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# **SUPPLEMENTARY SECTION**

## **SUPPLEMENTARY INFORMATION**

This sub-section includes technical data and recommendations for obsolescent or old designs, which are produced only for very limited applications and quantities.

Availability of such tyres, rims and valves must not be assumed at all times. Users are requested to check directly with the manufacturers.

**TYRES FOR TRUCKS, BUSES AND TRAILERS FOR USE IN NORMAL HIGHWAY SERVICE**  
(Diagonal Ply)  
General Data

**TABLE S-01**

TYRE SIZE DESIGNATION	RIM Rec. Alt.	NEW TYRE – INFLATED						TYRE IN SERVICE		MINIMUM RECOMMENDED DUAL SPACING*	TUBE VALVE IS Ref. (TR No.) (See Page S-22)	FLAP CODE	
		Design Section Width	Min. Section Width	Max. Overall Width	Design Overall Dia.		Min. Overall Dia.	Max. Overall Dia.	Max. Overall Width				Max. Overall Dia.
					Std. mm	Prem. mm							
7.00-20	5.5	199	193	209	904	—	892	—	924	—	231	20KM	
	5.0	194	188	204									215

\*The Recommended Dual Spacing is calculated on the max. grown tyre sectional dimensions on the applicable rims and include the width increment due to tyre deflection.

Availability of unlimited variety of rim/wheel offsets or half dual spacing is assumed. Exceptions to the formula - derived spacing may be necessary where such offsets become the determining factor or operating conditions demand adjustment. If tyre chains are used between twins, extra spacing will be required.

**TYRES FOR TRUCKS, BUSES AND TRAILERS FOR USE IN HIGHWAY SERVICE**  
(Diagonal Ply)

Load and Inflation Pressure Limits (Single & Dual) Maximum Speed 100 kmph

**TABLE S-02**

TYRE SIZE DESIGNATION	PLY RATING	FITMENT	COLD INFLATION PRESSURES (kPa)															
			MAXIMUM LOAD PER TYRE (kg)															
			380	415	450	485	515	550	585	620	655	690	725	760	795	825		
7.00-20	10	Single	1025	1085	1150	1210	1265	1325	1375	1430								
		Dual	1005	1060	1110	1160	1205	1250										

**COMMERCIAL VEHICLE AND EM TYRES ON FORKLIFT**

Truck Applications: Single And Dual Fitments  
(Diagonal Ply)

**TABLE S-03**

<b>PERMISSIBILITY OF LOADS AND TYRE INFLATION FOR THE APPLICATIONS IS UNDER ISO REVIEW. BEFORE A FINAL SELECTION OF TYRE SIZE/PR/RIM -WHEEL IS MADE OR OFFERED, IT IS NECESSARY TO HAVE THE TYRE AND/OR RIM MANUFACTURER'S TECHNICAL APPROVAL OF THE APPLICABILITY OF THE LOAD/INFLATION PRESSURES. (See Notes 2 &amp; 3).</b>						
TYRE SIZE DESIGNATION	PR	MAXIMUM LOAD CAPACITY (kg) with FORK - LIFT TRUCKS				INFLATION PRESSURE (kPa) (See NOTE 2)
		Upto 25 km/h		Upto 40 km/h		
		Load Wheels	Steering Wheels	Load Wheels	Steering Wheels	
7.50-20CV	10	3335	2755	3335	2560	650
	12	3875	3200	3875	2975	850
8.25-20CV	12	4030	3330	4030	3090	650
	14	4400	3675	4400	3375	850
9.00-20CV	12	4815	3980	4815	3700	700
	14	5375	4450	5375	4125	900
10.00-20CV	14	5450	4540	5450	4225	750
	16	6000	5000	6000	4650	900
11.00-20CV	14	6000	5000	6000	4650	750
	16	6500	5425	6500	5050	900
12.00-20CV	16	6600	5500	6600	5125	750
	18	7500	6250	7500	5800	900
14.00-20CC	18	9000	7500	9000	6975	700
	20	9500	7925	9500	7365	800
	22	10000	8350	10000	7750	900
14.00-24EM	18	10000	8350	10000	7750	700
	22	11000	9175	11000	8525	900

**Tyre Dimensions and Recommended rims - See Tables 2-01, S-05 and 8-01A.  
CV = Commercial Vehicle. EM = Earthmover (Off-The-Road).**

**For EARTHMOVER TYRES LARGER THAN 14.00-24 used on FORK - LIFT TRUCKS with a maximum speed capability upto 40 km/h and operating on improved surfaces, the following max. load capacities are permitted:**  
**LOAD WHEELS : 125% of the tyre loads at 8 km/h**  
**STEERING WHEELS : 125% of the tyre loads at 16 km/h**  
**FOR DRIVE AWAY REQUIREMENT See Pages 8-07 and 8-08.**

**NOTES :**

- The speeds in the above table are the maximum speed capability of the forklift truck.
- Strict maintenance of the relatively high tyre inflation pressure is essential for structural safety of tyres. (Range for IP. – O, + 15%)
- Strength wise suitability of the rim/wheels for the recommended inflation pressure/loads is to be obtained from the rim - wheel manufacturer.

**TRUCK TYRES FOR COMMERCIAL VEHICLES AND TRAILERS USED IN Highway Service At Restricted Speeds (Diagonal Ply) General Data**

**TABLE S-04**

TYRE SIZE DESIGNATION	RIM Rec. Alt.	NEW TYRE – INFLATED					TYRE IN SERVICE		MINIMUM REC. DUAL SPACING	TUBE VALVE IS Ref. (TR No.)	FLAP CODE	
		Design Section Width	Min. Section Width	Max. Overall Width	Design Overall Dia.	Min. Overall Dia.	Max. Overall Dia.	Max. Overall Width				Max. Overall Dia.
14.00-20 CV	10.00V 10.00W	375	364	394	1241	1219	1278	405	1292	435	ALG 5.82 (TR 179A)	20V

**TRUCK TYRES FOR COMMERCIAL VEHICLES AND TRAILERS USED IN Highway Service At Restricted Speeds (Diagonal Ply) Loads and Inflation Pressures. Maximum Speed 80 km/h**

**TABLE S-05**

TYRE SIZE DESIGNATION	PR	FITMENT	COLD INFLATION PRESSURES (kPa)															
			380	415	450	485	515	550	585	620	655	690	725	760	790*	830*	860*	
14.00-20 CV	18	Single	3110	3310	3500	3685	3860	4035	4200	4360	4520							
		Dual	3070	3230	3390	3540	3685	3825	3965									
	20	Single	3110	3310	3500	3685	3860	4035	4200	4360	4520	4670	4815	4970				
		Dual	3070	3230	3390	3540	3685	3825	3965	4095	4230	4360						
	22	Single	3110	3310	3500	3685	3860	4035	4200	4360	4520	4670	4815	4970	5115	5255	5390	
		Dual	3070	3230	3390	3540	3685	3825	3965	4095	4230	4360	4485	4610	4730			

Load/Speed relationship - Variation in loads for lower speeds below 80 km/h - See Page 2-29 Table 2-23.

\* The load and inflation pressure imposed on a rim or wheel must not exceed the rim - wheel manufacturer's recommendations even though the tyre of a size and ply rating designated to assure proper mounting and fit on the rim may be approved for a higher load and inflation. Consult rims manufacturer to ensure that the rim/wheel is of sufficient strength for the loads and service intended.

**LOW LOADER TYRE  
(Diagonal Ply)**
**General Data**
**TABLE S-06**

TYRE SIZE DESIGNATION	RIM Rec. Alt.	NEW TYRE -- INFLATED						TYRE IN SERVICE		TUBE VALVE IS Ref. (TR No).	FLAP CODE
		Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm		
8.25-15	6.0, / 6.00T 5.00S	<u>229</u> 219	<u>222</u> 212	<u>240</u> 230	836	822	859	<u>247</u> 237	868	<u>A B4 5 82</u> (TR 177A) DBV	15M

Recommended Dual Spacing: 266mm for 6.0/6.00T; 256mm for 5.00S rim.  
 Double bend valves (DBV) are normally supplied. (See page V-26)  
 Availability of special bent valve, if essential, may be checked with the tyre manufacturer.

**LOW LOADER TYRES  
(Diagonal Ply)**
**Load and Inflation Pressure Limits**
**TABLE S-07**

TYRE SIZE DESIGNATION	PR	COLD INFLATION PRESSURES (kPa)								
		345	380	415	450	485	515	550	585	620
		MAXIMUM LOAD CAPACITY PER TYRE (kg)								
8.25-15	14	915	990	1065	1145	1220	1320	1370	1420	1475

**THE DATA APPLY TO DRIVEN OR TRAILING WHEELS AT NORMAL HIGHWAY SPEEDS.**  
 For use with Low Platform Trailers on highways at speeds upto 30 km/h, Max. Load per tyre may be increased to 1850 kg @ 620 kPa (90 PSI)  
 Consult tyre manufacturer for confirmation of the load capacity of tyre for trailer applications if any higher speed capability towing unit is intended to be used.

**PASSENGER CAR TYRES**  
**(Diagonal Ply)**  
 "88" Low Section Series  
 For Speeds not exceeding 120 km/h  
 General Data & Load Inflation Pressure Limits

**TABLE S-08**

TYRE SIZE DESIGNATION	PR	RIM Rec. Alt.	NEW TYRE – INFLATED						TYRE IN SERVICE		COLD INFLATION PRESSURES (kPa).						TUBE VALVE IS Ref. (TR No.) Refer Page V-20	
			Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm	125	140	150	165	180	195		210
7.25-13	6	5 J 5½ J	184 189	177 182	195 200	654	644	677	201 206	680	395	425	455	485	505	525	545	B 35.3.57 (TR 13)
7.00-14	6	5 J 5½ J	178 183	171 176	189 194	668	659	690	194 199	693	370	405	440	475	500	525	545	B 35.3.57 (TR 13)
7.50-14	6	5½ J 6 J	190 195	182 187	201 206	688	678	711	207 212	715	445	475	500	525	550	575	600	B 35.3.57 (TR 13)

**NOTE 1:** Group -marking of Tyres - If, for commercial reasons, two or more sizes near enough to one another are grouped without deviating from the tyre dimensional limits for the individual sizes, the principal (mould) size is to be prominently displaced on the sidewalls, with the subsidiary marking within brackets.

**NOTE 2:** For Tubeless Tyre Valves - See page V-22



**16" RIM DIA. PASSENGER CAR TYRES  
(Diagonal Ply)**

**General Data and Load/Inflation Pressure Limits**

**TABLE S-09**

TYRE SIZE DESIGNATION	PR	RIM Rec. Alt.	NEW TYRE -- INFLATED						TYRE IN SERVICE					COLD INFLATION PRESSURES (kPa).					IS Ref. (TR No.) See Page V-20
			Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall I Dia. mm	Min. Overall I Dia. mm	Max. Overall I Dia. mm	Max. Overall Width mm	Max. Overall I Dia. mm	LOAD CAPACITIES PER TYRE (kg)								
											125	140	150	165	180	195	210		
5.00/5.25-16	6	4J 3,00D	143 133	137 127	152 142	682	674	701	156 146	704	270	300	325	350	380	405	—	B.35.5.57 (TR 15*)	

NOTE 1: For dual-size marked tyres, the section underlined denotes the use of a mould for the tyre sectional size designation.  
\* If valve (B 35 7 57) TR 13 is used, a ferrule is to be fitted to make up for the bigger rim valve hole dia. existing in rims of 16 and larger Nominal dia. NOTE 2: Permissible Rims: 5.75/6.00-16 on 4.50E. Design New Tyre Section and all other data same as those for 4 ½ J rim.

**17" RIM DIA. PASSENGER CAR TYRES  
(Diagonal Ply)**

**General Data and Load / Inflation Pressure Limits**

**TABLE S-10**

TYRE SIZE DESIGNATION	PR	RIM Rec. Alt.	NEW TYRE -- INFLATED						TYRE IN SERVICE					COLD INFLATION PRESSURES (kPa).					IS Ref. (TR No.) See Page V-20 (See NOTE 1)
			Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall I Dia. mm	Min. Overall I Dia. mm	Max. Overall I Dia. mm	Max. Overall Width mm	Max. Overall I Dia. mm	LOAD CAPACITIES PER TYRE (kg)								
											165	180	195	210	220	235	250		
4.50-17	6	2.50	123	118	130	681	674	698	134	701	250	275	295	320	345	370	395	B.35.4.57 (TR)	

NOTE 1: For flat Base rims, use valve TR. 25 (Page S-20).



**CONVENTIONAL SECTION PASSENGER CAR TYRES  
(Diagonal Ply)**

**General Data and Load/Inflation Pressure Limits**

**TABLE S-11**

TYRE SIZE DESIGNATION	PR	RIM <u>Rec.</u> /Alt.	NEW TYRE -- INFLATED						TYRE IN SERVICE							COLD INFLATION PRESSURES (kPa).							TUBE VALVE IS Ref. (TR No.) (See NOTE)			
			Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm	125	140	150	165	180	195	210	220	250							
																				LOAD CAPACITIES PER TYRE (kg)						
5.50-16	6	4.50E 4.00E	156 151	150 145	165 160	694	685	716	170 165	719	290	305	330	355	380	405										B 35.557 (TR 15)
5.25/ <u>5.50</u> -17	6	3.25	151	145	160	739	730	764	165	767			405	430	460	490	510	560								B 35.557 (TR 15)
5.25/ <u>5.50</u> -18	6	3.25	145	139	154	766	757	791	159	795			355	380	405	430	460	510								B 35.557 (TR 15)
4.50/ <u>4.75</u> / <u>5.00</u> -19	6	2.75	131	126	139	752	744	777	143	780			280	305	330	355	380	430								B 35.557 (TR 15)

For dual or triple-size marked tyres, the section underlined denotes the nominal tyre (mould) size.

Wherever valve B 35 4 57 (TR 14) is specified, B 49 5 57 (TR 25) should be used for flat base rims, if required instead of the DC rims.

**PASSENGER CAR TYRES**  
(Diagonal Ply)  
'88' & '82' Series Low Section (LS) and Super Low Section (SLS)  
General Data and Load/Inflation Pressure Limits

TABLE S-12

TYRE SIZE DESIGNATION	PR	RIM <u>Rec.</u> /Alt.	NEW TYRE -- INFLATED						TYRE IN SERVICE						COLD INFLATION PRESSURES (kPa).						TUBE VALVE
			Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm	125	140	150	165	180	195	210	IS Ref. (TR No.) (See NOTE)			
																			LOAD CAPACITIES PER TYRE (kg)		
7.75-14 '82' SLS	6	<u>5½JK</u> 5JK	198 193	190 185	210 205	670	661	695	216 211	698	435	465	500	535	565	590	610	B.35.7.57 (TR13)			
8.00-14 '88' LS	6	<u>6JK, 6K</u> 5½ JK	<u>203</u> 198	195 190	<u>215</u> 210	702	692	726	<u>221</u> 216	730	450	490	535	600	630	655	B.35.7.57 (TR13)				

Permissible Rims: 'J' contour rims are approved where 'JK' contour is indicated above.

NOTE 1: Group-marking of Tyres - If, for commercial reasons, two or more sizes near enough to one another are grouped without deviating from the tyre dimensional limits for the individual sizes, the principal (mould) size is to be prominently displayed on the sidewalls, with the subsidiary marking within brackets.

NOTE 2: Tubes having valve TR13 should be made up with a ferrule onto the valve for use with any old design rim with valve hole 15.0 mm dia. for TR 15 Valve (See Page V-20).

NOTE 3: Tubeless tyre valves - See Page V-22

**TEMPORARY USE SPARE CAR TYRES**  
**General Data and Load/Inflation Pressure Limits**  
**For Speeds not exceeding 80km/h and Distance not exceeding 80 km**

TABLE S-13

TYRE SIZE DESIGNATION	RIM	NEW TYRE -- INFLATED						TYRE IN SERVICE		MAXIMUM LOAD & INFLATION PRESSURES
		Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm	
T135/70R12	4 J	138	133	145	498	490	504	146	506	665 kg @ 450 kPa
S135/70R12	4 J	138	133	145	498	490	504	146	506	330 kg @ 250 kPa

**SCOOTER TYRES – METRIC SIZES SERIES (Diagonal Ply)**  
 General Data and Load/Inflation Pressure Limits

**TABLE S-14**

TYRE SIZE DESIGNATION, LOAD INDEX & SPEED RATING	RIM	NEW TYRE INFLATED						TYRE IN SERVICE		SLR	RC	TUBE VALVE CODE IS Ref. ETRTO No. See page V-18	TYPE	COLD INFLATION PRESSURES (kPa)					
		Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm					110	140	165	195	220	250
100/90-12.53L	2.50	101	97	108	485	480	498	109	499	230	1445	A 47.2 45 V1.08.1	Std.	128	147	162	179	192	206

**TYRES FOR SCOOTER DERIVATIVES (Diagonal Ply)**  
 General Data

**TABLE S-15**

TYRE SIZE DESIGNATION See NOTE 1	RIM	NEW TYRE -- INFLATED						TYRE IN SERVICE		SLR	RC	TUBE VALVE IS Ref. ETRTO/TR No. See Pages V-18 and V-20
		Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm			
3.50-10	2.50	92	88	97	437	431	453	99	455	205	1286	A 40.2 45 (V1.08.3)

**TYRES FOR SCOOTER DERIVATIVES (Diagonal Ply)**  
 Normal Road Service (Speed Symbol 'E')  
 Loads and Inflation Pressure Limits

**TABLE S-16**

TYRE SIZE DESIGNATION	PR	Load Index	COLD INFLATION PRESSURES (kPa)					MAXIMUM LOAD PER TYRE (kg)							
			205	235	260	290	315	345	370	400	425	450	475	500	
3.50-10	6	74	190	215	235	260	285	305	330	350	375				



**MOPED TYRES (RIM DIAMETER CODE MORE THAN 12)**

(Diagonal Ply)

Speed Symbol 'B'

General Data and Load/Inflation Pressure Limits

**TABLE S-17**

TYRE SIZE DESIGNATION (See Note 3)	TYPE (See Note 1)	LOAD INDEX	RIM	NEW TYRE -- INFLATED						TYRE IN SERVICE		SLR mm	RC mm	MAX. LOAD CAPACITY (See Note 2) kg	MAX. IP kPa	TUBE VALVE IS Ref. (See Note 6)
				Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm					
1 3/4-19	Std.	20	1.20	50	48	53	589	586	596	54	597	284	1779	80	250	A 29 1 32
	Reinf.	33		55	53	58	670	667	678	59	679	324	2023	115	275	
2-22	Std.	26	1.35	62	60	65	532	528	541	67	542	258	1607	95	250	A 29 1 32
	Reinf.	37		68	65	71	625	621	635	73	636	298	1888	128	275	
2 1/4-16	Std.	26	1.50	68	65	71	625	621	635	73	636	298	1888	121	250	A 29 1 32
	Reinf.	37		68	65	71	625	621	635	73	636	298	1888	165	275	
2 1/2-19	Std.	35	1.60	68	65	71	625	621	635	73	636	298	1888	121	250	A 29 1 32
	Reinf.	45		68	65	71	625	621	635	73	636	298	1888	165	275	

**WHEEL-BARROW TYRES**

Max. Speed 15 km/h

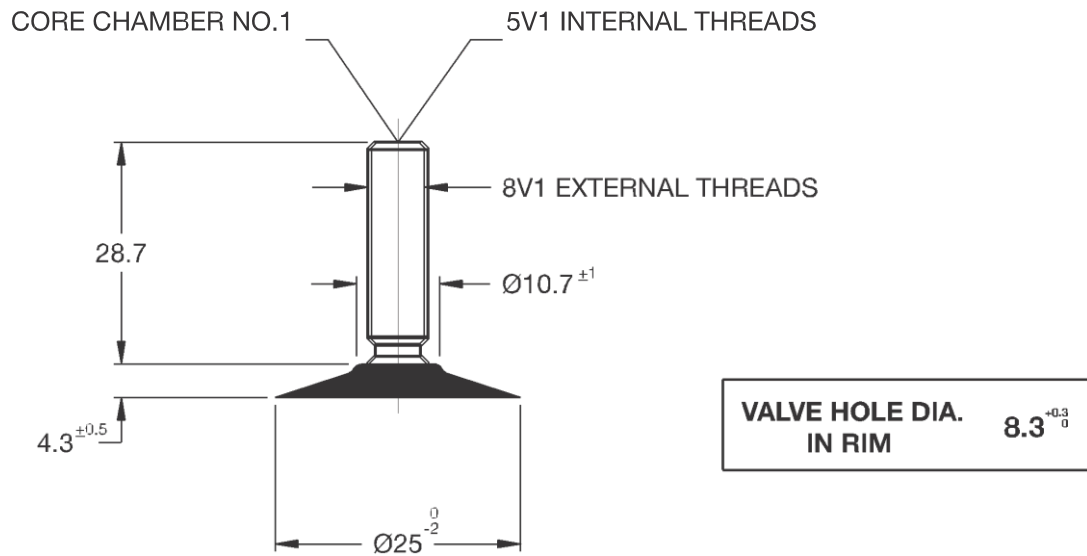
General Data

**TABLE S-18**

TYRE SIZE DESIGNATION	TYPE	RIM	NEW TYRE -- INFLATED						TYRE IN SERVICE		MAXIMUM LOAD CAPACITY		TUBE VALVE IS Ref. (See page V-15)	
			Design Section Width mm	Min. Section Width mm	Max. Overall Width mm	Design Overall Dia. mm	Min. Overall Dia. mm	Max. Overall Dia. mm	Max. Overall Width mm	Max. Overall Dia. mm	Load Per Tyre kg	IP kPa		
16 x 4 (4.00-8)	Standard	2.125WB (See Note)	103	100	109	414	408	425	425	112	431	355	415	A 29 1 45
16 x 4 (4.00-8)	Extra Heavy	2.125WB (See Note)	103	100	109	414	408	425	425	112	431	430	515	A 29 1 45

NOTE: If required for fitment to 2.50 x 8 Divided type rim, consult tyre manufacturer for tubes with a suitable valve.

## RUBBER BASE TUBE VALVE - MOPED



VALVE CODE	ACCESSORIES - TR CODE		RIM NUT
	CORE	CAP	
IS			
A 29 1 25	C1 SHORT	VC2 VC3 VC8	63

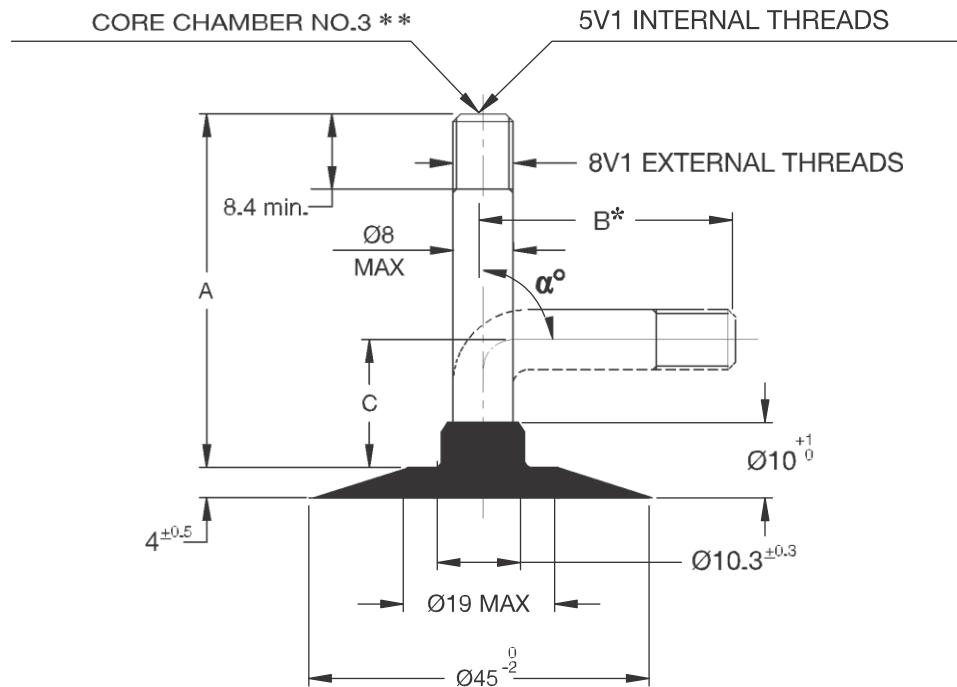
**NOTES :**

THE VALVE CODE A 29 1 25 WAS ALSO EARLIER KNOWN AS 4116C.

THE EFFECTIVE LENGTHS OF STEM OR RUBBERISED VALVE ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

## RUBBER BASE TUBE VALVE - MOTOR SCOOTER, MOTOR SCOOTER DERIVATIVES & SCOOTER DERIVATIVES



STRAIGHT SHAPED RUBBER  
BASE (SS)

SUPPLIED IN STRAIGHT FORM

VALVE CODE		A	B	C <sup>0/2</sup>	α <sup>2</sup>	ACCESSORIES - TR CODE	
IS	ETRTO					CORE	CAP
A 47 2 45	V1 8 1	47	33	17	9	C1 SHORT	VC2
A 4 2 45	V1 8 3	4	25	15	55		VC3

NOTES: \*THESE DIMENSIONS RESULTS APPROXIMATELY FROM OTHER DIMENSIONS.

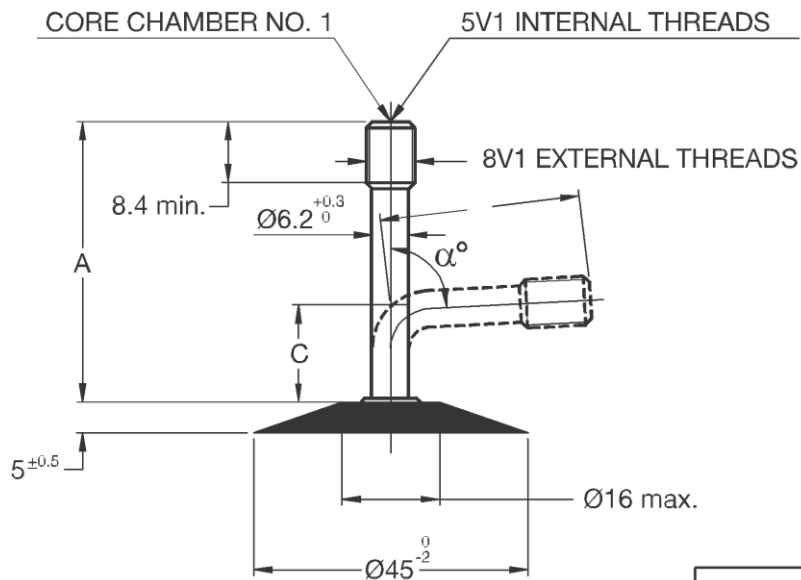
THE EFFECTIVE LENGTH OF STEM OR RUBBERISED  
VALVE ARE ALLOWED A TOLERANCE OF +1, -2MM

\*\* ACCOMMODATES SHORT CORE ONLY

ALL DIMENSIONS ARE IN MILLIMETRES



## RUBBER BASE TUBE VALVES (OLD TYPE) - SCOOTER



<b>VALVE HOLE DIA. IN RIM</b>	<b>8.3<sup>+0.3</sup><sub>0</sub></b>
-----------------------------------	---------------------------------------

SUPPLIED IN STRAIGHT FORM

VALVE CODE	A	B <sup>4</sup>	C <sup>0/2</sup>	α <sup>2</sup>	ACCESSORIES - TR CODE	
					CORE	CAP
IS						
A 41 1 45	41	35	6 4	55	C1 SHORT	VC2
A 5 1 45	49 6	39	11	75		VC3
						VC8

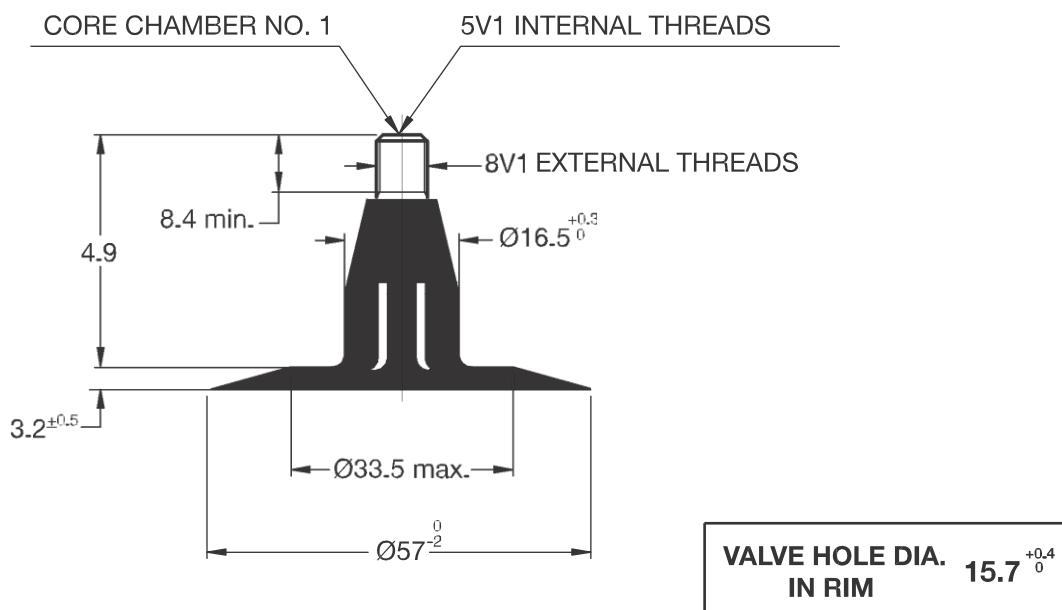
**NOTES :**

1. THE ABOVE VALVES ARE BEING PROGRESSIVELY REPLACED BY V1. 08. 1 AND V1. 08. 3
2. THE VALVE CODES A 41 1 45 AND A 50 1 45 WERE ALSO EARLIER KNOWN AS 4016 DT AND 4019 CT RESPECTIVELY.

THE EFFECTIVE LENGTHS OF STEMS OR RUBBERISED VALVES ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

**RUBBER COVERED TUBE VALVES - PASSENGER CAR, MOTOR SCOOTER DERIVATIVES, FRONT/REAR TRACTOR, LIGHT TRUCK, TRACTOR IMPLEMENT, ANIMAL DRAWN VEHICLES & FORK LIFT**



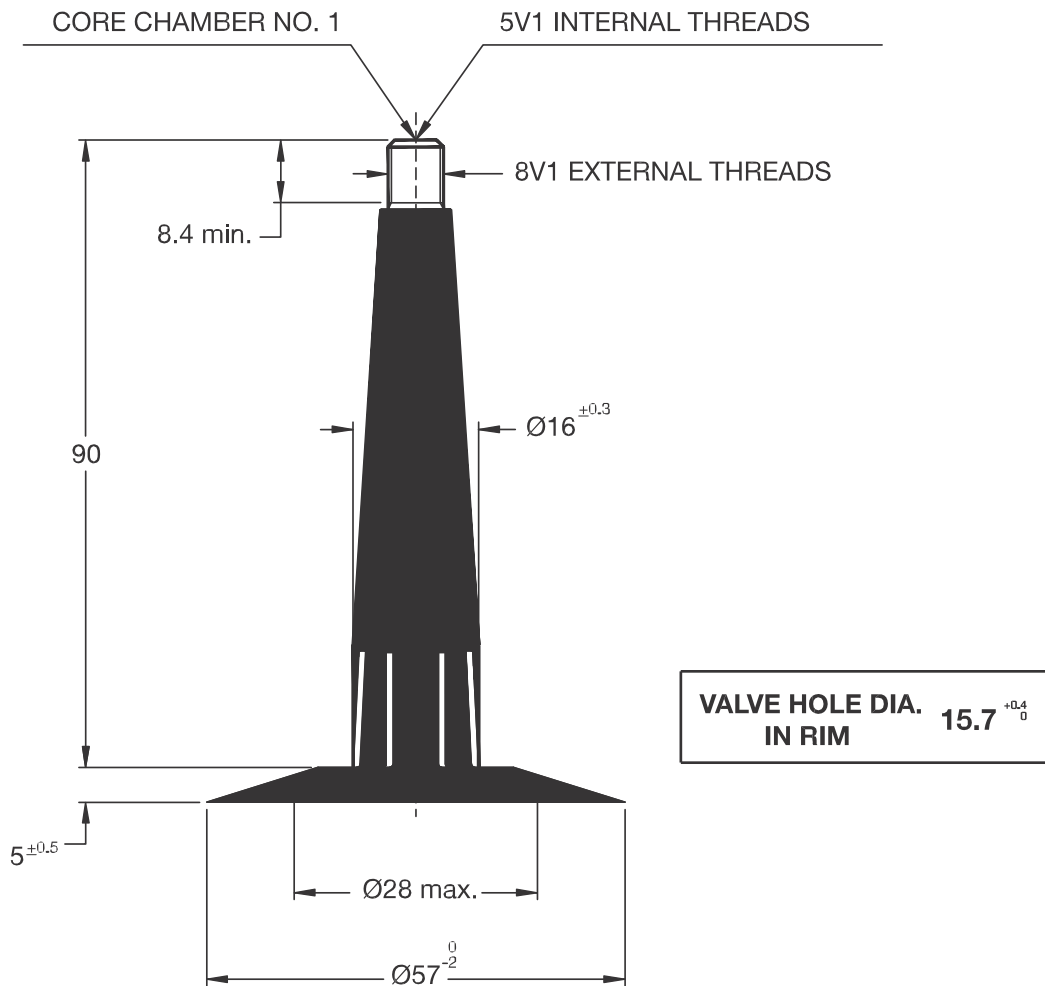
VALVE CODE		ACCESSORIES - TR CODE	
TR NO	IS	CORE	CAP
TR 25	B 49 5 57	C1 SHORT	VC2 VC3 VC8

**NOTES :**

THE EFFECTIVE LENGTHS OF STEMS OR RUBBERISED VALVES ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

# HAND BENDABLE RUBBER COVERED TUBE VALVE-LIGHT TRUCK



VALVE CODE			ACCESSORIES - TR CODE	
TR NO	IS	ETRTO	CORE	CAP
TR 150	B 90 5 57	V3 10 1	C1 SHORT	VC2 VC3 VC8

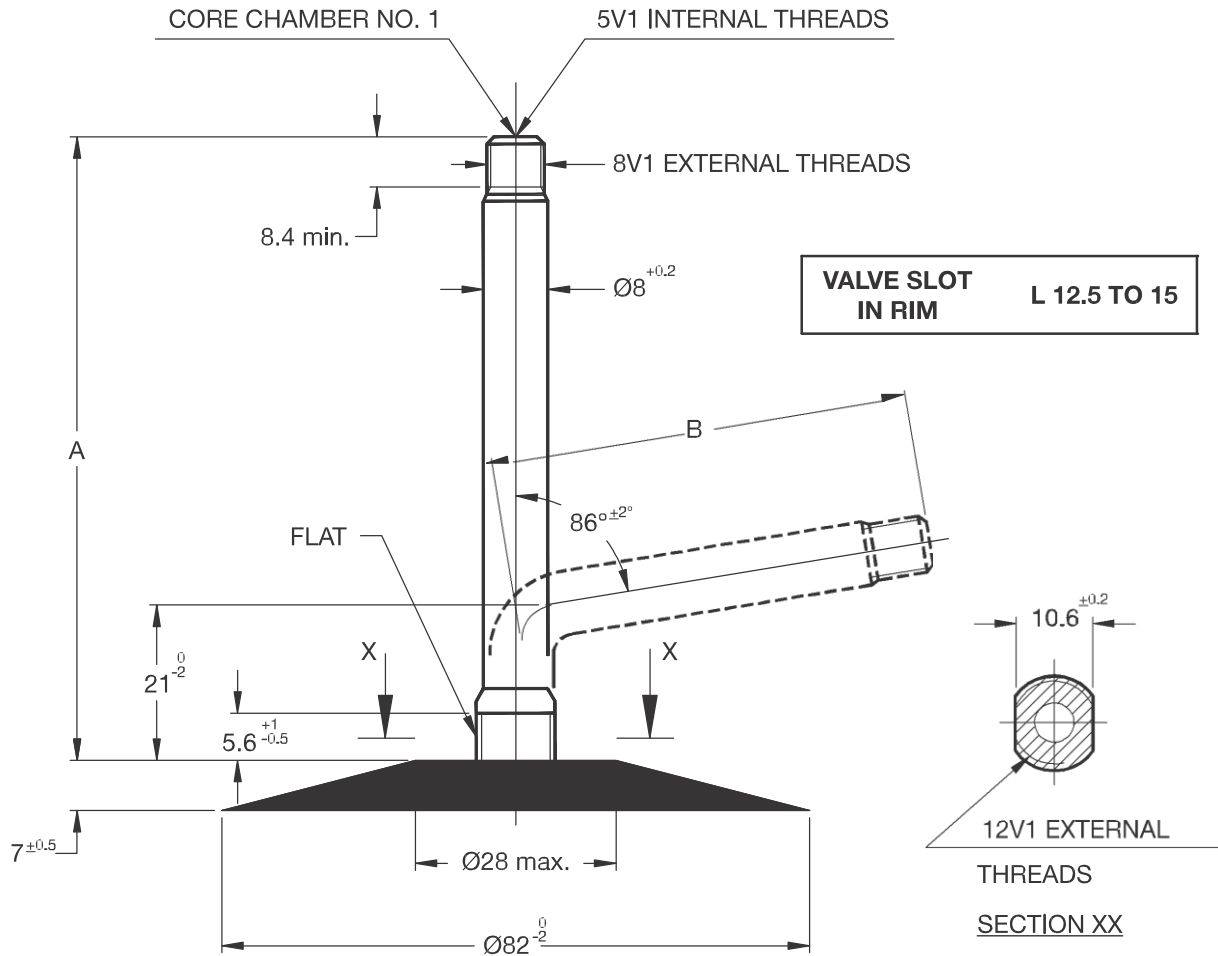
**NOTES :**

VALVE TR 76A, TR 177A AND A B1 5 82 AS SHOWN ON PAGE V-20 ARE ALSO USED FOR LIGHT TRUCK

THE EFFECTIVE LENGTHS OF STEMS OR RUBBERISED VALVES ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

## RUBBER BASE SINGLE BENT TUBE VALVES - LIGHT TRUCK, TRUCK, BUS AND TRAILER



SUPPLIED IN STRAIGHT FORM

VALVE CODE			A	B±4	ACCESSORIES - TR CODE	
TR NO	IS	ETRTO			CORE	CA
TR 227	A 65 5 82	V3 09 11	65	48	C1 SHORT	VC2
TR 76A	A A6 5 82	V3 09 14	106	89		VC3
TR 177A	A B4 5 82	V3 09 15	114	97	C1 LONG	VC8
-	A B1 5 82	-	111	94		

**NOTES:**

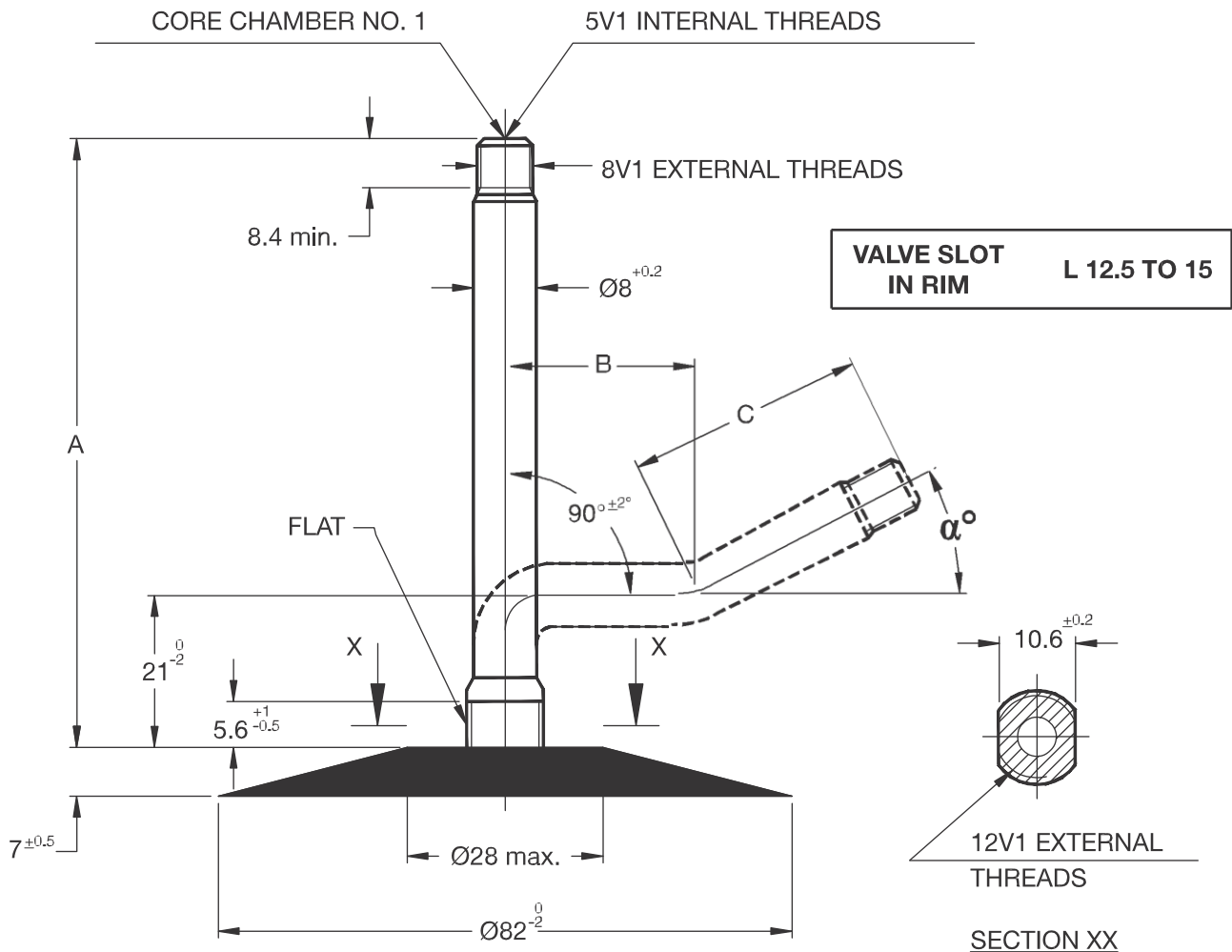
\* A BEND ANGLE 65° MAY BE REQUIRED FOR 6.00-9 FORK LIFT TRUCK TUBES (TABLE 7-03)

\*\* A 70° BEND, IN PLACE OF 86° IS REQUIRED FOR 9.00-13 TRUCK TUBES IF FITTED TO DIVIDED TYPE WHEELS (SEE TABLE 3-06)

THE EFFECTIVE LENGTHS OF STEMS OR RUBBERISED VALVES ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

## RUBBER BASE DOUBLE BENT TUBE VALVES - LIGHT TRUCK, TRUCK, BUS AND TRAILER



SUPPLIED IN STRAIGHT FORM

VALVE CODE			A	B $\pm$ 4	C $\pm$ 4	$\alpha^{\pm 2^\circ}$	ACCESSORIES - TR CODE	
TR NO.	IS	ETRTO					CORE	CAP
TR 76A	A A6 5 82	V3.09.14	106	40	51	31°	C1 SHORT	VC2
TR 177A	A B4 5 82	V3.09.15	114	46	54	26°		VC3
								VC8

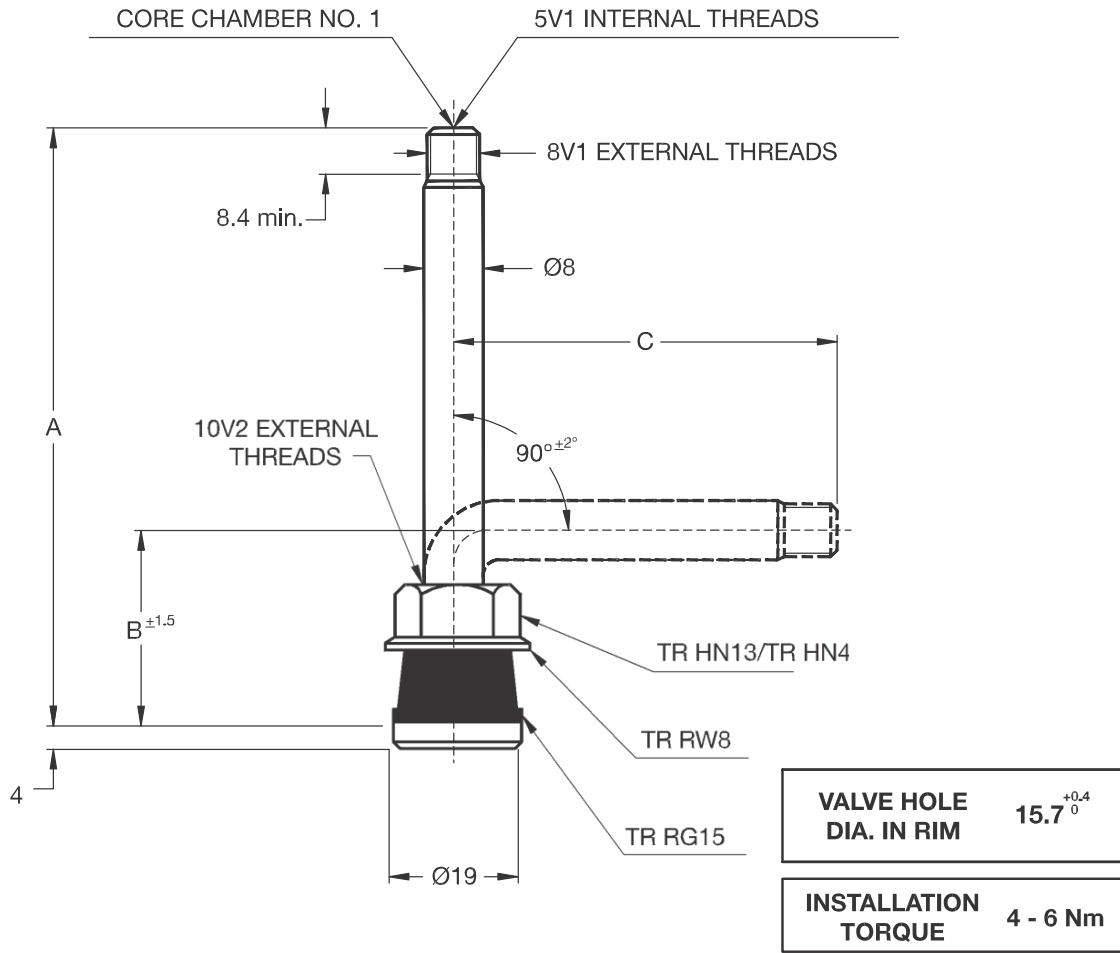
**NOTES :**

\* FOR 9.00 - 16 TUBES ON 6.00T WHEELS, BEND VALVES TO 26° IN PLACE OF 31°, AT A HORIZONTAL LENGTH 45MM WITH A TIP END LENGTH 38MM. (SEE TABLE 3-01)

THE EFFECTIVE LENGTHS OF STEMS OR RUBBERISED VALVES ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

## TUBELESS CLAMP-IN VALVES - TRUCK AND BUS



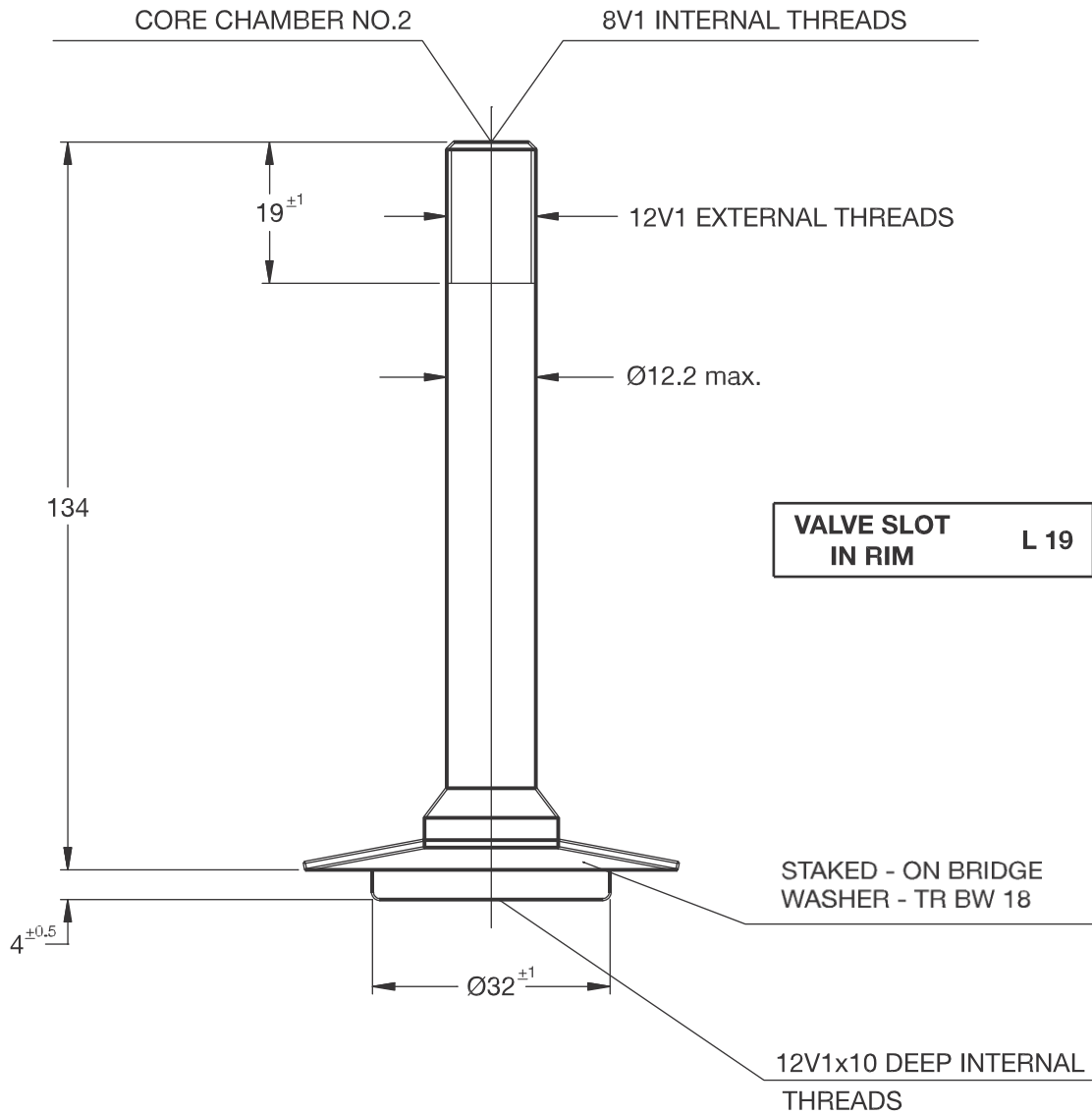
VALVE CODE	A	B	C	ASSEMBLY OF-TR CODE			ACCESSORIES-TR CODE	
				RING WASHER	HEX NUT	RUBBER GROMMET	CORE	CAP
TR 575	29	-	-	RW 8	HN 4 HN 13	RG 15	C1 SHORT C1 LONG	VC2 VC3 VC8
TR 501	38	-	-					
TR 500	51	-	-					
TR 570	80	-	-					
TR 571	86	-	-					
TR 572	95	-	-					
TR 573	111	-	-					
TR 574	127	-	-					
TR 570C	-	33	51					
TR 571C	-	33	58					
TR 572C	-	33	67					
TR 573C	-	33	83					

**NOTES :**

THE EFFECTIVE LENGTHS OF STEMS OR RUBBERISED VALVES ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

## LARGE BORE SCREW - ON TUBE VALVES - OTR



VALVE CODE		ACCEPTS	ACCESSORIES-TR CODE	
CODE	IS	SPUD	CORE	CAP
TR J1175A M	E D4 6 32	TR SP 1 (13) M	C2 SHORT	VC6
		TR SP 1 (9 5) M	C2 LONG	VC7

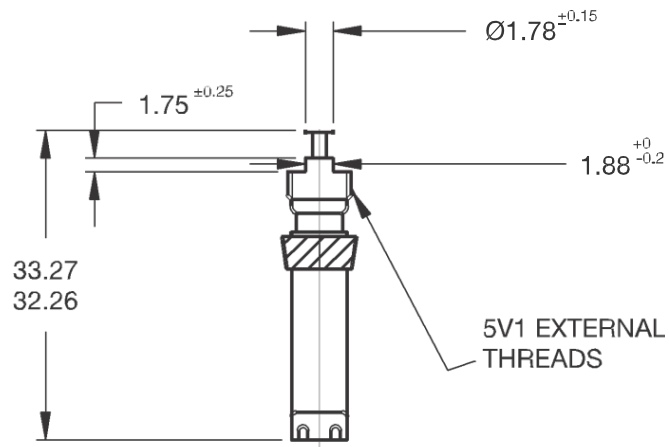
**NOTES :**

THE EFFECTIVE LENGTHS OF STEM OR RUBBERISED VALVE ARE ALLOWED A TOLERANCE OF +1, -2MM

ALL DIMENSIONS ARE IN MILLIMETRES

## VALVE CORE-STANDARD BORE

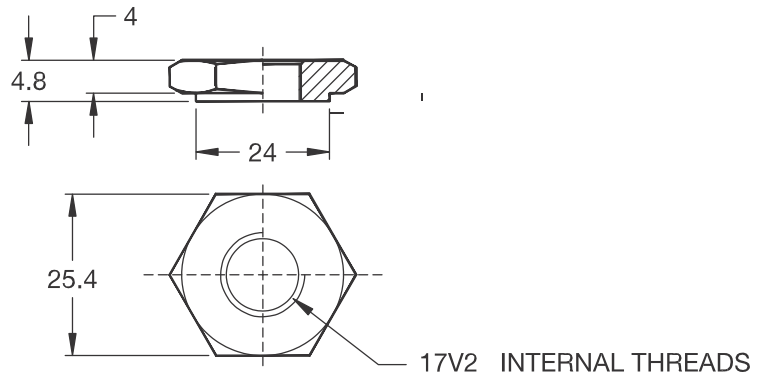
### TR C1 LONG



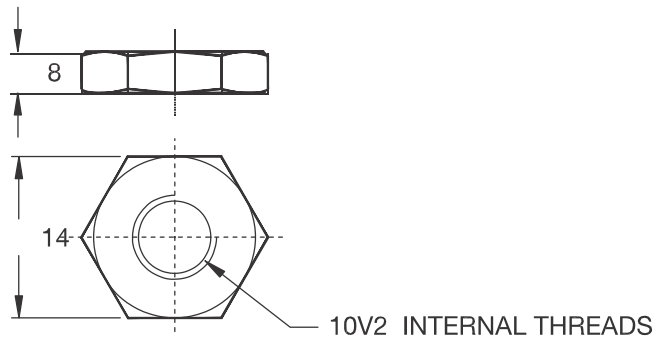
ALL DIMENSIONS ARE IN MILLIMETRES



## HEX. NUTS



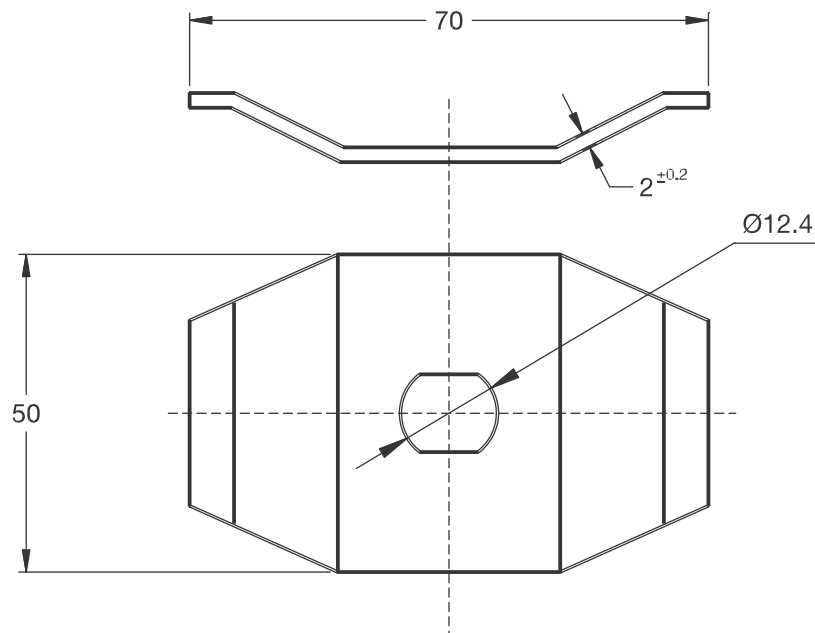
<b>CODE</b>
<b>TR NO.</b>
TR HN 14



<b>CODE</b>
<b>TR NO.</b>
TR HN 13

ALL DIMENSIONS ARE IN MILLIMETRES

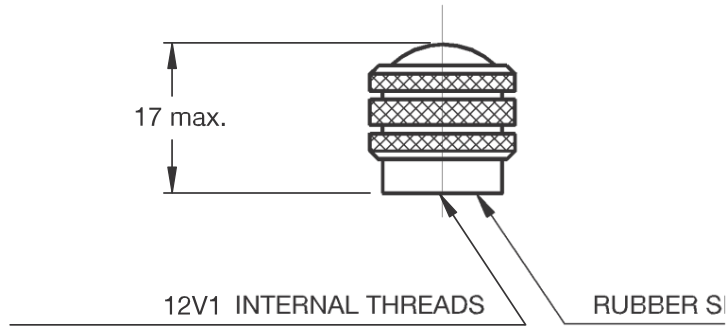
## BRIDGE WASHERS



<b>CODE</b>
<b>TR NO.</b>
TR BW 4

ALL DIMENSIONS ARE IN MILLIMETRES

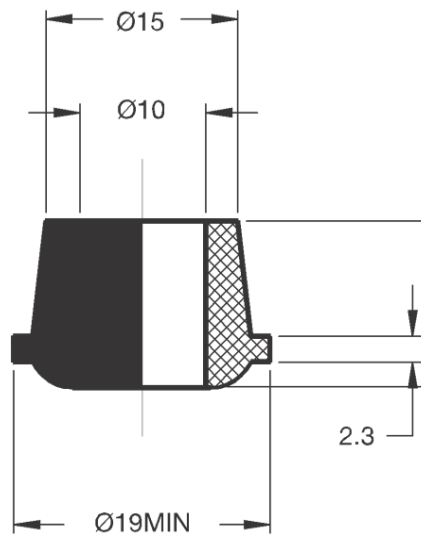
## VALVE CAPS - LARGE BORE



### METAL

CODE	
TR NO	IS
TR VC 9	TYPE E

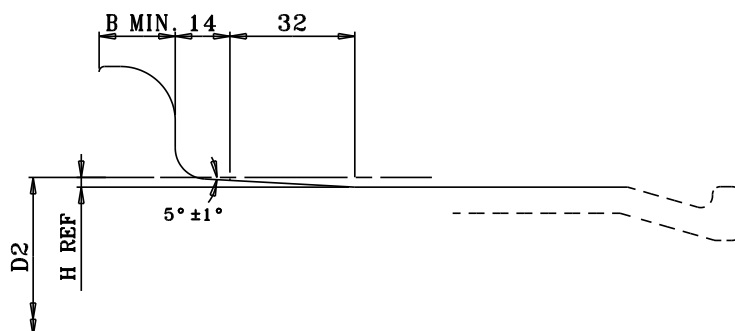
### RUBBER GROMMETS



ALL DIMENSIONS ARE IN MILLIMETRES

## COMMERCIAL VEHICLES

### 5° FLAT BASE RIM FOR 7.5V



FOR 7.5 V5°

CONTOUR DIMENSIONS (mm)								
WIDTH CODE	A		B	G		R	P	H REF
	DIMN.	TOL.	MIN.	DIMN.	TOL.	DIMN.	DIMN.	DIMN.
7.50 V 5°	190	±3.0	29.5	44.5	±1.5	27	46	2.4

DIAMETERS AND CIRCUMFERENCES				
NOMINAL RIM DIA CODE	NOMINAL RIM DIA 'D1' mm	CIRCUM. ±1.2 mm	SPECIFIED RIM DIA 'D2' mm	CIRCUM. ± 1.2 mm
20	508	1595.9	512.8	1611
24	609.6	1915.1	612.8	1925.2

FOR RIM MANDREL DIAMETER REFER PAGE: R-59 to R-60

FOR VALVE SLOT APERTURES REFER PAGE: RV-41

FOR VALVE HOLE REFER SECTION RV

## Obsolete Tyres, Rim Contours and Valves

S.No.	Item	Last Standards Manual in which data was shown
<b>OFF THE ROAD TYRES</b>		
1	12.00-25 – General Data	2011, Table 8-01A
2	13.00-25 – General Data	2011, Table 8-01A
3	16.00-24 – General Data	2011, Table 8-01A
4	18.00-24 – General Data	2011, Table 8-01A
5	21.00-24 – General Data	2011, Table 8-01A
6	12.00-20- Load Schedule (Transport Category)	2011, Table 8-01B
7	12.00-24/25- Load Schedule (Transport Category)	2011, Table 8-01B
8	13.00-24/25- Load Schedule (Transport Category)	2011, Table 8-01B
9	16.00-24- Load Schedule (Transport Category)	2011, Table 8-01B
10	18.00-24- Load Schedule (Transport Category)	2011, Table 8-01B
11	21.00-24- Load Schedule (Transport Category)	2011, Table 8-01B
12	24.00-25- Load Schedule (Transport Category)	2011, Table 8-01B
13	12.00-25- Load Schedule (Loading Category)	2011, Table 8-05B
14	16.00-24- Load Schedule (Loading Category)	2011, Table 8-05B
15	18.00-24- Load Schedule (Loading Category)	2011, Table 8-05B
16	21.00-24- Load Schedule (Loading Category)	2011, Table 8-05B
17	24.00-25- Load Schedule (Loading Category)	2011, Table 8-05B

## NOTES AND MEMORANDA

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