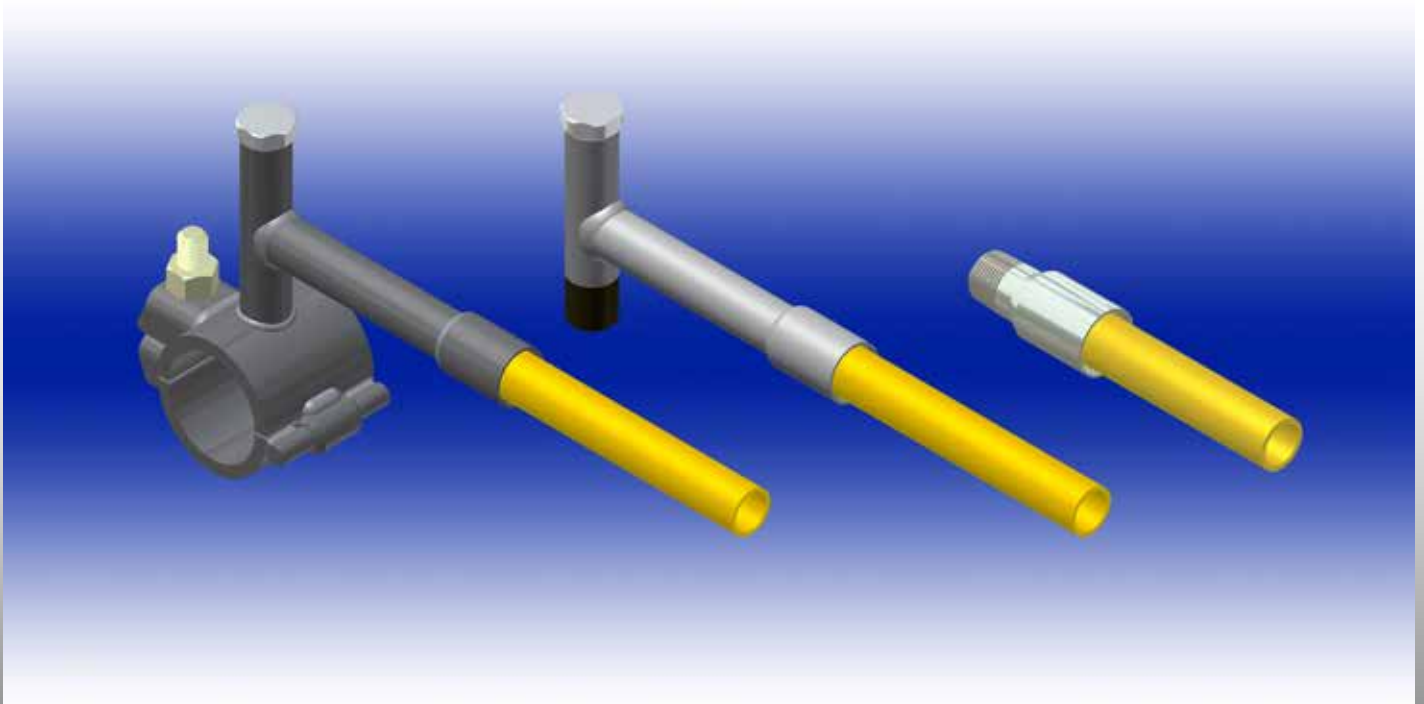




Gas Connectors & Accessories

Continental  
Industries

## TRANSITION FITTINGS



1-800-558-1373 or FAX 1-800-788-1668 • Visit [www.conind.com](http://www.conind.com)



## Our Company

Continental Industries, headquartered in Tulsa, Oklahoma, was formed in 1958 and is today a leading manufacturer of connectors for the Gas Utility, Gas & Water Distribution, Propane, Plumbing and Cathodic Protection markets.

An ISO 9001 certified company, Continental Industries has manufacturing locations in Tulsa and Broken Arrow, Oklahoma. Our employees are committed to providing the best value to our customers.

Our full line of plastic and steel connector products are produced utilizing state-of-the-art injection molding machines, automatic screw machines, and CNC machining equipment. Our commitment to quality is evident in every step of our business processes. Renowned for our design and development of technologically advanced products, we provide our customers with reliable, cost-effective solutions to their “main to meter” service line installation, repair, or renewal problems.

thermOweld®, our exothermic welding materials and accessories products, provide a simple, efficient, cost effective method of permanently connecting two or more conductors utilizing a high temperature exothermic reaction between Aluminum and Copper Oxide to produce an almost pure copper weld. We manufacture all of our weld metal and molds in Oklahoma so you are certain of getting consistent, high quality products to satisfy your exothermic welding needs.

## Our Vision

Simply stated, our vision is “To be a Sales and Customer Driven Company”. Our commitment to providing the best value to our customers is shared by the entire organization and is evidenced by both the number of long standing relationships we have gratefully developed over the years and the new relationships we are developing every day.

## Why Use

Continental Industries is the industry leader in the manufacturing of plastic and steel mechanical fittings for the Gas & Water industry. From the I.D. Seal® Con-Stab to Scope®, steel saddles to HVT, quality and service is what drives us at Continental Industries.

Manufacturing fittings since 1958, Continental has the experience and confidence necessary to provide the best quality products on the market today. Continental Industries’ mechanical fittings will save you both time and money and give you the peace of mind that comes with using a quality product.

Continental Industries’ uses only the highest quality raw materials, engineered designs and manufacturing processes to ensure the consistent quality that makes Continental Industries’ products second to none.

With regional sales offices located throughout the United States, a Continental Industries representative is only a phone call away to help with any questions you may have.

Come experience what so many other satisfied customers have experienced, the excitement and family atmosphere that is Continental Industries!

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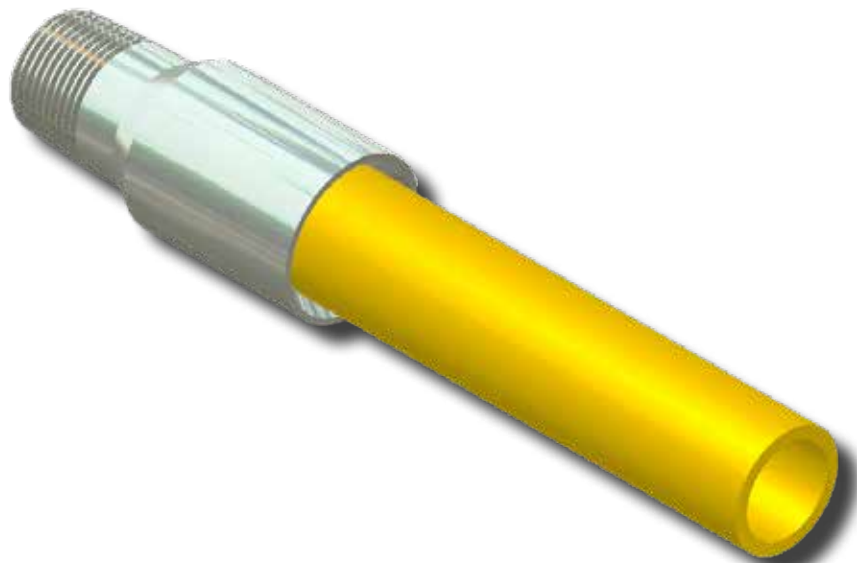
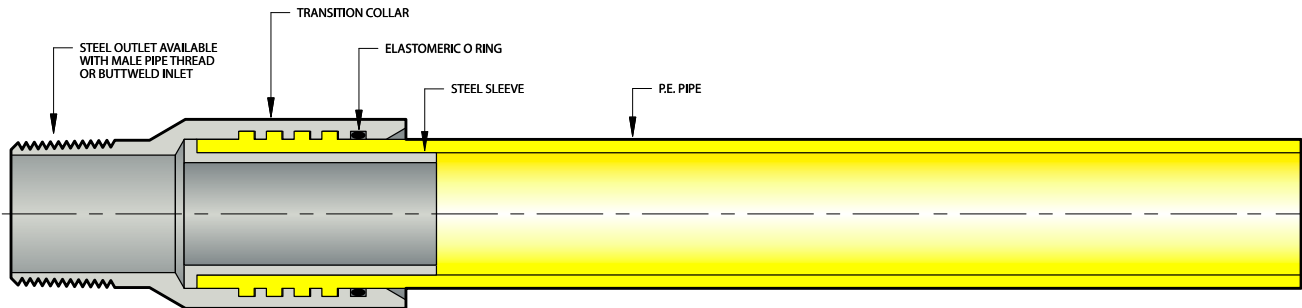
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**For Con-Stab ID Seal® Transition Punch Tees, see Continental’s “Con-Stab ID Seal® Fittings” Catalog**



## TRANSITION FITTINGS

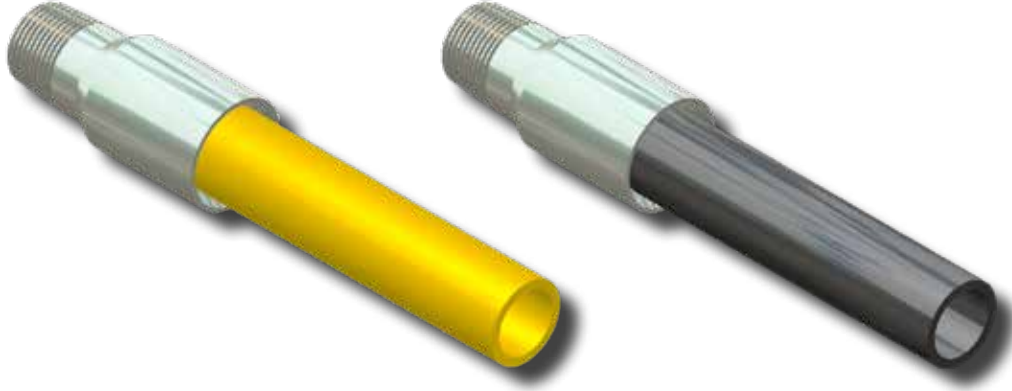
Polyethylene Pipe x Pipe Thread or Weld End  
For Joining Polyethylene Pipe To Metallic Pipe



- **O-RING SEAL PROVIDES POSITIVE SEAL**
- **ZINC PLATED FOR CORROSION PROTECTION**
- **MECHANICALLY HELD - PROVIDES MAXIMUM PULL-OUT RESISTANCE—tensile strength exceeds requirements of D.O.T., Title 49 of the Code of Federal Regulations, Part 192.283 (b)**
- **AVAILABLE WITH 2406/2708 OR 3408/4710 P.E. EXTENSIONS**
- **CONFORMS TO ASTM D2513, & ANSI B31.8 & DOT 192.121**
- **AVAILABLE WITH MALE PIPE THREADED END**



## TRANSITION FITTINGS

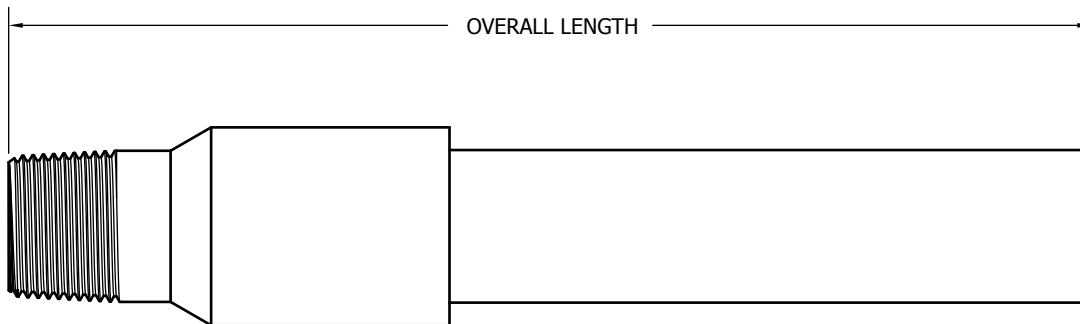


OUTLET	WALL	INLET	PART NUMBER 2406/2708	PART NUMBER 3408/4710	OVERALL LENGTH
1/2" CTS (5/8" OD)	.090	1/2" MPT	4646-00-1904-00†‡	4949-00-1904-00‡	14 3/8"
1" CTS (1 1/8" OD)	.099/.101	1" MPT	4646-00-1908-00†‡	4949-00-1908-00‡	14 3/4"
1/2" IPS	SDR-9.33 (.090)	3/4" MPT	4646-00-1912-00‡	4949-00-1912-00‡	14 11/32"
3/4" IPS	SDR-11 (.095)	3/4" MPT	4646-00-1913-00†‡	4949-00-1913-00‡	15"
1" IPS	SDR-11 (.119)	1" MPT	4646-00-1914-00†‡	4949-00-1914-00‡	16 1/8"
1 1/4" IPS	SDR-10 (.166)	1 1/4" MPT	4646-00-1915-00†‡	Not Available	16 1/16"
1 1/4" IPS	SDR-11 (.151)	1 1/4" MPT	4646-00-1915-0A†‡	4949-00-1915-0A‡	16 1/16"
1 1/2" IPS	SDR-11 (.171)	1 1/2" MPT	4646-00-1916-00†‡	4949-00-1916-00‡	16 5/16"
2" IPS	SDR-11 (.166)	2" MPT	4646-00-1917-00†‡	4949-00-1917-00‡	16 11/16"

For sizes not listed, contact Continental Industries.

Pressure rating—Designed to meet or exceed pressure rating of PE pipe per 49 CFR Part 192 and ASTM D2513.

† = CSA Approved / ‡ = IAPMO/UPC Listed

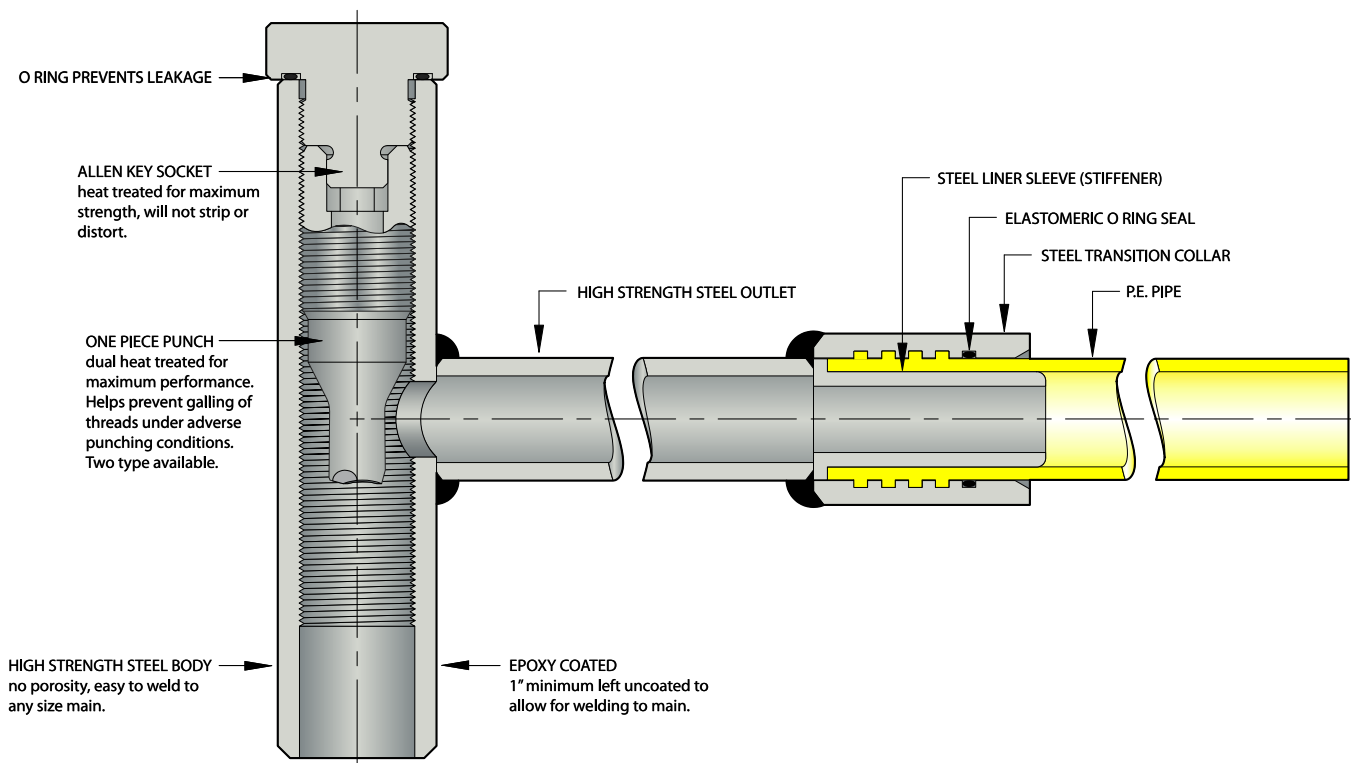




# TRANSITION PUNCH TEES

## STEEL SERVICE TRANSITION PUNCH TEES WITH SEAL PLUG CAP

The Most Foolproof, Versatile, Economical Punch Tee Available

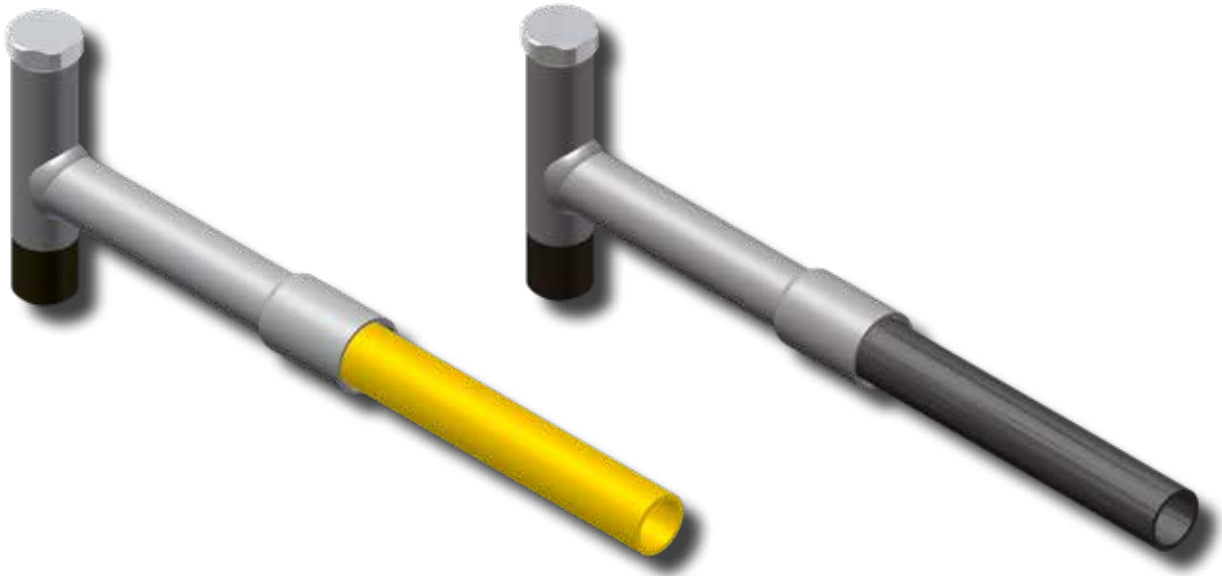


- **CAP SCREWS DOWN INSIDE TEE BODY**
- **O-RING IN CAP PREVENTS LEAKAGE**
- **NO NEED FOR TEFLON TAPE OR THREAD SEALANT**
- **CAP CAN BE TIGHTENED BY HAND TO SEAL AT 800 PSI**
- **WELDS ARE TESTED TO 450 PSI**
- **PUNCH PROVIDES POSITIVE VALVE ACTION AT MAIN**
- **FAST - NO BULKY DRILLING EQUIPMENT NEEDED**
- **SAFE - NO BLOWING OF GAS**
- **TWO TYPES OF PUNCHES AVAILABLE (SEE PG 13)**
- **AVAILABLE IN WELD, THREADED OR SADDLE INLETS**
- **O-RING SEAL PROVIDES POSITIVE SEAL**
- **EPOXY COATED FOR CORROSION PROTECTION**
- **MECHANICALLY HELD - PROVIDES MAXIMUM PULL-OUT RESISTANCE—tensile strength exceeds requirements of D.O.T., Title 49 of the Code of Federal Regulations, Part 192.283 (b)**
- **AVAILABLE WITH 2406/2708 OR 3408/4710 P.E. EXTENSIONS**
- **CONFORMS TO ASTM D2513, ANSI B31.8 & DOT 192.121**

# TRANSITION PUNCH TEES



## 1201 & 1302 STYLE STEEL SERVICE PUNCH TEES Transition Outlets



OUTLET	WALL	INLET	PART NUMBER	PUNCH SIZE
1/2" CTS (5/8" OD)	.090	1/2" Weld	1201-09-▲▲04-00	3/8" CR
		1/2" Threaded	1201-12-▲▲04-00	
		3/4" Weld	1302-09-▲▲04-00	
		3/4" Threaded	1302-12-▲▲04-00	
1" CTS (1 1/8" OD)	.099/.101	3/4" Weld	1302-09-▲▲08-00	3/8" CR
		3/4" Threaded	1302-12-▲▲08-00	
1/2" IPS	SDR-9.33 (.090)	1/2" Weld	1201-09-▲▲12-00	3/8" CR
		1/2" Threaded	1201-12-▲▲12-00	
		3/4" Weld	1302-09-▲▲12-00	
		3/4" Threaded	1302-12-▲▲12-00	
3/4" IPS	SDR-11 (.095)	3/4" Weld	1302-09-▲▲13-00	3/8" CR
		3/4" Threaded	1302-12-▲▲13-00	
1" IPS	SDR-11 (.119)	3/4" Weld	1302-09-▲▲14-00	3/8" CR
		3/4" Threaded	1302-12-▲▲14-00	

- **For sizes not listed, contact Continental Industries.**
- Replace ▲▲ with either 46 for 2406/2708 PE or 44 for 3408/4710 PE.
- Pressure rating—Designed to meet or exceed pressure rating of PE pipe per 49 CFR Part 192 and ASTM D2513.
- For optional punch sizes, see page 13.
- Recommended accessories:
  - 23-3691-00 ~ 5/16" Hex Drive Key, Bushing and Socket Adapter for 1201 Style Tees (pg 14)
  - 23-3692-00 ~ 3/8" Hex Drive Key, Bushing and Socket Adapter for 1302 Style Tees (pg 14)
  - 23-1644-00 ~ Test Plug Adapter for 1201 Style Tees (pg 14)
  - 23-1645-00 ~ Test Plug Adapter for 1302 Style Tees (pg 14)
- For Protective Sleeves, see page 18.
- For additional Accessories, see page 14.

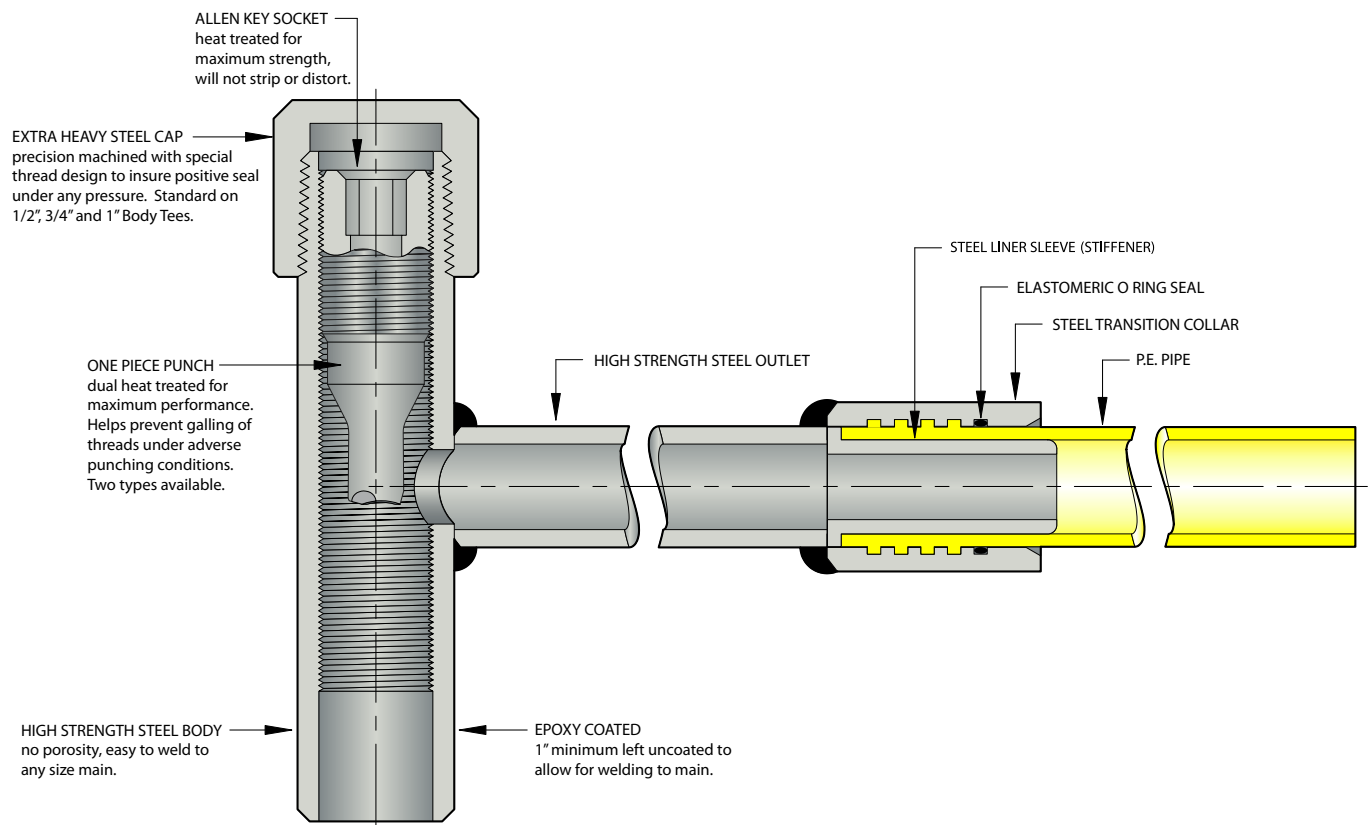


23-3691-00 & 23-3692-00  
Hex Drive Key, Bushing and Socket Adapter  
for 1201 & 1302 Style Tees (pg 21)



## STEEL SERVICE TRANSITION PUNCH TEES WITH PIPE CAP

The Most Foolproof, Versatile, Economical Punch Tee Available



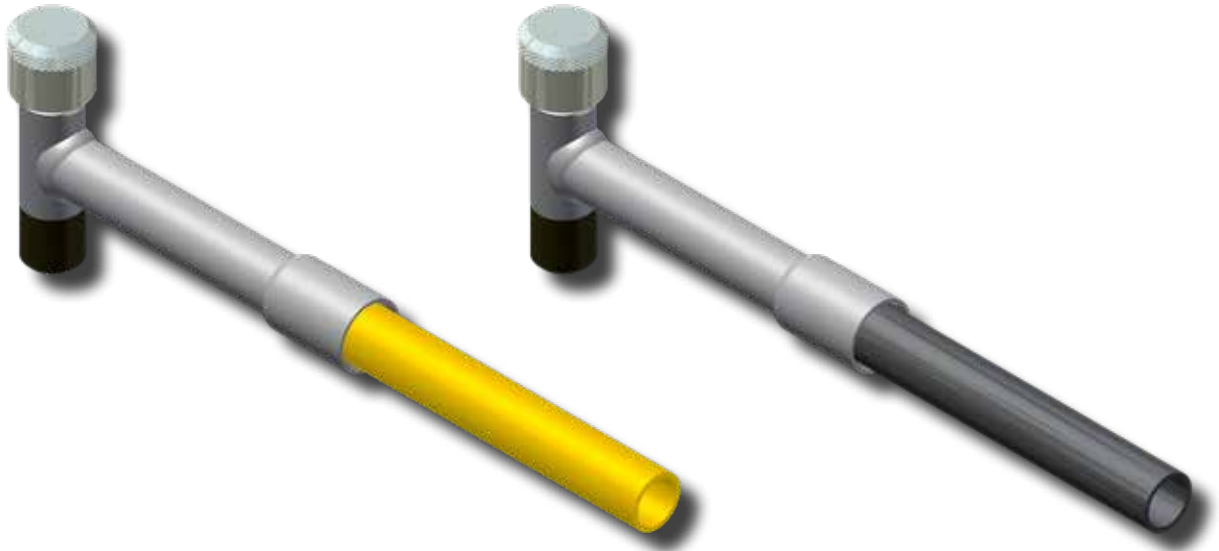
- WELDS ARE TESTED TO 450 PSI
- PUNCH PROVIDES POSITIVE VALVE ACTION AT MAIN
- FAST - NO BULKY DRILLING EQUIPMENT NEEDED
- SAFE - NO BLOWING OF GAS
- CAN BE FURNISHED WITH ANY TYPE CONTINENTAL OUTLET
- TWO TYPES OF PUNCHES AVAILABLE (SEE PG 13)
- AVAILABLE IN WELD, THREADED OR SADDLE INLETS
- O-RING SEAL PROVIDES POSITIVE SEAL
- EPOXY COATED FOR CORROSION PROTECTION
- MECHANICALLY HELD - PROVIDES MAXIMUM PULL-OUT RESISTANCE—tensile strength exceeds requirements of D.O.T., Title 49 of the Code of Federal Regulations, Part 192.283 (b)
- AVAILABLE WITH 2406/2708 OR 3408/4710 P.E. EXTENSIONS
- CONFORMS TO ASTM D2513, ANSI B31.8 & DOT 192.121



# TRANSITION PUNCH TEES



## 1214, 1315, 1416 & 1517 STYLE STEEL SERVICE PUNCH TEES Transition Outlets



OUTLET	WALL	INLET	PART NUMBER	PUNCH SIZE
1/2" CTS (5/8" OD)	.090	1/2" Weld	1214-09-▲▲04-00	3/8" CR
		1/2" Threaded	1214-12-▲▲04-00	
		3/4" Weld	1315-09-▲▲04-00	
		3/4" Threaded	1315-12-▲▲04-00	
1" CTS (1 1/8" OD)	.099/.101	3/4" Weld	1315-09-▲▲08-00	3/8" CR
		3/4" Threaded	1315-12-▲▲08-00	1/2" CR
		1" Weld	1416-09-▲▲08-00	
		1" Threaded	1416-12-▲▲08-00	
1/2" IPS	SDR-9.33 (.090)	1/2" Weld	1214-09-▲▲12-00	3/8" CR
		1/2" Threaded	1214-12-▲▲12-00	
		3/4" Weld	1315-09-▲▲12-00	
		3/4" Threaded	1315-12-▲▲12-00	
3/4" IPS	SDR-11 (.095)	3/4" Weld	1315-09-▲▲13-00	3/8" CR
		3/4" Threaded	1315-12-▲▲13-00	1/2" CR
		1" Weld	1416-09-▲▲13-00	
		1" Threaded	1416-12-▲▲13-00	
1" IPS	SDR-11 (.119)	1" Weld	1416-09-▲▲14-00	3/8" CR
		1" Threaded	1416-12-▲▲14-00	1" CR
		1 1/4" Weld	1517-09-▲▲14-00	
		1 1/4" Threaded	1517-12-▲▲14-00	
1 1/4" IPS	SDR-10 (.166)	1 1/4" Weld	1517-09-▲▲15-00	1" CR
		1 1/4" Threaded	1517-12-▲▲15-00	



23-3691-00 & 23-3692-00  
Hex Drive Key, Bushing and Socket Adapter  
for 1214 & 1315 Style Tees (pg 21)



23-0941-00 & 23-0940-00  
Hex Drive Key, Bushing and Socket Adapter  
for 1416 & 1517 Style Tees (pg 21)

For sizes not listed, contact Continental Industries.

Replace ▲▲ with either 46 for 2406/2708 PE or 44 for 3408/4710 PE.

Pressure rating—Designed to meet or exceed pressure rating of PE pipe per 49 CFR Part 192 and ASTM D2513.

For optional punch sizes, see page 13.

Recommended accessories; 23-3691-00 ~ 5/16" Hex Drive Key, Bushing and Socket Adapter for 1214 Style Tees (pg 14), 23-3692-00 ~ 3/8"

Hex Drive Key, Bushing and Socket Adapter for 1315 Style Tees (pg 14), 23-0941-00 ~ 1/2" Square Drive Key, Bushing and Socket Adapter for

1416 Style Tees (pg 14), 23-0940-00 ~ 1/2" Square Drive Key, Bushing and Socket Adapter for 1517 Style Tees (pg 14)

For Protective Sleeves, see page 18.

For additional Accessories, see page 14.



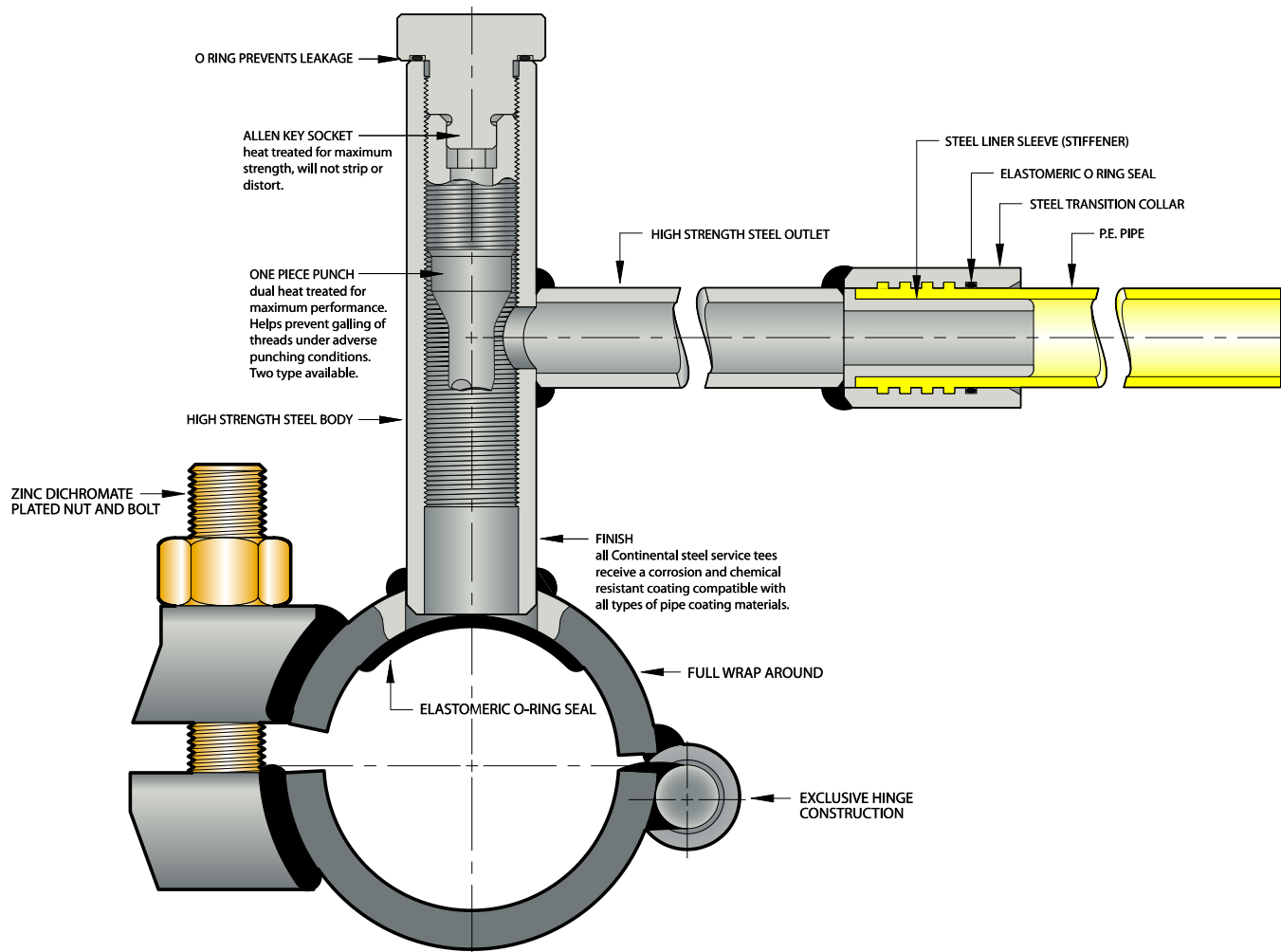




# TRANSITION SADDLE PUNCH TEES

## STEEL SERVICE TRANSITION SADDLE PUNCH TEES WITH SEAL PLUG CAP

The Most Foolproof, Versatile, Economical Punch Tee Available



- **SAME GREAT FEATURES FOUND ON THE SEAL PLUG CAP STYLE PUNCH TEES (SEE PAGE 5 PLUS THE SADDLE PROVIDES;**
  - **RUGGED ALL STEEL CONSTRUCTION**
  - **FULL WRAP AROUND**
  - **ELASTOMERIC O-RING SEAL**
  - **EXCLUSIVE HINGE CONSTRUCTION**
  - **USES SINGLE ZINC DICHROMATE PLATED NUT AND BOLT**
  - **CAN BE USED FOR KEY HOLE APPLICATIONS**

**NOTE: STANDARD SADDLES TEES ARE FURNISHED WITH OUTLET PERPENDICULAR TO THE MAIN. CONTACT CONTINENTAL FOR OUTLETS PARALLEL TO THE MAIN.**

**TRANSITION SADDLE TEES ARE NOT EPOXY COATED.**

# TRANSITION SADDLE PUNCH TEES



## 1201 & 1302 STYLE STEEL SADDLE TRANSITION SERVICE PUNCH TEES Transition Outlets

OUTLET	WALL	Body Size	IPS Main Size	PUNCH SIZE	PART NUMBER
1/2" CTS (5/8" OD)	.090	1/2"	3/4"	3/8" CR	1201-13-▲▲04-00
		3/4"			1302-13-▲▲04-00
		1/2"	1"	3/8" CR	1201-14-▲▲04-00
		3/4"			1302-14-▲▲04-00
		1/2"	1 1/4"	3/8" CR	1201-15-▲▲04-00
		3/4"			1302-15-▲▲04-00
		1/2"	1 1/2"	3/8" CR	1201-16-▲▲04-00
		3/4"			1302-16-▲▲04-00
		1/2"	2"	3/8" CR	1201-17-▲▲04-00
		3/4"			1302-17-▲▲04-00
		1/2"	3"	3/8" CR	1201-19-▲▲04-00
		3/4"			1302-19-▲▲04-00
1/2"	4"	3/8" CR	1201-21-▲▲04-00		
3/4"			1302-21-▲▲04-00		
1/2"	6"	3/8" CR	1201-24-▲▲04-00		
3/4"			1302-24-▲▲04-00		
1" CTS (1 1/8" OD)	.099/.101	3/4"	3/4"	3/8" CR	1302-13-▲▲08-00
		3/4"	1"	3/8" CR	1302-14-▲▲08-00
		3/4"	1 1/4"	3/8" CR	1302-15-▲▲08-00
		3/4"	1 1/2"	3/8" CR	1302-16-▲▲08-00
		3/4"	2"	3/8" CR	1302-17-▲▲08-00
		3/4"	3"	3/8" CR	1302-19-▲▲08-00
		3/4"	4"	3/8" CR	1302-21-▲▲08-00
		3/4"	6"	3/8" CR	1302-24-▲▲08-00
1/2" IPS	SDR-9.33 (.090)	1/2"	3/4"	3/8" CR	1201-13-▲▲12-00
		3/4"			1302-13-▲▲12-00
		1/2"	1"	3/8" CR	1201-14-▲▲12-00
		3/4"			1302-14-▲▲12-00
		1/2"	1 1/4"	3/8" CR	1201-15-▲▲12-00
		3/4"			1302-15-▲▲12-00
		1/2"	1 1/2"	3/8" CR	1201-16-▲▲12-00
		3/4"			1302-16-▲▲12-00
		1/2"	2"	3/8" CR	1201-17-▲▲12-00
		3/4"			1302-17-▲▲12-00
		1/2"	3"	3/8" CR	1201-19-▲▲12-00
		3/4"			1302-19-▲▲12-00
1/2"	4"	3/8" CR	1201-21-▲▲12-00		
3/4"			1302-21-▲▲12-00		
1/2"	6"	3/8" CR	1201-24-▲▲12-00		
3/4"			1302-24-▲▲12-00		
3/4" IPS	SDR-11 (.095)	3/4"	3/4"	3/8" CR	1302-13-▲▲13-00
		3/4"	1"	3/8" CR	1302-14-▲▲13-00
		3/4"	1 1/4"	3/8" CR	1302-15-▲▲13-00
		3/4"	1 1/2"	3/8" CR	1302-16-▲▲13-00
		3/4"	2"	3/8" CR	1302-17-▲▲13-00
		3/4"	3"	3/8" CR	1302-19-▲▲13-00
		3/4"	4"	3/8" CR	1302-21-▲▲13-00
		3/4"	6"	3/8" CR	1302-24-▲▲13-00
1" IPS	SDR-11 (.119)	3/4"	3/4"	3/8" CR	1302-13-▲▲14-00
		3/4"	1"	3/8" CR	1302-14-▲▲14-00
		3/4"	1 1/4"	3/8" CR	1302-15-▲▲14-00
		3/4"	1 1/2"	3/8" CR	1302-16-▲▲14-00
		3/4"	2"	3/8" CR	1302-17-▲▲14-00
		3/4"	3"	3/8" CR	1302-19-▲▲14-00
		3/4"	4"	3/8" CR	1302-21-▲▲14-00
		3/4"	6"	3/8" CR	1302-24-▲▲14-00



23-3691-00 & 23-3692-00  
Hex Drive Key, Bushing and Socket Adapter  
for 1214 & 1315 Style Tees (pg 21)

For sizes not listed, contact Continental Industries.

Replace ▲▲ with either 46 for 2406/2708 PE or 44 for 3408/4710 PE.

Pressure rating—Designed to meet or exceed pressure rating of PE pipe per 49 CFR Part 192 and ASTM D2513.

For optional punch sizes, see page 13.

Recommended accessories; 23-3691-00 ~ 5/16" Hex Drive Key, Bushing and Socket Adapter for 1201 Style Tees (pg 14), 23-3692-00 ~ 3/8" Hex Drive Key, Bushing and Socket Adapter for 1302 Style Tees (pg 14), 23-1644-00 ~ Test Plug Adapter for 1201 Style Tees (pg 14), 23-1645-00 ~ Test Plug Adapter for 1302 Style Tees (pg 14)

For Protective Sleeves, see page 18.

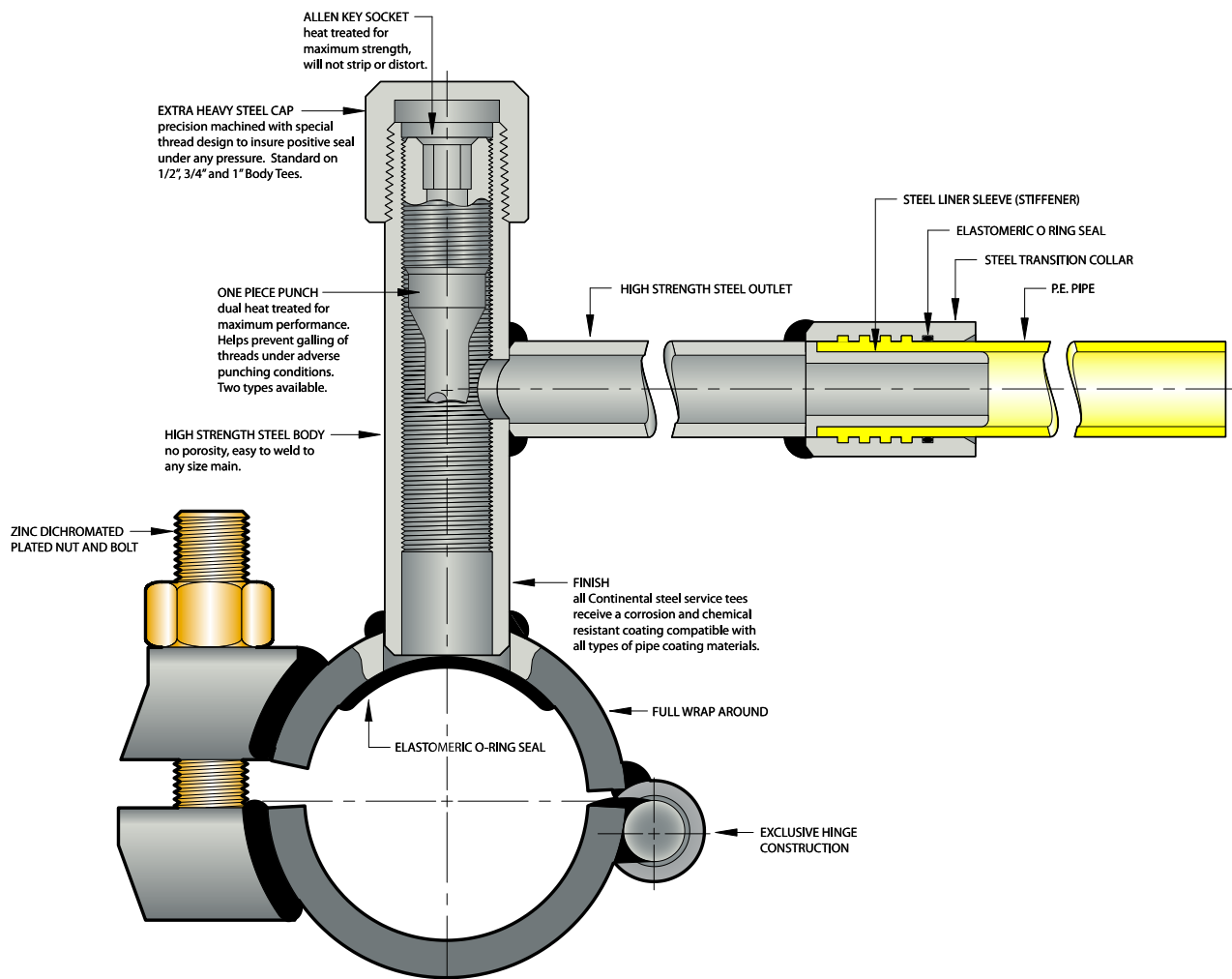
For additional Accessories, see page 14.



# TRANSITION SADDLE PUNCH TEES

## STEEL SERVICE TRANSITION SADDLE PUNCH TEES WITH PIPE CAP

The Most Foolproof, Versatile, Economical Punch Tee Available



- **SAME GREAT FEATURES FOUND ON THE PIPE CAP STYLE PUNCH TEES (SEE PAGE 7) PLUS THE SADDLE PROVIDES;**
  - **RUGGED ALL STEEL CONSTRUCTION**
  - **FULL WRAP AROUND**
  - **ELASTOMERIC O-RING SEAL**
  - **EXCLUSIVE HINGE CONSTRUCTION**
  - **USES SINGLE ZINC DICHROMATE PLATED NUT AND BOLT**
  - **CAN BE USED FOR KEY HOLE APPLICATIONS**

**NOTE: STANDARD SADDLES TEES ARE FURNISHED WITH OUTLET PERPENDICULAR TO THE MAIN. CONTACT CONTINENTAL FOR OUTLETS PARALLEL TO THE MAIN  
TRANSITION SADDLE TEES ARE NOT EPOXY COATED.**

# TRANSITION SADDLE PUNCH TEES



## 1214, 1315, 1416 & 1517 STYLE STEEL SADDLE TRANSITION SERVICE PUNCH TEES Transition Outlets

OUTLET	WALL	Body Size	IPS Main Size	PUNCH SIZE	PART NUMBER
1/2" CTS (5/8" OD)	.090	1/2"	3/4"	3/8" CR	1214-13-▲▲04-00
		3/4"			1315-13-▲▲04-00
		1/2"	1"	3/8" CR	1214-14-▲▲04-00
		3/4"			1315-14-▲▲04-00
		1/2"	1 1/4"	3/8" CR	1214-15-▲▲04-00
		3/4"			1315-15-▲▲04-00
		1/2"	1 1/2"	3/8" CR	1214-16-▲▲04-00
		3/4"			1315-16-▲▲04-00
		1/2"	2"	3/8" CR	1214-17-▲▲04-00
		3/4"			1315-17-▲▲04-00
		1/2"	3"	3/8" CR	1214-19-▲▲04-00
		3/4"			1315-19-▲▲04-00
		1/2"	4"	3/8" CR	1214-21-▲▲04-00
		3/4"			1315-21-▲▲04-00
1/2"	6"	3/8" CR	1214-24-▲▲04-00		
3/4"			1315-24-▲▲04-00		
1" CTS (1 1/8" OD)	.099/.101	3/4"	3/4"	3/8" CR	1315-13-▲▲08-00
		3/4"			1" 3/8" CR 1315-14-▲▲08-00
		3/4"	1 1/4"	3/8" CR	1315-15-▲▲08-00
		1"			3/4" CR 1416-15-▲▲08-00
		3/4"	1 1/2"	3/8" CR	1315-16-▲▲08-00
		1"			3/4" CR 1416-16-▲▲08-00
		3/4"	2"	3/8" CR	1315-17-▲▲08-00
		1"			3/4" CR 1416-17-▲▲08-00
		3/4"	3"	3/8" CR	1315-19-▲▲08-00
		1"			3/4" CR 1416-19-▲▲08-00
		3/4"	4"	3/8" CR	1315-21-▲▲08-00
		1"			3/4" CR 1416-21-▲▲08-00
		3/4"	6"	3/8" CR	1315-24-▲▲08-00
		1"			3/4" CR 1416-24-▲▲08-00
1/2" IPS	SDR-9.33 (.090)	1/2"	3/4"	3/8" CR	1214-13-▲▲12-00
		3/4"			1315-13-▲▲12-00
		1/2"	1"	3/8" CR	1214-14-▲▲12-00
		3/4"			1315-14-▲▲12-00
		1/2"	1 1/4"	3/8" CR	1214-15-▲▲12-00
		3/4"			1315-15-▲▲12-00
		1/2"	1 1/2"	3/8" CR	1214-16-▲▲12-00
		3/4"			1315-16-▲▲12-00
		1/2"	2"	3/8" CR	1214-17-▲▲12-00
		3/4"			1315-17-▲▲12-00
		1/2"	3"	3/8" CR	1214-19-▲▲12-00
		3/4"			1315-19-▲▲12-00
		1/2"	4"	3/8" CR	1214-21-▲▲12-00
		3/4"			1315-21-▲▲12-00
1/2"	6"	3/8" CR	1214-24-▲▲12-00		
3/4"			1315-24-▲▲12-00		

OUTLET	WALL	Body Size	IPS Main Size	PUNCH SIZE	PART NUMBER
3/4" IPS	SDR-11 (.095)	3/4"	3/4"	3/8" CR	1315-13-▲▲13-00
		3/4"			1" 3/8" CR 1315-14-▲▲13-00
		3/4"	1 1/4"	3/8" CR	1315-15-▲▲13-00
		1"			3/4" CR 1416-15-▲▲13-00
		3/4"	1 1/2"	3/8" CR	1315-16-▲▲13-00
		1"			3/4" CR 1416-16-▲▲13-00
		3/4"	2"	3/8" CR	1315-17-▲▲13-00
		1"			3/4" CR 1416-17-▲▲13-00
		3/4"	3"	3/8" CR	1315-19-▲▲13-00
		1"			3/4" CR 1416-19-▲▲13-00
		3/4"	4"	3/8" CR	1315-21-▲▲13-00
		1"			3/4" CR 1416-21-▲▲13-00
		3/4"	6"	3/8" CR	1315-24-▲▲13-00
		1"			3/4" CR 1416-24-▲▲13-00
1" IPS	SDR-11 (.119)	3/4"	3/4"	3/8" CR	1315-13-▲▲14-00
		3/4"			1" 3/8" CR 1315-14-▲▲14-00
		3/4"	1 1/4"	3/8" CR	1315-15-▲▲14-00
		1"			3/4" CR 1416-15-▲▲14-00
		3/4"	1 1/2"	3/8" CR	1315-16-▲▲14-00
		1"			3/4" CR 1416-16-▲▲14-00
		3/4"	2"	3/8" CR	1315-17-▲▲14-00
		1"			3/4" CR 1416-17-▲▲14-00
		3/4"	3"	3/8" CR	1315-19-▲▲14-00
		1"			3/4" CR 1416-19-▲▲14-00
		3/4"	4"	3/8" CR	1315-21-▲▲14-00
		1"			3/4" CR 1416-21-▲▲14-00
		3/4"	6"	3/8" CR	1315-24-▲▲14-00
		1"			3/4" CR 1416-24-▲▲14-00
1 1/4" IPS	SDR-10 (.166)	1 1/4"	2"	1" CR	1517-17-▲▲15-00
		1 1/4"			3" 1" CR 1517-19-▲▲15-00
		1 1/4"	4"	1" CR	1517-21-▲▲15-00
		1 1/4"			6" 1" CR 1517-24-▲▲15-00

For sizes not listed, contact Continental Industries.

Replace ▲▲ with either 46 for 2406/2708 PE or 44 for 3408/4710 PE.

Pressure rating—Designed to meet or exceed pressure rating of PE pipe per 49 CFR Part 192 and ASTM D2513.

For optional punch sizes, see page 13.

Recommended accessories; 23-3691-00 ~ 5/16" Hex Drive Key, Bushing and Socket Adapter for 1214 Style Tees (pg 14), 23-3692-00 ~ 3/8" Hex Drive Key, Bushing and Socket Adapter for 1315 Style Tees (pg 14), 23-0941-00 ~ 1/2" Square Drive Key, Bushing and Socket Adapter for 1416 Style Tees (pg 14), 23-0940-00 ~ 1/2" Square Drive Key, Bushing and Socket Adapter for 1517 Style Tees (pg 14)

For Protective Sleeves, see page 18.

For additional Accessories, see page 14.



23-0941-00 & 23-0940-00  
Hex Drive Key, Bushing and Socket  
Adapter for 1416 & 1517 Style  
Tees (pg 21)



23-3691-00 & 23-3692-00  
Hex Drive Key, Bushing and Socket  
Adapter for 1214 & 1315 Style  
Tees (pg 21)



## PUNCH DATA — SIZES, TYPES & WALL LIMITS for Steel Punch Tees

### “CR” Coupon Retaining Punch

Coupon is actually retained in head of punch  
– no more coupons left inside mains.  
Exclusive tip design reduces tapping torque.  
Available with all Continental Punch Tees.

### EXCLUSIVE

### “NC” No Coupon Punch

No “Coupon” Punch flares a hole  
in the main without producing a “Coupon”.  
Available in 1/4” & 3/8” sizes only.  
Specify “No Coupon Punch”.



- One piece tool steel
- Positive valve
- Socket and threads heat treated for maximum toughness
- Cutting tip is heat treated for maximum hardness



TEE BODY SIZE	PUNCH TIP SIZE	NC CAT. NO.	CR CAT. NO.	DRIVE KEY SIZE	DRIVE KEY CATALOG NO.	MAX. WALL THICKNESS	MAX. PIPE YIELD STRENGTH
<b>1/2" BODY PUNCHES</b>							
1/2" Body Tee	1/4"	06-0442-00	N/A	5/16" Hex	23-3691-00	0.25	65 ksi
1/2" Body Tee	3/8"	N/A	06-0895-00†	5/16" Hex	23-3691-00	0.28	70 ksi
<b>3/4" BODY PUNCHES</b>							
3/4" Body Tee	3/8"	06-5961-00	06-0478-00†	3/8" Hex	23-3692-00	0.28	70 ksi
3/4" Body Tee	1/2"	N/A	06-0452-00	3/8" Hex	23-3692-00	0.25	65 ksi
<b>1" BODY PUNCHES</b>							
1" Body Tee	3/8"	N/A	06-3687-00	1/2" Sq.	23-0941-00	0.28	70 ksi
1" Body Tee	3/4"	N/A	06-0832-00†	1/2" Sq.	23-0941-00	0.25	65 ksi
<b>1 1/4" BODY PUNCHES</b>							
1 1/4" Body Tee	1"	N/A	06-0767-00†	1/2" Sq.	23-0940-0	0.25	65 ksi

† Standard

Lubricant must be applied to the punch threads and punch tip. Acceptable lubricants include thread cutting oil, tapping fluid or tapping grease.



## ACCESSORIES FOR STEEL PUNCH TEES



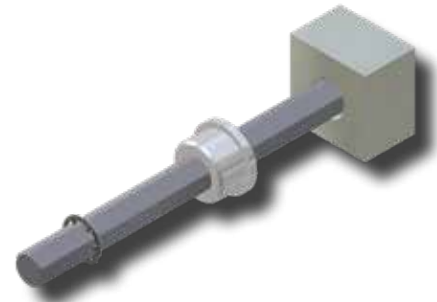
23-3691-00 ~ Drive Key Assembly for 1/2" Body Punch Tees  
23-3692-00 ~ Drive Key Assembly for 3/4" Body Punch Tees



23-0941-00 ~ Drive Key Assembly for 1" Body Punch Tees  
23-0940-00 ~ Drive Key Assembly for 1 1/4" Body Punch Tees



23-1644-00 ~ Test Plug Adapter for 1201 Style 1/2" Body Punch Tees  
23-1645-00 ~ Test Plug Adapter for 1302 Style 3/4" Body Punch Tees



23-0553-01 ~ 5/16" HEX DRIVE KEY, BUSHING AND ADAPTER  
23-0553-00 ~ 3/8" HEX DRIVE KEY, BUSHING AND ADAPTER

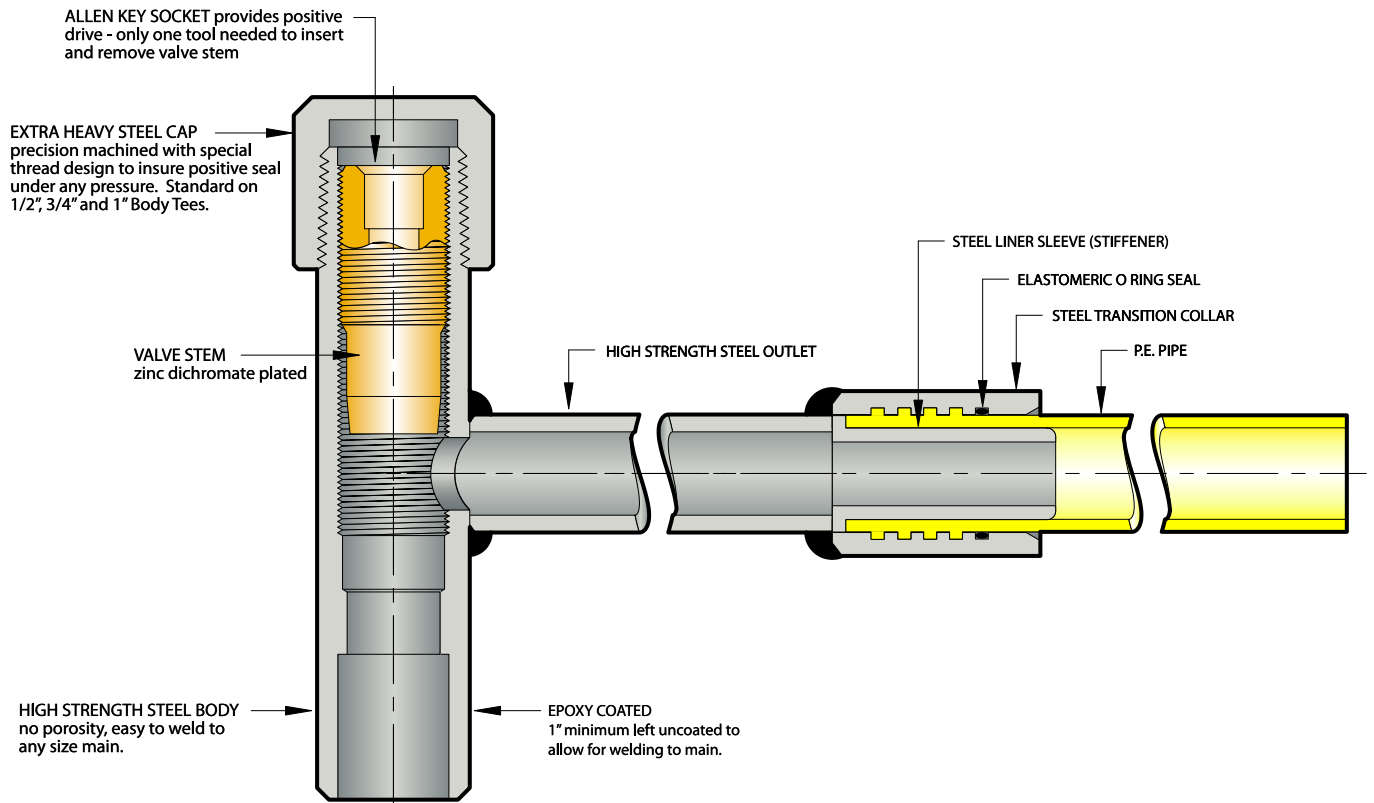
CATALOG NO.	DESCRIPTION
<b>DRIVE KEYS TO BE USED WITH 1/2" BODY PUNCH TEE STYLES: 1201 &amp; 1214</b>	
0000-23-3691-00	5/16" HEX DRIVE KEY, BUSHING AND SOCKET ADAPTER
0000-23-1018-00	REPLACEMENT 5/16" HEX DRIVE KEY FOR 0000-23-3691-00
0000-23-1019-00	REPLACEMENT BUSHING FOR 0000-23-3691-00
0000-23-1020-00	REPLACEMENT SOCKET ADAPTER FOR 0000-23-3691-00
0000-23-1021-00	5/16" HEX DRIVE KEY AND BUSHING ONLY
0000-23-0553-01	5/16" HEX DRIVE KEY, BUSHING AND ADAPTER FOR USE WITH DRESSER'S® 1 1/8" SQUARE RATCHET WRENCH
<b>DRIVE KEYS TO BE USED WITH 3/4" BODY PUNCH TEE STYLES 1302 &amp; 1315</b>	
0000-23-3692-00	3/8" HEX DRIVE KEY, BUSHING AND SOCKET ADAPTER
0000-23-0544-00	REPLACEMENT 3/8" HEX DRIVE KEY FOR 0000-23-3692-00
0000-23-0543-00	REPLACEMENT BUSHING FOR 0000-23-3692-00
0000-23-0542-00	REPLACEMENT SOCKET ADAPTER FOR 0000-23-3692-00
0000-23-0481-00	3/8" HEX DRIVE KEY AND BUSHING ONLY
0000-23-0553-00	3/8" HEX DRIVE KEY, BUSHING AND ADAPTER FOR USE WITH DRESSER'S® 1 1/8" SQUARE RATCHET WRENCH
<b>DRIVE KEYS TO BE USED WITH 1" BODY PUNCH TEE STYLE 1416</b>	
0000-23-0941-00	1/2" SQUARE DRIVE KEY, BUSHING AND SOCKET ADAPTER
0000-23-7236-00	REPLACEMENT 1/2" SQUARE DRIVE KEY FOR 0000-23-0941-00
0000-23-0882-01	REPLACEMENT BUSHING FOR 0000-23-0941-00
<b>DRIVE KEYS TO BE USED WITH 1 1/4" BODY PUNCH TEE STYLE 1517</b>	
0000-23-0940-00	1/2" SQUARE DRIVE KEY, BUSHING AND SOCKET ADAPTER
0000-23-7236-00	REPLACEMENT 1/2" SQUARE DRIVE KEY FOR 0000-23-0940-00
0000-23-0883-01	REPLACEMENT BUSHING FOR 0000-23-0940-00
<b>OTHER ACCESSORIES</b>	
0000-23-1644-00	TEST PLUG ADAPTER FOR 1201 STYLE PUNCH TEES
0000-23-1645-00	TEST PLUG ADAPTER FOR 1302 STYLE PUNCH TEES
0000-08-1554-03	REPLACEMENT O-RING FOR 0000-23-1644-00 TEST PLUG ADAPTER
0000-08-1554-04	REPLACEMENT O-RING FOR 0000-23-1645-00 TEST PLUG ADAPTER





# TRANSITION SAFE-T VALVE TEES

## STEEL SERVICE SAFE-T VALVE TEES WITH PIPE CAP



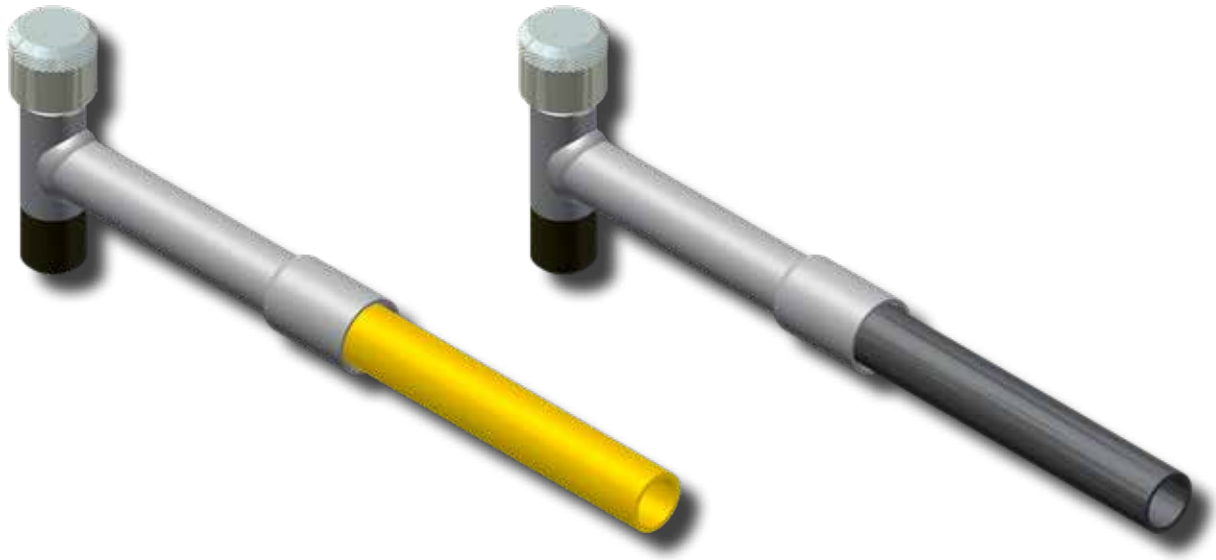
- **A VALVE TEE FOR THE COST OF MOST PLAIN TEES**
- **EASILY INSTALLED WITH ANY STANDARD DRILLING MACHINE**
- **WELDS ARE TESTED TO 450 PSI**
- **AVAILABLE IN WELD OR THREADED INLETS**
- **O-RING SEAL PROVIDES POSITIVE SEAL**
- **EPOXY COATED FOR CORROSION PROTECTION**
- **MECHANICALLY HELD - PROVIDES MAXIMUM PULL-OUT RESISTANCE—tensile strength exceeds requirements of D.O.T., Title 49 of the Code of Federal Regulations, Part 192.283 (b)**
- **AVAILABLE WITH 2406/2708 OR 3408/4710 P.E. EXTENSIONS**
- **CONFORMS TO ASTM D2513, ANSI B31.8 & DOT 192.121**



# TRANSITION SAFE-T VALVE TEES



## 1319, 1420 & 1521 STYLE STEEL TRANSITION SERVICE SAFE-T VALVE TEES Transition Outlets



OUTLET	WALL	INLET	PART NUMBER
1/2" CTS (5/8" OD)	.090	3/4" Weld	1319-10-▲▲04-00
		3/4" Threaded	1319-11-▲▲04-00
		1" Weld	1420-10-▲▲04-00
		1" Threaded	1420-11-▲▲04-00
1" CTS (1 1/8" OD)	.099/.101	3/4" Weld	1319-10-▲▲08-00
		3/4" Threaded	1319-11-▲▲08-00
		1" Weld	1420-10-▲▲08-00
		1" Threaded	1420-11-▲▲08-00
1/2" IPS	SDR-9.33 (.090)	3/4" Weld	1319-10-▲▲12-00
		3/4" Threaded	1319-11-▲▲12-00
		1" Weld	1420-10-▲▲12-00
		1" Threaded	1420-11-▲▲12-00
3/4" IPS	SDR-11 (.095)	3/4" Weld	1319-10-▲▲13-00
		3/4" Threaded	1319-11-▲▲13-00
		1" Weld	1420-10-▲▲13-00
		1" Threaded	1420-11-▲▲13-00
1" IPS	SDR-11 (.119)	1" Weld	1420-10-▲▲14-00
		1" Threaded	1420-11-▲▲14-00
1 1/4" IPS	SDR-10 (.166)	1 1/4" Weld	1521-10-▲▲15-00
		1 1/4" Threaded	1521-11-▲▲15-00

For sizes not listed, contact Continental Industries.

Replace ▲▲ with either 46 for 2406/2708 PE or 44 for 3408/4710 PE.

Pressure rating—Designed to meet or exceed pressure rating of PE pipe per 49 CFR Part 192 and ASTM D2513.

Recommended accessories; 23-0549-00 ~ Adapter and Key for H-17045 Completion Machine (pg 17)

For Protective Sleeves, see page 18.

For additional Accessories, see page 17.



## **ACCESSORIES FOR STEEL VALVE TEES**



**23-0549-00 ~ Adapter & Key Assembly for H-17045 Completion Machine**



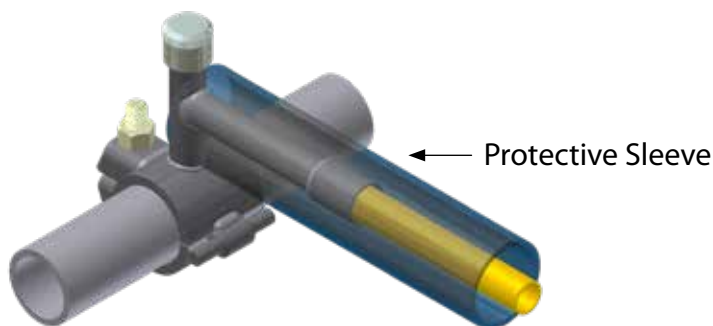


## PE PROTECTIVE SLEEVES



CATALOG NUMBER	DIAMETER		LENGTH	FOR USE WITH CONTINENTAL PRODUCTS		
	INTERNAL	OUTSIDE		STEEL FITTINGS	PA-11 FITTINGS	STAB FITTINGS
44-2585-00	1.370/1.395	1.612	12"			
44-2586-00	1.875/1.915	2.190	12"		3/8" OD & 5/8" OD P.E. Compression O/L's	
44-2587-00	2.375/2.425	2.760	12"	3/8" OD, 5/8" OD P.E. Compression O/L's	1 1/8" OD P.E. Compression O/L's	
44-2588-00	2.375/2.425	2.760	21"	5/8" OD, 1/2" IPS & 3/4" IPS P.E. Transition O/L's		
44-2589-00	2.875	3.270	24"	7/8" OD, 1/2" IPS P.E. Compression O/L's	3/4" IPS & 1" IPS P.E. Compression O/L's	5/8" OD, 7/8" OD, 1 1/8" OD, 1/2" IPS, 3/4" IPS & 1" IPS O/L's
				1 1/8" OD, 1" IPS P.E. Transition O/L's		
44-5753-00	4.250 MIN.	4.760	24"	1 1/8" OD, 3/4" IPS, 1" IPS, 1 1/4" IPS & 1 1/2" IPS P.E. Compression O/L's	1 1/4" IPS P.E. Compression O/L's	1 1/4" IPS & 1 1/2" IPS O/L's
				1 1/4" IPS P.E. Transition O/L's		
44-5754-00	5.200 MIN.	5.820	36"		2" IPS P.E. Compression O/L's	2" IPS O/L's

NOTE: It is advisable to limit shear at main connections. In this regard, your company's policies should be followed. For further information, reference; ASTM D 2774 Standard Practice for Underground Installation of Thermoplastic Pressure Piping; Code of Federal Regulations, Title 49, Transportation Part 192; AGA Plastic Pipe Manual and/or The Guidance Manual for Operators of Small Gas Systems by the U.S. Department of Transportation.



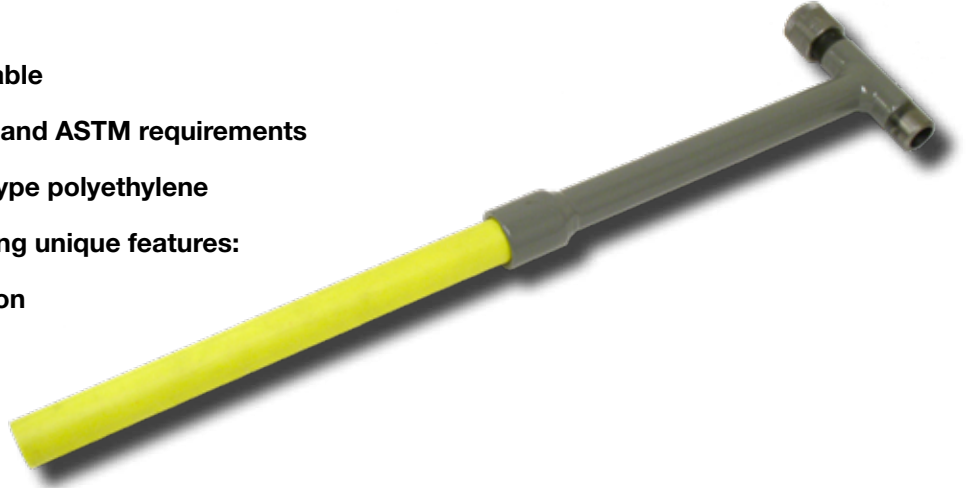


Continental's Transition Punch Tees & Transition Saddle Punch Tees provide the user with the following advantages:

- Cost effective joining method
- No bulky drilling equipment required
- Safe - No blowing of gas
- Two types of punches available
- Meets or exceeds all D.O.T. and ASTM requirements
- Can be furnished with any type polyethylene

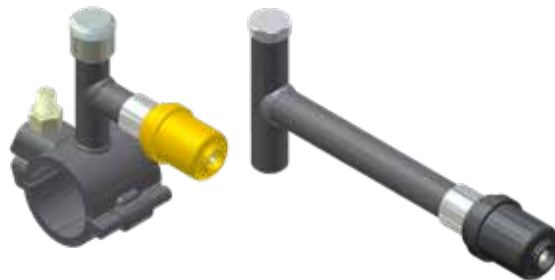
Each Saddle provides the following unique features:

- Rugged all steel construction
- Full saddle wraparound
- Elastomeric O ring seal
- Exclusive hinge design
- Uses single zinc dichromate plated SAE J429 Grade 2 nut and bolt



Continental Industries is an ISO 9001 Certified Company. Continental's Transition Punch Tees and Transition Saddle Punch Tees are manufactured and tested to the following industry standards.

- ASTM D 2513 "Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings"
- ASTM F 1973 "Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) Fuel Gas Distribution"
- ASME B31.8-1995 "Gas Transmission and Distribution Piping Systems"
- D.O.T., Title 49 of the Code of Federal Regulations, Part 192.283 (b) & 192.367



GAS DISTRIBUTION PRODUCTS  
**CON-STAB ID SEAL®**  
FITTINGS



For Con-Stab ID Seal® Transition Outlets, see Continental's "Con-Stab ID Seal® Fittings" Catalog





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