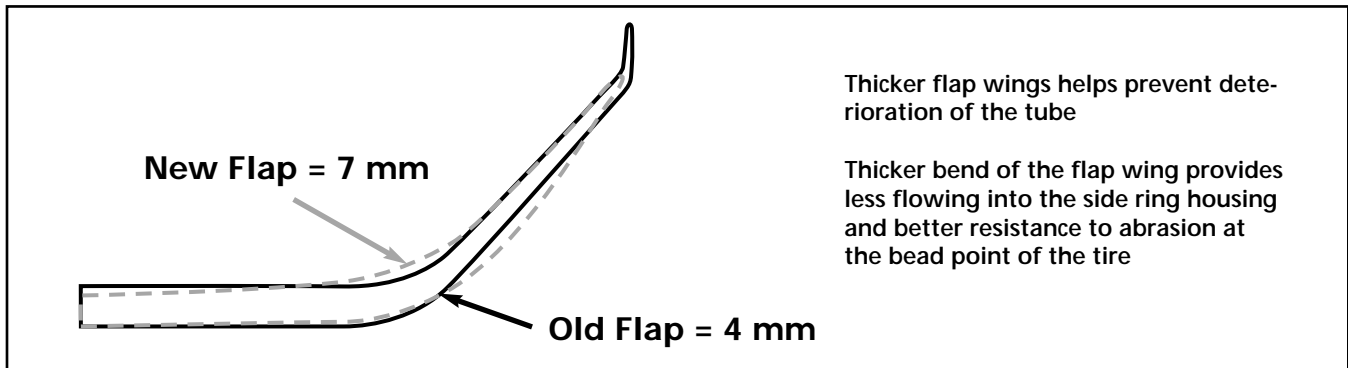


TUBES, FLAPS AND VALVES

FLAP REPLACEMENT

Michelin is transitioning to a new type of flap that will replace the L/LB type flaps. These improved flaps, illustrated below, are stronger, more durable and help resist against deterioration and abrasion.



NYLON PLATES (used on - 15", 20" and 24") are fixed to the flaps for extra support under very extreme conditions, (heat build up due to the brake drums, very high inflation pressures). The plate also helps restrict movement of the valve at the valve slot.

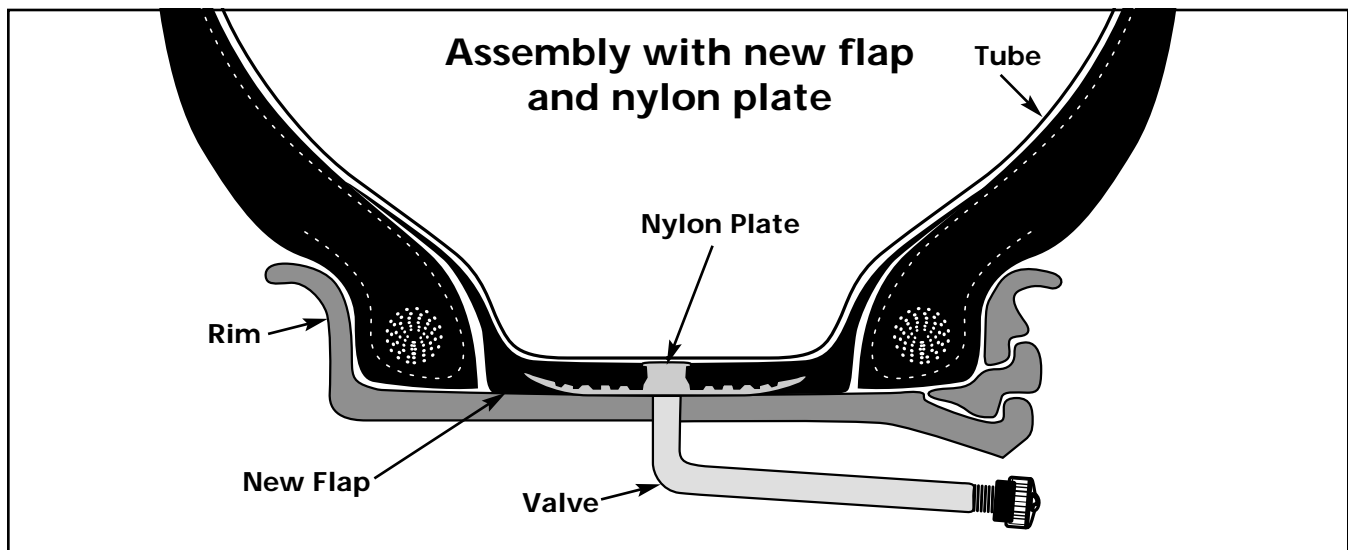
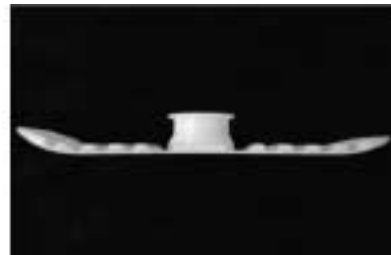
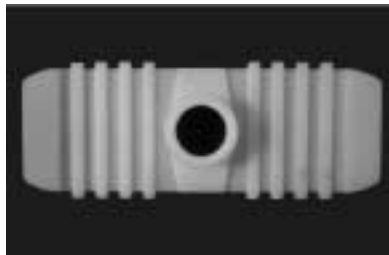


TABLE OF FLAP CHARACTERISTICS

Size	Rim*	Tube Code	Valve Ref.	Valve MSPN	Old Flap	Old MSPN	New Flap	New MSPN	Nylon Plate
7.00R15	5.0, 5.5	15/16F, 15, WJ	570, 1221	23262, 73993					
7.50R15	5.0, 6.0, 6.5	15/16J	1221	73993	200-15L	10146	15x6.00	79344	Yes
8.25R15	6.0, 6.5, 7.0	15K	1221	38850					
10.00R15	7.0, 7.5	15P	582	04560	220-15L	11560	15x7.50	97185	Yes
7.50R16	5.5, 6.0	16J (1, 2) 16J150 (2)	(16J) 1156, 1221 (16J150) 0923	28182, 01012 37836	170-16L or 170-16LD	09432 18834	16x6.00 or 16x6.00D	97037 88263	No
9.00R16	6.0G, 6.5H	16M (3) 16N	(16M) 1713 579	18456 17786					
7.00R20	6.0, 6.5	20J	1156	37776	170-20L	30282	20x5.50	89933	Yes
8.25R20	6.0, 6.5, 7.0	20K	1021	13924	200-20L	23596			
9.00R20	7.0, 7.5	20M	1157	25980	or		20x7.50	44274	Yes
10.00R20	7.0, 7.5, 8.0	20N	1158	17078	190-20LB	69723			
11.00R20	7.5, 8.0	20P	1158	06934	220-20L or 210-20LB	03257 51264			
12.00R20	8.5, 9.0 8.0, 8.5, 9.0	20Q	1158	39144	240-20L or 230-20LB	68890 43507	20x8.50	49781	Yes
14.00R20	9.0, 10.0, 10.0W	20S	582	32420	280-20L 270-20LB	36612 73340			
365/80R20	9.0, 10.0, 10.0V, 11.00	20Q	1158	39144	280-20L 270-20LB 320-20L	36612 73340 27364	20X10.00	61234	Yes
12.5R20	11.0	20P15	611	37090	320-20L 310-20LB	27364 76912			
16.00R20	10.0, 10.0V, 10.0W	20V	576	32961	15-20	15370			
11.00R24	7.5, 8.0	24P	582	48983	240-24/25L or	27178			
12.00R24	7.5, 8.0, 8.5	24Q	582	11708	230-24/25 LB	79137	24/25x8.50	48842	Yes

* Refer to Michelin data books for approved rims per size.

- (1) For use with flat base rim.
- (2) For use with semi-drop center rim.
- (3) For use with drop center rim.



TUBES AND FLAPS FOR COMMERCIAL LIGHT TRUCK AND TRUCK TIRES

Tire Size	Tube Code	Valve Ref.	Valve MSPN	Flap Code	Flap MSPN
7.00R16	16M ⁽³⁾ , 16J150 ⁽²⁾	1713, 923	18456, 37836	170-16LD ⁽⁴⁾	18834
11.00R16	6P15	611	03062	120-16L ⁽⁴⁾	09432
7.50R17	17K	1348	26362	170-17LD	19226
7.50R20	20J	1156	37776	200-20L ⁽⁴⁾	23596
14/80R20	20Q	158	39144	270-20LB ⁽⁴⁾	73340
13.00R20	20S	582	32420	270-20LB ⁽⁴⁾	73340
14.5R20	20S	582	32420	310-20LB ⁽⁴⁾	76912
14.75/80R20	20S	582	32420	310-20LB ⁽⁴⁾	76912
15.5/80R20	20S	582	32420	310-20LB ⁽⁴⁾	76912
335/80R20	20P	1158	06934	310-20LB ⁽⁴⁾	76912
395/85R20	20S	582	32420	270-20LB ⁽⁴⁾	73340
24R21	21WAM	1837	39650	17-20	60388
10.00R22	22N	734	12682	220-22L	14066
11.00R22	22P	734	12716	220-22L	14066
14.00R24	24/25T	1837	01072	NA	NA

* Refer to Michelin data books for approved rims per size.


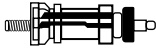

(2) For use with semi-drop center rim.

(3) For use with drop center rim.

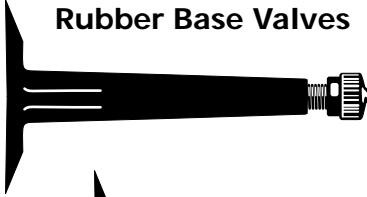
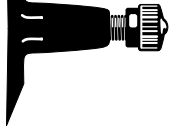
(4) Refer to Table of Flap Characteristics for new flap information



SPARE PARTS FOR TRUCK VALVES

Valve-Cap		M.H.T. Core			Air-Tight Washer			
Bakelite valve-cap for a perfect air seal		Reference N°	Metallic high temperature valve core		Reference N°	See details below		Reference N°
		1424			728			569

VALVE FITTING FOR TUBES

	Rubber Base Valves	Valve Hole Diameter		Designation	Reference N°
		mm	inches		
Valve fitting for tubes hand bendable		16	0.63	TR 150	923
Valve fitting for tubes		11.5	0.45	TR 13	746
		16	0.63	TR 15	611

VALVE ON 16M TUBE FOR 7.50R16 TIRES MOUNTED ON DROP CENTER RIMS - PART #1713



CAUTION—READ BEFORE USING

The 16M tube is designed to be used only with drop center rims and must be installed without a flap.

Do **not** use with semi-drop center rims. If the 16M tube is used, tube damage can result in tire failure.

Do not use on drop center wheels with safety humps.

Do not exceed 40 psi to seat the beads!

These tubes are equipped with a special valve (Part No: 1713) and require the following installation procedure:

INSTALLATION INSTRUCTIONS

1. Remove valve cap and plastic nut from base of valve before mounting.
2. Insert valve through valve hole in rim.
3. Replace plastic nut on valve and hand tighten.
4. Inflate tube to seat tire beads. Deflate. Then reinflate to operating pressure.
5. Replace valve cap.

NOTE: See Page 1 for Air Pressure Warnings.



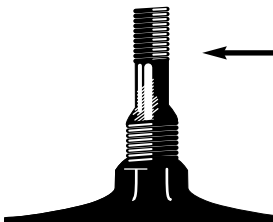
← Valve Cap



← Plastic Nut



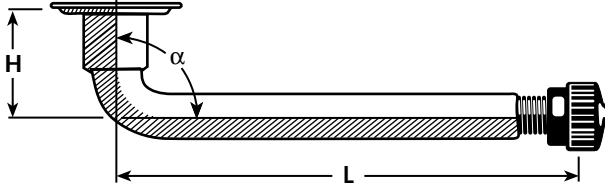
← One Piece Base
(Part Number: 1713)



VALVE FITTING FOR TUBES

Single Bend Valve Stems

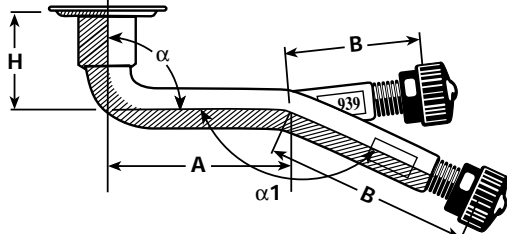
See below for fitting instructions



L		H		a	REFERENCE N°
mm	inches	mm	inches		
43	1.69	22	0.86	120°	570
44	1.73	33	1.29	95°	576
44	1.73	39	1.53	110°	577*
47	1.85	20	0.78	90°	1003
66	2.59	29	1.14	90°	1012*
115	4.52	20	0.78	94°	1021
99	3.89	20	0.78	94°	1156
132	5.19	20	0.78	94°	1157
138	5.43	20	0.78	94°	1158
71	2.79	22	0.86	100°	1188*

Double Bend Valve Stems

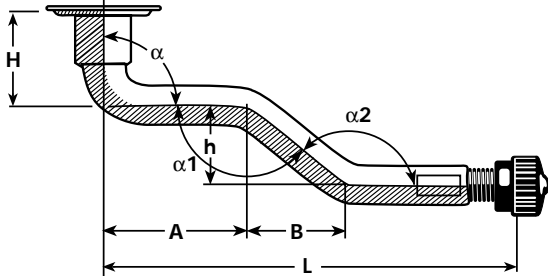
See below for fitting instructions



A		B		H		a	a1	REFERENCE N°
mm	inches	mm	inches	mm	inches			
32	1.26	37	1.45	20	0.78	90°	140°	578
38	1.49	41	1.61	20	0.78	90°	155°	579*
85	3.34	41	1.61	20	0.78	90°	153°	734
32	1.26	66	2.59	16	0.63	90°	165°	1221

Triple-Bend Universal Stems

See below for fitting instructions

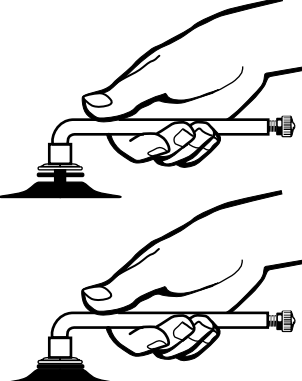


L		A		B		H		h	
mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
131	5.15	62	2.44	19	0.74	20	0.78	17	0.66
106	4.17	45	1.77	18	0.71	20	0.78	17	0.66

a	a1	a2	REFERENCE N°
90°	139°	139°	582
90°	137°	137°	1348

* Michelin does not supply these items as replacement. For further information, consult the manufacturers or your local dealer. The reference #s above apply to the valve supplied with the corresponding tube.

FITTING A UNIVERSAL VALVE STEM



1. Fit the air-tight rubber washer, making sure that it is dry and clean.
2. Screw down the stem until contact is made with the washer.
3. To ensure air-tightness, screw another two complete turns.
4. Tighten the stem further until the final position is obtained.

IMPORTANT: During the above operation, never attempt to slacken the valve stem.

N.B.: Do not tighten any more than recommended above, and do not forget to put on the valve-cap (Reference N° 1424), which is the final guarantee for a perfect seal.

