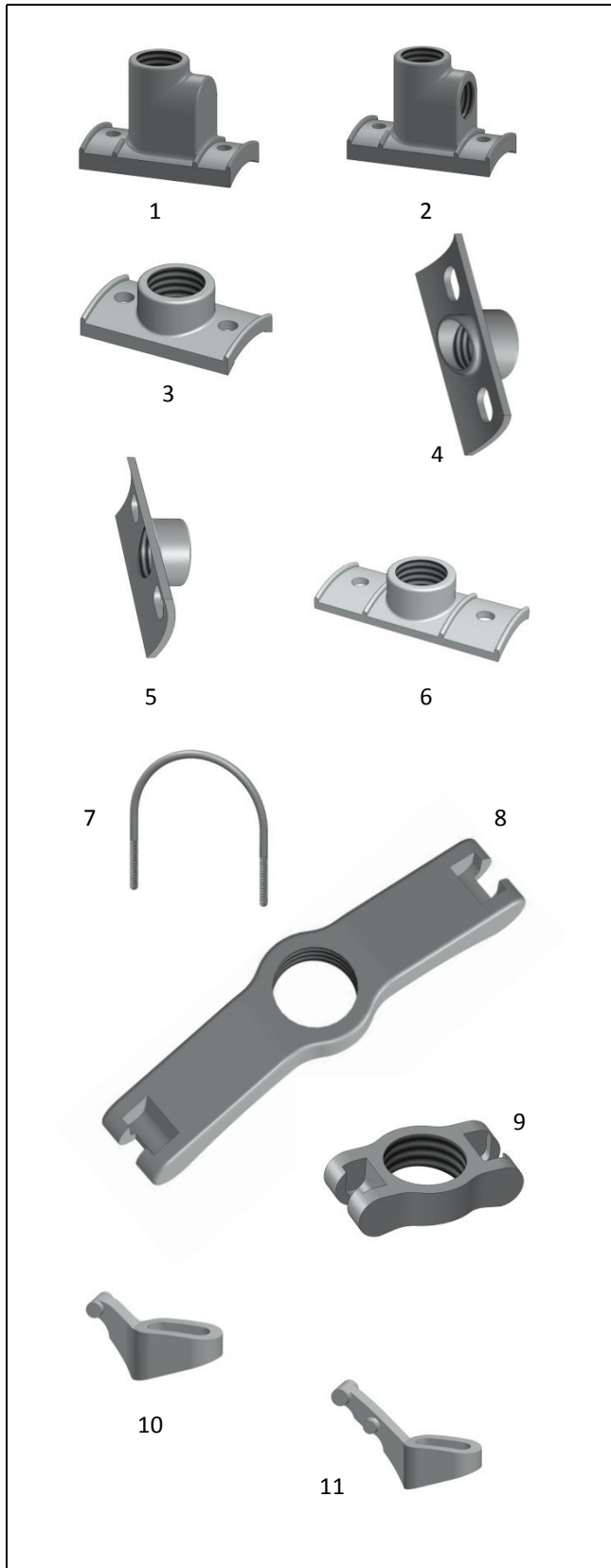


SLIC-BRAC
NEW PRODUCT!



SIGNAL HARDWARE

Pole Hardware



Ref No.	Description	Pole Diameter	Catalog number
1	Pole Plate Hub 1 ½" NPT		TSH0098
2	Pole Plate Hub w/1 ¼" NPT Bottom Hole		TSH0099
3	Pole Plate, Band-On Style 1 ½" NPS		TSH0150
4	Pole Plate with Cable Guide		TSH0151
5	Pole Plate without Cable Guide		TSH0152
6	Pole Plate Band-On Or Bolt-On		TSH0153
7	U Bolt ½" Steel Rod, Galvanized Use w/Adjustable Pole Clamps	4 ½"	TSH0804
		5 ½"	TSH0805
		6 ½"	TSH0806
		7 ½"	TSH0807
		8 ½"	TSH0808
		9 ½"	TSH0809
		10 ½"	TSH0810
		11 ½"	TSH0811
		12 ½"	TSH0812
		13 ½"	TSH0813
		14 ½"	TSH0814
		15 ½"	TSH0815
8	Pole Clamp, Large Hub, 1 ½" NPT, Galvanized		TSH0825G
9	Pole Clamp, Small Hub, 1 ½" NPT, Bronze		TSH0826B
10	Pole Clamp Ear, Small		TSH0827
11	Pole Clamp Ear, Large		TSH0828
	Pole Clamp Assembly, Large Hub, Large Ears, Galvanized		TSH0829G
	Pole Clamp Assembly, Large Hub, Small Ears, Galvanized		TSH0830G
	Pole Clamp Assembly, Small Hub, Large Ears, Brass		TSH0831B
	Pole Clamp Assembly, Small Hub, Small Ears, Brass		TSH0832B
12	Ornamental Pole Clamp, Single Hub Assembly 1 ½" NPT	4 ½"	TSH0831
		5 ½"	TSH0832
		8 ½"	TSH0835
		9 ½"	TSH0836
13	Ornamental Pole Clamp, Half with Hub 1 ½" NPT	4 ½"	TSH0861
		5 ½"	TSH0862
		8 ½"	TSH0865
		9 ½"	TSH0866
14	Ornamental Pole Clamp, Half without Hub	4 ½"	TSH0851
		5 ½"	TSH0852
		8 ½"	TSH0855
		9 ½"	TSH0856

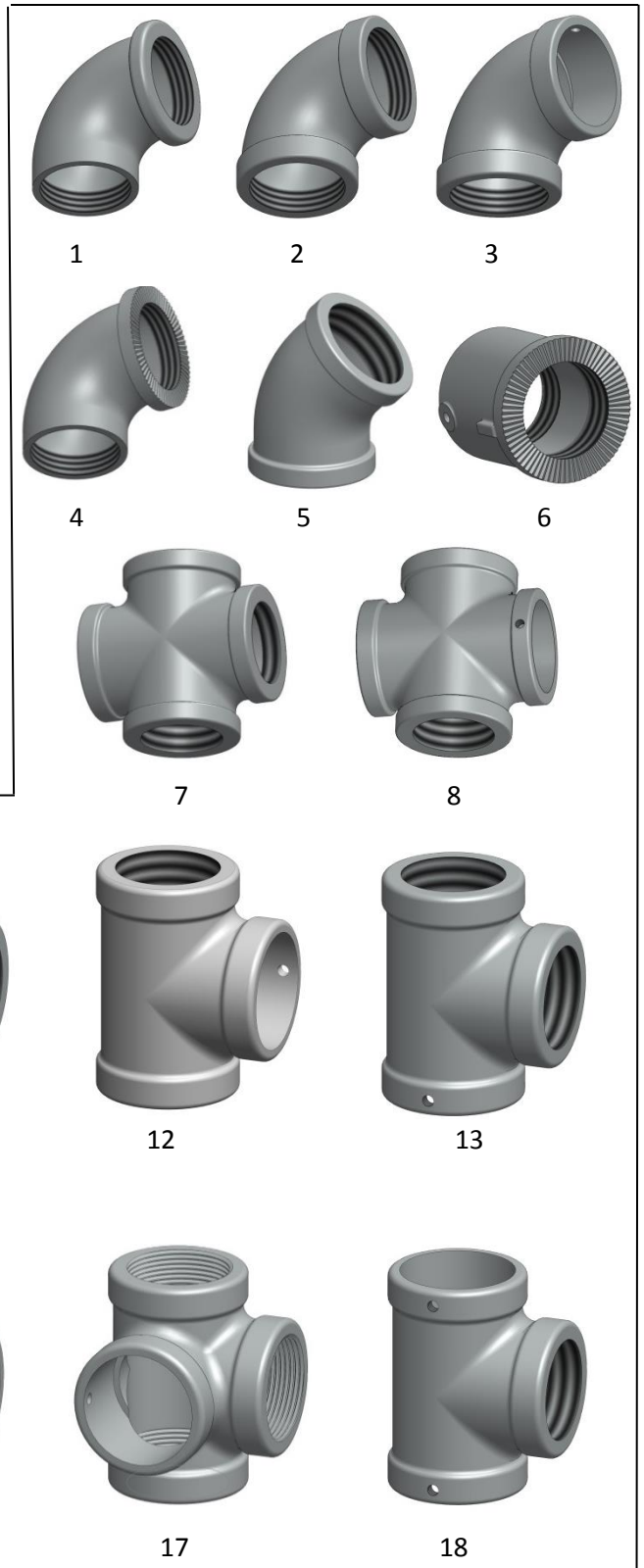


SIGNAL HARDWARE

Pipe Fittings

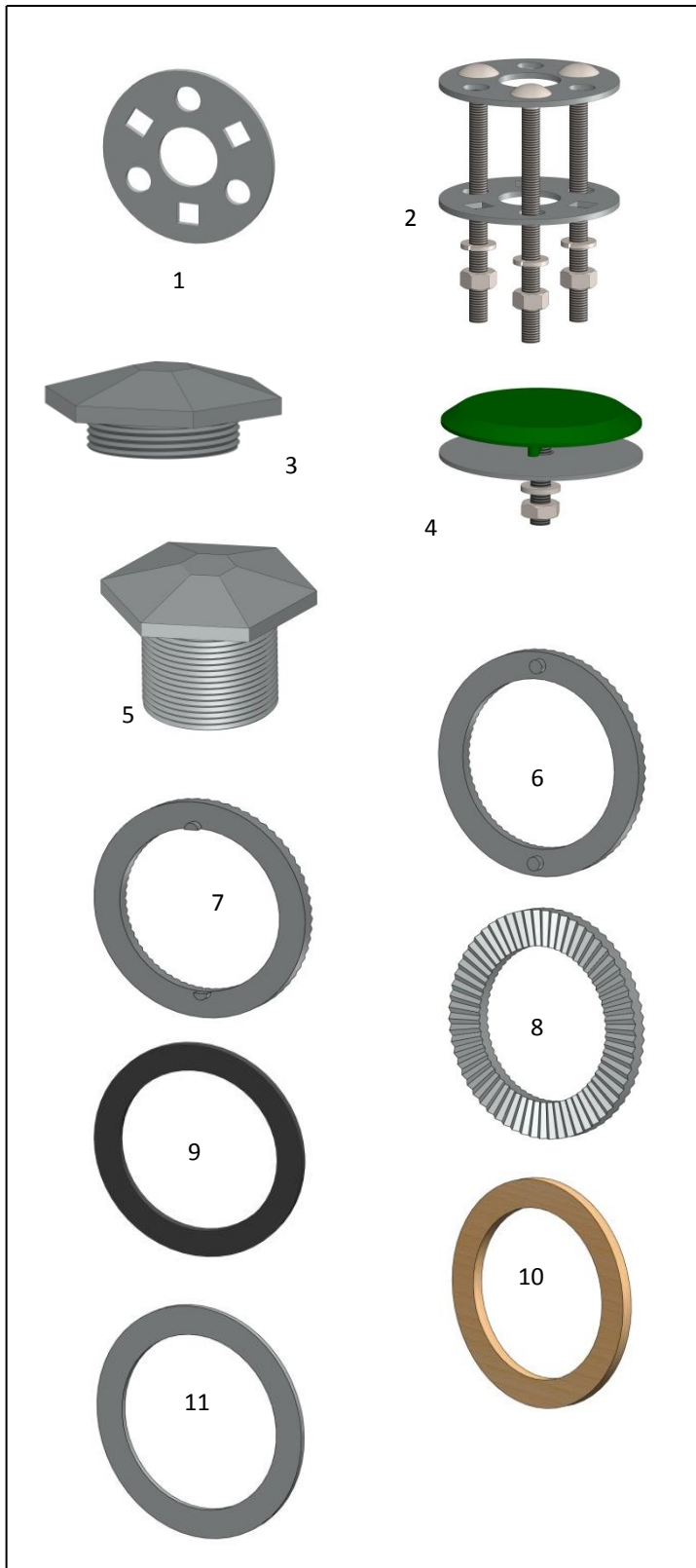
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Ref. No.	Description	Catalog Number
1	Elbow, Flanged 1 Port	TSH0171
2	Elbow, Standard	TSH0172
3	Elbow, Reamed 1 port	TSH0173
4	Elbow, Serrated 1 Port	TSH0174
5	Elbow, 45 Degrees	TSH0177
6	Coupling, Serrated 1 Port	TSH0576
7	Cross, Standard	TSH0221
8	Cross, Reamed 1 Port	TSH0222
9	Slip Cross, Reamed 2 Ports on Run	TSH0223
10	Cross, Serrated 1 Port	TSH0224
11	Tee, Standard	TSH0201
12	Tee, Reamed on Outlet	TSH0202
13	Tee, Reamed on Run, 1 Port	TSH0203
14	Tee, Serrated on Outlet	TSH0204
15	Tee, Serrated on Run	TSH0205
16	Tee, w/Side Outlet	TSH0206
17	Tee, Reamed Side Outlet	TSH0207
18	Slip Tee, Reamed on Run, 2 Ports	TSH0213

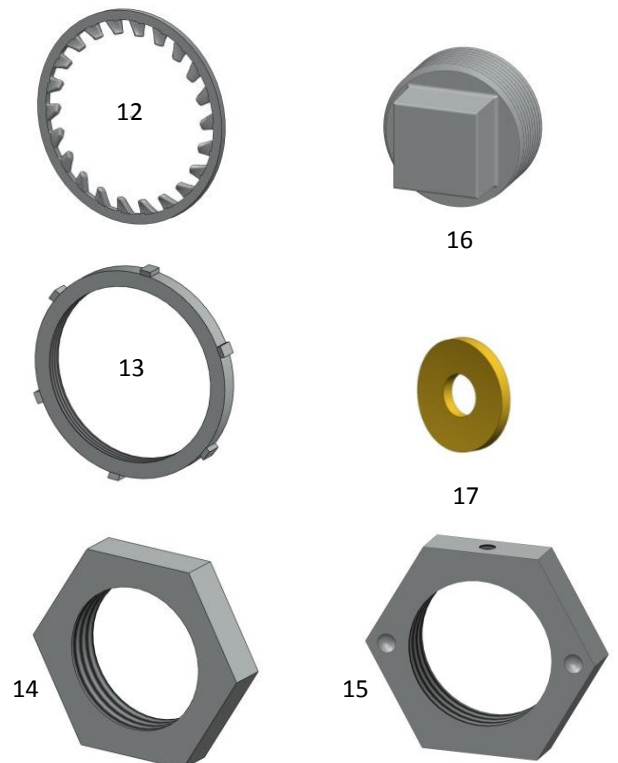


SIGNAL HARDWARE

Fittings, Washers & Locknuts



Ref. No.	Description	Catalog Number
1	Washer, Clamp (for Tri-Stud)	TSH0258
2	Clamp Washer Set	TSH0259
3	Ornamental Cap, Short, 1/2" x 1 1/2" NPS	TSH0501
4	Plastic Cap Assy: Plugs 1 1/2" Hole	TSH0502
5	Ornamental Cap, Long, 1 1/2" x 1 1/2" NPS	TSH0503
6	Serrated Locking Ring, 72 Teeth Full Pin	TSH0521
7	Serrated Locking Ring, 72 Teeth 1/2 Pin	TSH0522
8	Serrated Locking Ring, 72/72 Teeth	TSH0524
9	Washer, Neoprene	TSH0531
10	Washer, Cork	TSH0532
11	Washer, Steel, Zinc Plated	TSH0533
12	Washer, Shake proof Zinc Plated	TSH0534
13	Locknut, 1 1/2" NPS Conduit, Zinc Plated	TSH0551
14	Locknut, 1 1/2" (Oversize NPS)	TSH0555
15	Locknut, 1 1/2" w/Set Screw & 2 Pinholes	TSH0556
16	Plug, 1 1/4" NPT Squarehead	TSH0580
	Plug, 1 1/2" NPT Squarehead	TSH0581
17	Washer, Curved, Brass	TSH8051



SIGNAL HARDWARE

Fittings, Washers & Locknuts

Ref. No.	Description	Catalog Number
1	Adapter, Tri-Stud to 1 ½" NPS	TSH0577
2	Extender, 1 ½" NPT Flanged	TSH0574
3	Extender, 1 ½" NPT w/Surlock	TSH0575
4	Coupling, Iron	TSH0578
5	Floor Flange, 1 ½" NPT	TSH0601
6	Lock Nipple, Long, (1 ½" Length)	TSH0571
7	Lock Nipple, Short, (1 ⅛" Length)	TSH0572
8	Lock Nipple, Spanwrench (1 ⅜" Length)	TSH0573
9	Insulator Bushing NPS	TSH0128
10	Insulator Bushing, Press-in Type	TSH0128P
11	Reducer Bushing, 1 ½" to ¾" NPT	TSH0582
12	1 ½" Pipe Nipple, All sizes available	
13	1 ½" Compensation Nipple	
14	Center Pipe	
15	Signal Wrench	TSH0570G