


Valve No.	A		B dia		D		Bend Angle Z
	mm	inches	mm	inches	mm	inches	
JS2	26	1.02	56	2.20	33	1.30	70°

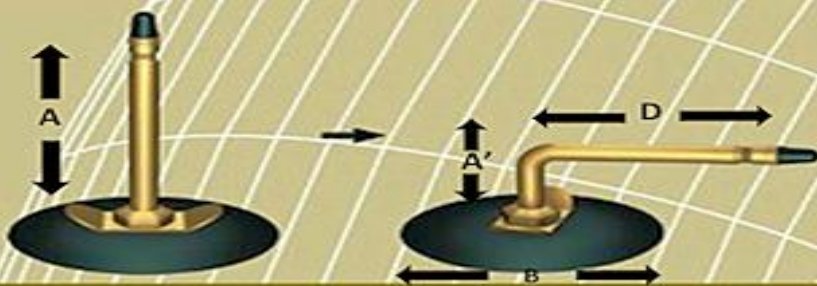
**JS-2**  
 The JS 2 valve stem is a metal stem with a slight bend, approximately 70 degrees. Mainly used in forklift and industrial applications. Over-all length is 2.2" with 1.3" being the straight portion after the bend. The JS 2 valve is primarily used in 2-piece split rims, lock ring wheels and multi-piece wheels. It is not for use in single piece drop center wheels.



Valve No.	A		B dia		E dia
	mm	inches	mm	inches	
TR218A	20.5	0.81	63.5	2.50	
TR220A	30.0	1.18	63.5	2.50	

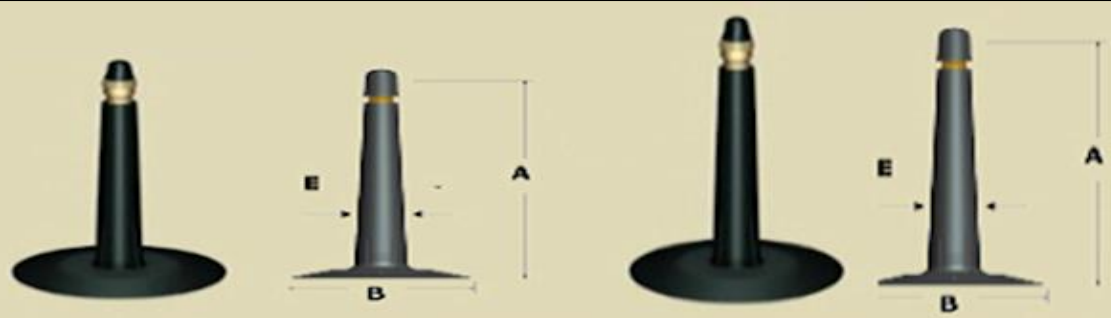
• Valve dimensions can vary slightly according to valve manufacturers.

The TR218A / TR220 is an air/liquid stem used on agricultural tubes, it is approx. 1.8" long overall with core housing. The threaded portion of the TR220A is 1.18" long versus .81" long on the TR218A. Both fit the .625" (5/8") rim hole. The core housing is removable for filling liquid for ballast. Tube is supplied with a plastic or brass rim nut to retain the stem in place on the wheel. The core housing uses a standard bore removable Schrader valve.



Valve No.	A		A'		B dia		D		Bend Angle Z
	mm	inches	mm	inches	mm	inches	mm	inches	
TR75A	95	3.74	24	0.94	82.5	3.25	76	2.99	86°
TR77A	124	4.88	24	0.94	82.5	3.25	105	4.13	86°
TR78A	146	5.75	24	0.94	82.5	3.25	127	5.00	86°
TR175A	134	5.28	24	0.94	82.5	3.25	115	4.53	86°
TR177A	114	4.49	24	0.94	82.5	3.25	95	3.74	86°
TR179A	160	6.30	24	0.94	95	3.74	141	5.55	86°

TR75A, TR77A, TR78A, TR175A, TR177A, TR179A  
 Each is a high-pressure metal stem for split ring medium truck and industrial applications. Each rise .94" out of the tube and then bends approximately 86 degrees. The difference in each one is length after the bend. Each will have either a metal plate or a washer at the stem base to keep the tube from bulging up through the valve slot of the wheel.

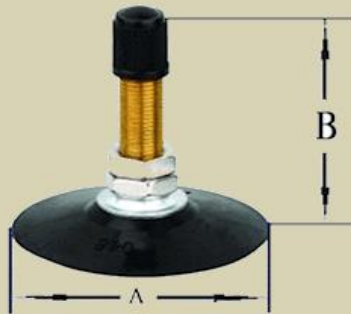


Valve No.	A		B dia		E dia	
	mm	inches	mm	inches	mm	inches
TR135B/TR135CW	66.50	2.60	56.00	2.20	15.50	0.61
TR150A/TR150CW	88.50	3.48	56.00	2.20	15.50	0.61

TR150A /TR135B/TR150CW/TR135CW stem is a rubber covered long stem. The TR150A/TR150CW is approx. 3.48" long used on some classic light truck tubes for dual applications. The TR135B/TR135CW is approx. 2.6" long used on some industrial tubes. They both fit a .625" (5/8") rim hole. The TR150CW/TR135CW are both are for air/liquid application. It is a bendable stem supplied straight. You hand bend to the needed angle. Cold inflation 100 PSI. Be careful bending, you can break the brass tube inside ruining the tube.

VALVE	A – mm Stem Length	A – Inches Stem Length	B Dia. – mm Base	B Dia. – Inches Base
TR4	34.50	1.36	45.00	1.77
TR6	35.50	1.40	68.00	2.68

The TR4 or TR6 is a threaded metal stem with two nuts and a washer. It is used primarily on ATV tubes. The only difference between the two length is the TR4 is a bit shorter than the TR6. Use with .333" / .453" diameter rim holes. ATV applications use the threaded to lock valve to wheel due to the low air pressure. The threaded stem is necessary to keep the stem from pulling back inside the wheel as the tire flexes. Both nuts and washer go on the outside of the wheel. The first nut is finger tightened only; the second nut is used as a jamb nut to lock the first nut in place. Maximum inflation is 60 psi.

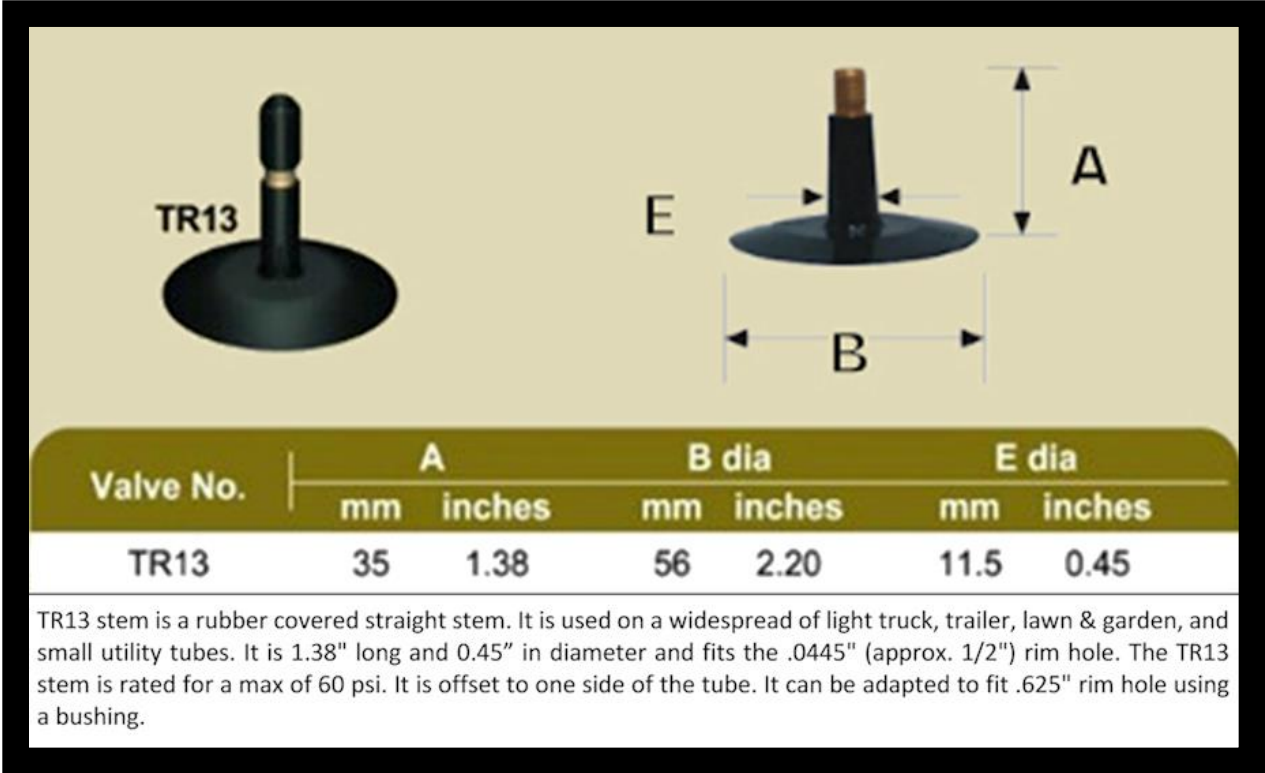


TR87



Valve No.	A		B dia		D		Bend Angle Z
	mm	inches	mm	inches	mm	inches	
TR87	15	0.59	45	1.77	33	1.30	90°

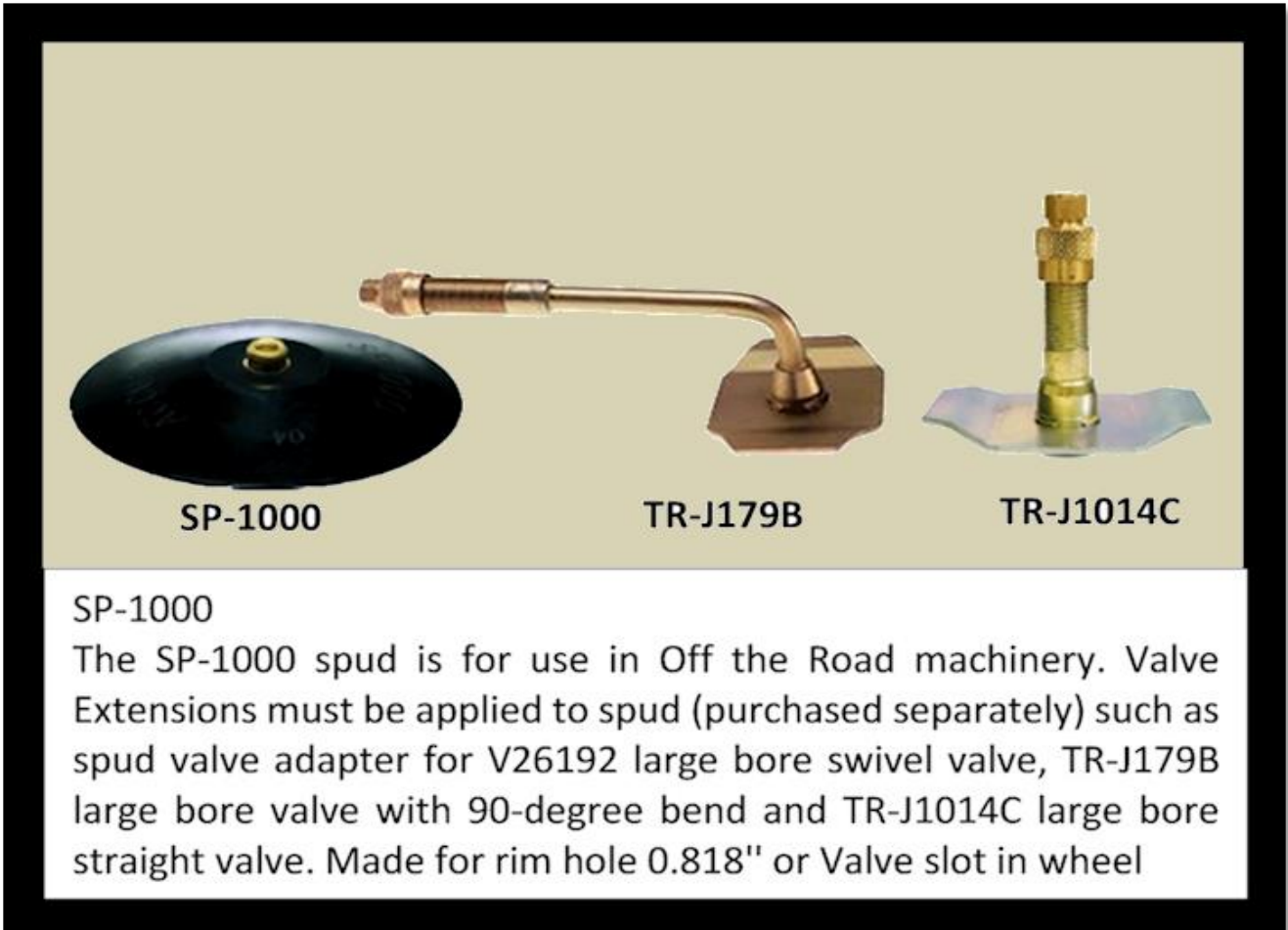
The TR87 is a bent metal stem. It is used on small utility, lawn & garden, and industrial tubes. It fits the .453" (approx. 1/2") rim hole and will point out sideways from the direction of tire rotation. The TR87 is rated for a max of 150 psi. The TR87 stem is typically used on multi-piece wheels. On 4" thru 6" wheels it is often used on one-piece wheels where extra stem clearance is needed for the wheel spindle or between wheel mounting forks. When installed in small one-piece wheels the end of the stem lays right up against the lip of the wheel for clearance



The diagram shows a TR13 valve stem with dimensions A (height), B (base diameter), and E (stem diameter). Below it is a table with the following data:

Valve No.	A		B dia		E dia	
	mm	inches	mm	inches	mm	inches
TR13	35	1.38	56	2.20	11.5	0.45

TR13 stem is a rubber covered straight stem. It is used on a widespread of light truck, trailer, lawn & garden, and small utility tubes. It is 1.38" long and 0.45" in diameter and fits the .0445" (approx. 1/2") rim hole. The TR13 stem is rated for a max of 60 psi. It is offset to one side of the tube. It can be adapted to fit .625" rim hole using a bushing.



The image displays three valve components: SP-1000 (a spud), TR-J179B (a 90-degree bend valve), and TR-J1014C (a straight valve).

**SP-1000**  
 The SP-1000 spud is for use in Off the Road machinery. Valve Extensions must be applied to spud (purchased separately) such as spud valve adapter for V26192 large bore swivel valve, TR-J179B large bore valve with 90-degree bend and TR-J1014C large bore straight valve. Made for rim hole 0.818" or Valve slot in wheel



Valve No.	A		B		C		D dia.		Bend Angle Z
	mm	inches	mm	inches	mm	inches	mm	inches	
TRJ1175C	35	1.38	105	4.13					88°

The TR-J1175C is mainly used in Off the Road applications. The valve has a height to bend of 1.38 inches. At the bend to the end is approx. 4.13" in length. The base width is 1.25 inches. The valve is bent at approx. 88 degrees.

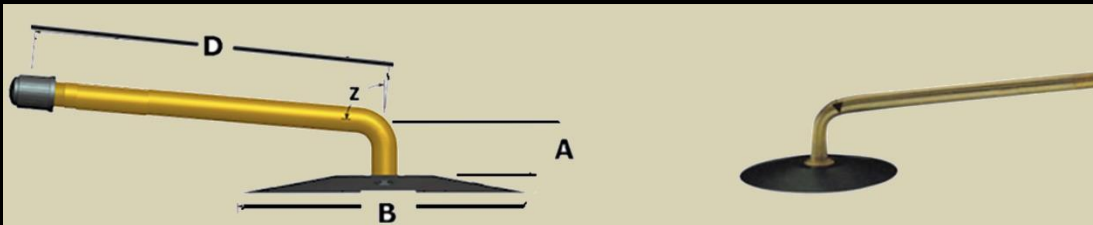
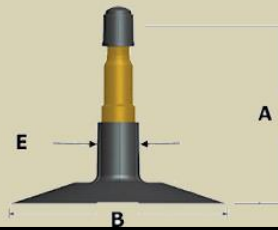


Valve No.	A		B dia		E dia	
	mm	inches	mm	inches	mm	inches
TR15	35	1.38	56	2.20	16.5	0.65

TR15 stem is a rubber coated valve that is used in farm implements, skid steers and more. Valve is 1.38" long and fits a 5/8" (.625) valve hole in wheel. Rated for 60 psi and is for use in wheels with an offset valve hole.

VALVE	A - mm Stem Length	A -Inches Stem Length	B Dia. - mm Base	B Dia. Inches Base	E Dia. - mm Stem	E Dia. Inches Stem
TR300	57.91	2.28	71.12	2.80	15.49	0.61

The TR300 is a high-pressure stem used some truck and trailer applications. It fits a 0.618 or 0.633" (5/8") rim hole. The valve stem is 2.28" long and 0.61" in diameter. It is used primarily in tires with air pressure up to 150 psi. Typically found on tubes used on drop center wheels with half inch increments in rim diameter.

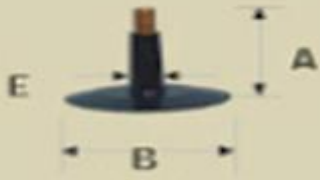



VALVE NO#	A mm	A inches	B Diameter mm	B Diameter inches	D Diameter mm	D Diameter inches	Equal
TR440	24.00	0.94	82.50	3.25	76.00	2.99	TR75A
TR441	24.00	0.94	82.50	3.25	95.00	3.74	TR177A
TR442	24.00	0.94	82.50	3.25	105.00	4.13	TR77A
TR443	24.00	0.94	82.50	3.25	115.00	4.53	TR175A
TR444	24.00	0.94	82.50	3.25	127.00	5.00	TR78A
TR445	24.00	0.94	95.00	3.74	141.00	5.55	TR179A

TR440, TR441, TR442, TR443, TR444, TR445


Each is a high-pressure metal stem for split ring medium truck and industrial applications. Each rise .94" out of the tube and then bends approximately 90 degrees. The difference in each one is length after the bend. Each will have either a metal plate or a washer at the stem base to keep the tube from bulging up through the valve slot of the wheel.


**TR13CW**






**TR15CW**



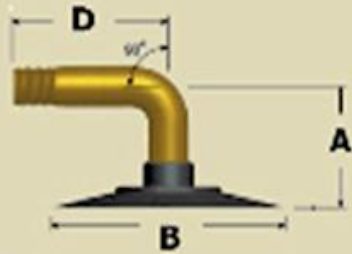


Valve No.	A		B dia		E dia	
	mm	inches	mm	inches	mm	inches
TR13	35	1.38	56	2.20	11.5	0.45
TR15	35	1.38	56	2.20	16.5	0.65

TR13CW / TR15CW is a rubber covered air/liquid type valve designed for front farm implement and industrial applications. Valve is same as TR15/TR13 but is made for use with liquid ballast and high pressure. Two identification rings near top of rubber stem. Rim hole for a TR15 is 0.618/0.633" Rim hole for a TR13 is 0.445 / 0.461 Can be used in application that requiring maximum cold inflate pressure of 150 PSI.



**TR87P**



Valve No.	A		B dia		D		Bend Angle Z
	mm	inches	mm	inches	mm	inches	
TR87P	15	0.59	45	1.77	33	1.30	90°

Same as the TR87 except the P means parallel. Rather than stick out sideways as the normal TR87 the end is turned in line with the direction the tire rotates. Adding clearance for wheels with a shaft using wheel mounting forks.

## **NOTES**