



TM SERIES CARBURETORS



Mikuni Flat Slide Carburetor

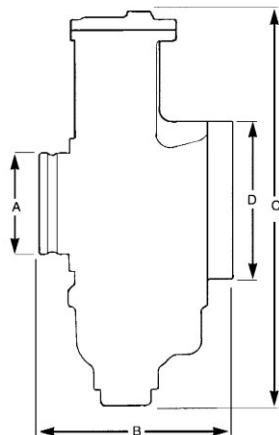
- Provide significant performance improvements over older round slide carburetors.
- Air flows faster and smoother through the TM Series venturi due to the flat slide design and the jet blocks which help create smooth bore effect.
- The high velocity of the air flow means a stronger vacuum at the needle jet providing more precise metering and better throttle response.

		TM38-102
Dimension	A	43
(mm)	B	100
	C	170
	D	62
Total Width:		75

Carb No.	Retail	Size (MM)	Main Jet	Pilot Jet	Needle Jet	Jet Needle	Throttle Valve	Air Jet
			4/042-	VM22/210-		J8-		
TM38-102	\$197.95-H	38	340	25	389 Q-2	6FJ40	832-43002-4.0	2.5

TMX SERIES CARBURETORS

- Intended for 2-stroke engines.
- Features a radial flat slide design working in a smooth bore venturi.
- Provides improved throttle response along with a wider and stronger engine powerband.
- A lightweight and compact body design offers easy maintenance and tuning features.
- A float system with independently moving floats.
- Works in conjunction with an easy-access main jet enclosed in a baffle chamber.
- Performs smoothly without hesitation across the roughest terrain and under extreme lean angles and cornering forces.



TMX Carburetor Dimensions

Complete Kit Includes:

- Air Boot Adapter
- Inner Throttle Cable Wire
- Cable End
- Main Jets
- Pilot Jets
- Jet Needle
- Clamps
- Hose

Dimensions	A	B	C	D
TMX38-101	44	76	164	62

Snow - Snowmobile Application with a 1.8 needle & seat

Carb. No.	Retail	Kit	Main Jet (4/042)	Pilot Jet (VM22/210)	Jet Needle (J8-)	Throttle Valve (999-832-014)
TMX38-101	\$228.80	N	340	25	6EJ12-57	4.0



More Carburetors and Carburetor Parts can be found in TCI's Essentials Catalogue

Essentials

Performance

Windshield

Add-on

Skis & Runners

Tracks

Suspension

Clutch

Comet

Belts

Piston & Gasket

Engine

Electrical

Carb

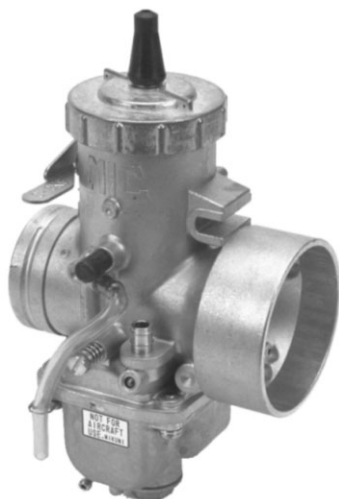
Brakes

Cables

Chemical & Tools



VM SERIES CARBURETORS



The most popular high performance single carburetors

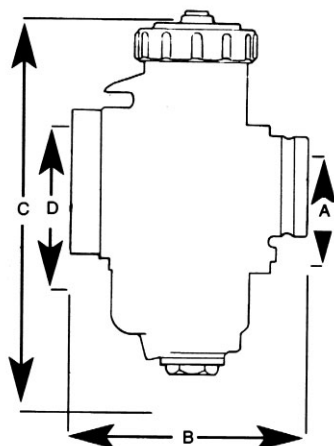
Round Slide Single Carburetors

- The performance standard for use in any application on both 2-stroke and 4-stroke engines.
- Designed to meet the unique demands of snowmobiles & motorcycles.
- Snow Carbs feature special throttle valve and needle valve designs which are better suited to colder, more dense air and constant throttle settings.
- Performance features include a large selection of bore sizes for increased fuel mixture flow to match engine modifications.
- Offers a wide range of tuning components to allow precise fuel mixture metering in any application, at any throttle setting, under any riding condition.

Round Slide Singles Mikuni Carburetor Standard Specifications

Carb #	Retail	Size (mm)	Main Jet (4/042)	Pilot Jet (VM22/210)	Needle Jet (Series #)	Jet Needle	Throttle Valve (Part #)	Main Air Jet (Part #)	Needle Valve (Part #)
VM30-164	\$91.95-H	30	270	35	Q-0 (159)	6DH	2.0	2.5	1.5
VM32-282	\$115.95-H	32	280	35	Q-0 (159)	6DH4	2.5	2.5	1.5
VM34-389	\$120.95-H	34	330	30	Q-0	6DH3	2.5	2.5	1.5
VM38-21	\$124.95-H	38	360	40	Q-0 (166)	6DH3	(VM38/24) 2.5	2.5	(VM28/163) 1.5
VM44-7	\$140.95-H	44	540	35	AA-4(224)	7DH2	(VM40/02) 1.5	(BS30/97) 0.7	(VM28/163) 1.5

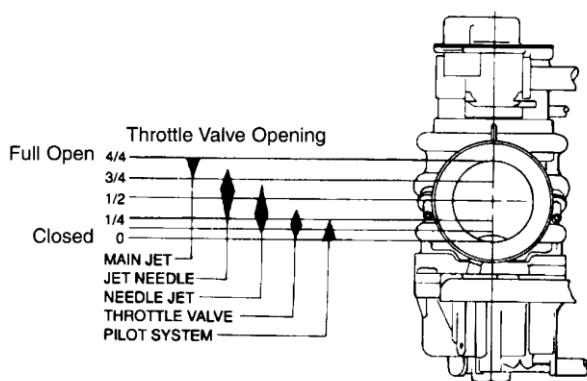
all VM26 thru VM44mm, spigot type



Dimensions	A	B	C	D	Total Width
VM30-164	40	93	137	58	83
VM32-282	40	102	142	58	83
VM34-389	40	93	137	58	83
VM38-21	43	116	154	62	79
VM44-7	52	116	193	70	79

More Carburetors and Carburetor Parts can be found in TCI's Essentials Catalogue

TUNING COMPONENTS



Functional Range Effectiveness of Tuning Parts - In Relation to the Throttle Valve Opening

- Approximate Values
- Pilot System - pilot air jet, pilot fuel jet, pilot fuel screw

* Note: Optional Power Jet will affect other tuning components.



All tuning components can be found in TCI's Essentials Catalogue

MAIN JETS

- The main jet meters the amount of fuel entering the needle jet.
- Main jets control the fuel flow at the full throttle opening.
- Order by part # and size (ie. 4/042-150).
- Jets are listed by size, from leaner to richer.

Large Hex

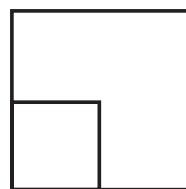
TCI PART# 4/042 - Jet Size \$3.49-J ea.

Jets are pre-packaged in bags of 4 but price is based on single jet. Please order Large Hex Main Jets in multiples of 4.

- 6mm hex width, 5mm thread diameter

Jet Size: (Increments)

50 thru 200 (5)
210 thru 500 (10)
520, 540, 560, 580, 600, 620, 640,
650, 660, 680, 700, 710, 720



Mikuni Parts Stamping

This is your quality assurance guarantee. Do not accept anything less than the best.

Small Hex

TCI PART#M10/14 - Jet Size

\$3.49-J ea.

- Length 8mm, 6mm OD

Jet Size: (Increments)

40 thru 200 (5)



Small Round

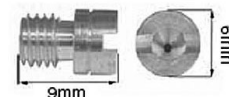
TCI PART#N102/221 - Jet Size

\$3.49-J ea

- Length 9mm, 6mm OD

Jet Size: (Increments)

30 thru 250 (2.5)



Press In

TCI PART#N208.099 - Jet Size

\$4.95-J ea

- Length 9mm, 6mm OD

Jet Size: (Increments)

115 thru 150 (5)



Large Thread

TCI PART#VM11.22 - Jet Size

\$TBA-J

- Length 8mm, 10.5mm OD

Special order part

Jet Size: (Increments)

50 thru 180 (5)



Large Round

TCI PART#N100/604 - Jet Size

\$3.49-J ea.

- Length 9mm, 8mm OD

Jet Size: (Increments)

50 thru 200 (2.5)



For Keihin Main Jets See Page 500

Essentials

Performance

Windshield

Add-on

Skis & Runners

Tracks

Suspension

Clutch

Comet

Belts

Piston & Gasket

Engine

Electrical

Carb

Brakes

Cables

Chemical & Tools

For Keihin Slow Jets See Page 500

PILOT JETS

- Controls starting, idling and low speed operation until approximately ¼ throttle.

Fits all VM, TM, TMX Carburetors

TCI PART# VM22/210 - Jet Size

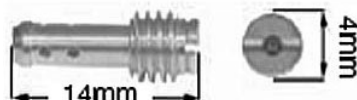
\$3.49-J

- Length 14mm, Outer Diameter 4mm

Jet Size: (Increments)

10 thru 40 (2.5)

40 thru 110 (5.0)



Fits all RS & HSR Carburetors and late model Suzuki RM 125/250

TCI PART# VM28/486 - Jet Size

\$3.49-J

- Length 28mm, Outer Diameter 5mm, Inner Diameter 2mm

- Thread 4mm x 0.70mm

Jet Size: (Increments)

15 thru 42.5 (2.5)

45 thru 70 (5.0)



Bleed Type

TCI PART# BS 30/96 - Jet Size

\$3.49-J

- Length 14mm, Outer Diameter 4mm

Jet Size: (Increments)

30 thru 60 (2.5)



Pilot Jet for B-Type Carburetors

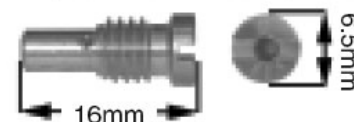
TCI PART# N101.043 - Jet Size

\$3.49-J

- Length 16mm, Outer Diameter 6.5mm

Jet Size: (Increments)

30 thru 110 (2.5)



Low Speed Tuning for Super BN

TCI PART# N100.606 - Jet Size

\$3.49-J

- Length 6.5mm, Outer Diameter 4mm
- 4mm thread

Jet Size: (Increments)

50 thru 150 (2.5)



Non-Bleed Type

Used in many original equipment carburetors OEM for new Triumph

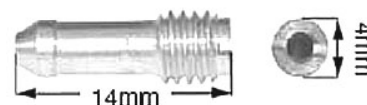
TCI PART# N151.067 - Jet Size

\$3.49-J

- Length 14mm, Outer Diameter 4mm

Jet Size: (Increments)

30 thru 55 (2.5)



OEM for TMX CR, RM, YZ, KX

TCI PART# N224.103 - Jet Size

\$4.95-J

- Length 28mm,
- Outer Diameter 5mm
- Inner Diameter 2.5mm
- Has groove above thread area

Jet Size: (Increments)

30 thru 65 (2.5)



OEM Carbs, Banshee

Banshee OEM, OEM applications

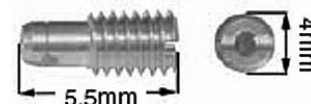
TCI PART# M28/1001 - Jet Size

\$ 3.49-J

- Length 5.5mm, Outer Diameter 4mm

Jet Size: (Increments)

15 thru 70 (2.5)



AIR JETS / STARTER JETS

AIR JET

TCI PART# BS 30/97 - Jet Size

\$3.49-J

- Length 7.5mm
- Thread 4mm x 0.70mm
- A fine tuning component in regulating air-fuel mixture
- Meters air flow to the needle jet
- For most Mikunis

Jet Size: (Increments)

- .5 thru 2.0 (.1)



STARTER JET (special order)

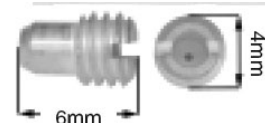
TCI PART# VM17/1002 - Jet Size

\$ 2.65-J

- Controls enricher on TM carburetors
- Length 6mm, Outer Diameter 4mm

Jet Size: (Increments)

20 thru 120 (1.0, 1.5, 2.0)

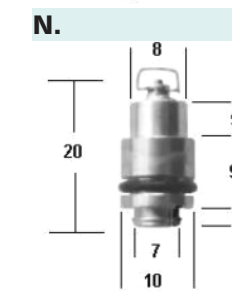
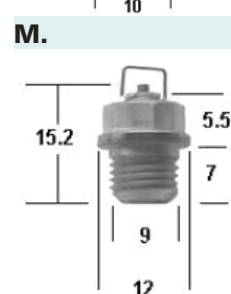
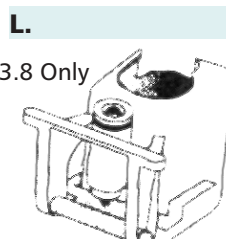
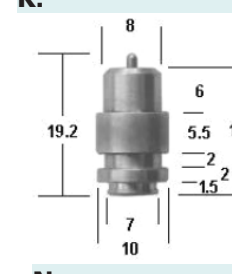
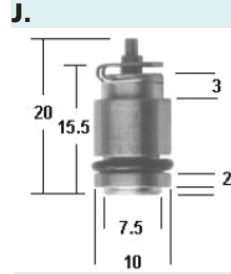
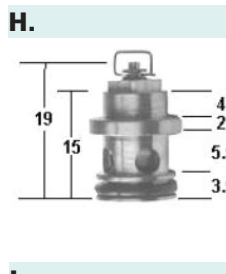
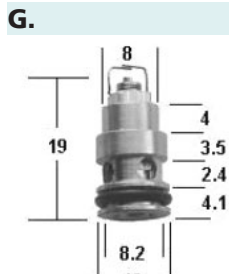
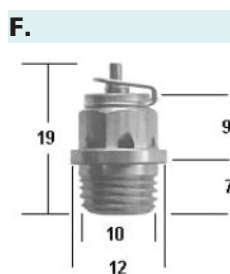
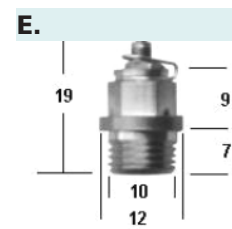
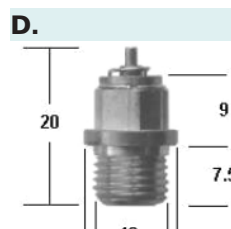
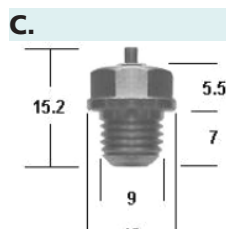
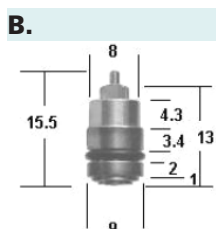
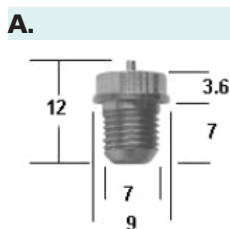


NEEDLES & SEAT ASSEMBLIES (AKA NEEDLE VALVE)

- termines and regulates the rate of flow of fuel from the gas tank to the float bowl assembly.
- The larger the size the greater the flow; 1.5 is the suggested size for fuel pumps.

* For prices see pages 501 to 505

Application			Standard Needle & Size		Viton Tip Needle & Size	
Pic			TCI #	Available Size	TCI #	Available Size
A	VM18, VM20	Threaded	VM15/172	1.2, 1.8		
B	VM28 Flat Slide	Push-in	VM24/557	1.5, 2.0, 2.5		
C	VM26,28 Round Slide BN34, 38, 44 Watercraft	Threaded	VM26/26	1.5,2.0,2.5,2.8	VM26/185	1..2, 1.5
D	VM30 thru 44	Threaded	VM28/163	1.2, 1.5, 1.8, 2.0, 2.5, 3.0	VM28/511	1.5, 1.8, 2.0
E	VM30 thru 44	Threaded	VM34/39	2.5, 3.5		
F	VM30 thru 44	Threaded	VM38/11	3.5 (six holes)		
	VM29,33Smoothbore	Threaded	N122/032	2.5, 2.8		
G	HS40 Harley-Davidson	Push-in			786-36007	3.8
H	HSR42,45	Push-in			786-27001	2.3, 3.5, 4.2(std)
J	TM32, 34, 36, 38 Flat Side	Push-in			786-46001	1.2, 1.5, 1.8, 3.3, 3.5
K	RS38, 36, 38, 40	Push-in	N149.040	2.0, 2.5, 2.8		
L	TMX35, 38		786-36004	3.5		
L	TMX35, 38		786-36004 A	1.8		
M	BN34, 38, 44 Watercraft Carb	Threaded			786-15005	1.5, 2.0, 2.5
N	Super BN38, 44 Watercraft	Push-in			786-35015	1.5, 2.0, 2.3, 2.5
O	Super BN38,44	Solid-type	786-15008	1.5,2.0,2.3,2.5		



- O. and P. pictures not available



Essentials

Performance

Windshield

Add-on

Skis & Runners

Tracks

Suspension

Clutch

Comet

Belts

Piston & Gasket

Engine

Electrical

Carb

Brakes

Cables

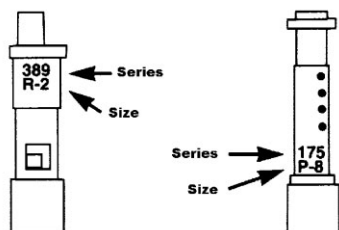
Chemical & Tools

NEEDLE JETS

* For prices see pages 501 to 505

Needle Jets (a.k.a. Nozzles, Emulsion Tubes)

- Main fuel passage together with the needle controlling 1/4 to 3/4 throttle range.



Example on How to Order

TCI Part# VM34/05 P-2

- Series #159 (VM34/05) is outside characteristics
- 'P' is inside diameter size in increments of .050 mm
- '2' is inside diameter size in increments of .005mm

Carb App.	VM26 Round	VM29 ↓ VM33 Smoothbore	New TMX Dirtbikes
Part #:	VM28/86	VM28/16	784-13005
Leanest ↑ ↓ Richest	O-0 O-2* O-3* O-4* Q-2*	O-0 O-2* O-4 6 8 P-0 2 4 6 8	S-4 S-7 S-8 S-9 T-0
Type	Primary	Bleed	
Series #	182	261	633

Carb App.	VM30 ↓ VM36 Round Slide		VM38 Round Slide	VM28 ↓ VM30 Small Body	VM28 Round TM28 Flat	VM30 ↓ VM36 Round Slide	VM40 ↓ VM44 Round	YAM OEM	TM32 ↓ TM38 Flat Slide	TM33 Flat Slide	RS34 ↓ RS40, HS40	HSR 42/45
Part#:	VM34/05	VM26/17	VM34/17	VM30/38	VM30/46	VM32/19	VM44/10	VM38/41	785-2400 1	784-24005	784-13002	784-43000
Leanest ↑ ↓ Richest	N-4* 6* 8* O-0 2 4 5 6 8 P-0 2 4 5 6 8 Q-0 2 4 5 6 8 R-0 2 4 5* 6* 8*	Q-2	N-6* 8* O-0* 2* 4 5* 6 8 P-0 2 4 5 6 8 Q-0 2 4 5 6 8 R-0 2 4 5 6 8	N-4* 6* 8* O-0* 2* 4 5* 6 8* P-0 2 4 5 6 8 Q-0 2 4 5* 6* 8*	O-0 4 6* 8* P-0 2 4 5 6* 8*	O-4* 6* P-4* 8* Q-0* 2 4 5 6* 8*	Q-5 Z-0 2* 4* 5 6 8* AA-0 2 4 5 6 7 8 BB-0 -5 CC-0 -5 6 8 R-0 2* 4* 6* 8*	N-6* 8* O-0* 2* 4 6* 8* P-0 2 4 5 6 7 8 Q-0 2 4 5 6 8 R-0 2* 4* 6* 8*	O-0* 2* 4 6 8 P-0 4 8 Q-0 2 4 6 8 R-0 2 4 6 8	P-8* Q-0* 2* 4* 4 6 8 Y-0* 2* 4 6 8 Z-0* 2* 4* 6* AA-0* BB-0	O-6* 8* P-0 2 4 6 8 Y-0* 2* 4 6 8 Z-0* 2* 4* 6* AA-0* BB-0	Y-2 4 6 8 2-0*
Type	Primary	Primary	Primary	Primary	Bleed	Bleed	Primary	Primary	Primary		Non-Bleed	Non-Bleed
Series #	159	164	166/480	169	175	176	224	247	389	499	568	723
* Special Order (not a stocking item)												
Series #	159	164	166/480	169	175	176	224	247	389	499	568	723



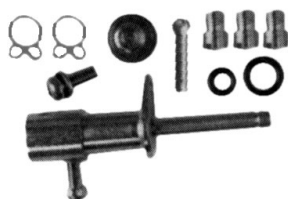
CARBURETOR SCREWS

DESCRIPTION	TCI PART#	THREAD DIAMETER	THREAD LENGTH	RETAIL
Standard Phillips Machine	C2=0406	4 mm	5 mm	\$.85-J
	C2=0416	4 mm	16 mm	\$.85-J
	C2=0518	5 mm	18 mm	\$.85-J
Countersunk Machine	C6-0307	3mm	7mm	\$.85-J
Flush-Countersunk Machine	C5-0414-G	4 mm	11 mm	\$.85-J
Std. Phillips Machine Washer 	CW2=0305	3 mm	4 mm	\$.95-J
	CW2=0308	3 mm	7 mm	\$.95-J
	CW2=0310	3 mm	9 mm	\$.95-J
	CW2=0408	4 mm	7 mm	\$.95-J
	CW2=0412	4 mm	10 mm	\$.95-J
	CW2=0414-B	4 mm	14 mm	(special order) \$TBA-J
	CW2=0414	4 mm	12 mm	\$.95-J
	CW2=0416	4 mm	15 mm	\$.95-J
	CW2=0516	5 mm	15 mm	\$.95-J
	CW2=0518	5 mm	18 mm	\$.95-J



Tillotson HD Carb Needle & Seat 596-0001

- Marvel, Schebler/Tillotson - 233-674
- Tillotson - 014683
- Bombardier - 404.0229.00



Power Jet Kit MK-406 560-MK406 \$34.95-J

- Power Jet Kits are used in two-stroke engine applications to improve mid-range throttle response and add additional fuel to wide open throttle running conditions, especially with snowmobile applications.
- Kit may be installed easily on Mikuni TM and VM Series Motorcycle and Snowmobile carburetors.

FLOAT BOWLS



Transparent Float Bowl

- Proper fuel level and harmful sediment visible
- Transparent drain plug

Float Bowl VM26-28 PB 26 \$12.95-K

Adjustable Float Bowl

- Outside adjustment mechanism consists of an adjustable needle with a tapered seat which meters the fuel flow. The needle fine tunes the main jet enabling the user to lean or enrich the fuel mixture as desired

VM36 & 38 Mikuni Carbs	VM36/102B	\$67.95-J
O-Ring	BV32/04	\$3.55-J
Washer	VM20/169	\$.85-J
Jet Setter	VM36/55	\$4.05-J