



TANGI-FLOW

Products limited

Manufacturer and Supplier of
Roller Boxes
Broaching Heads
Threading
Rollers and Pins
High Grade Inserts

Part of the **Wickman Group**

Tangi-Flow Rollerboxes

The Tangi-Flow Rollerbox turning system is the most effective means of producing accurate, true and parallel diameters with maximum repeatability.

Tangi-Flow roller boxes are suitable for all types of single and multi-spindle automatic lathes and small to medium capacity CNC lathes.

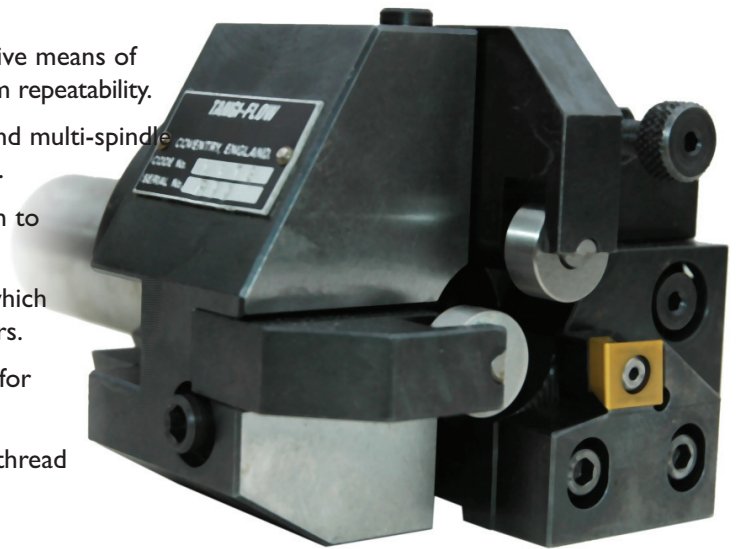
The Tangi-Flow rollerbox tooling has a capacity from 1.5mm to 51mm over 6 different style heads.

All our rollerbox tools feature an auto-retraction system which leaves the machined part burnished by the supporting rollers.

Integral tipholders can hold a variety of cutting geometry's for virtually any material making the tools extremely versatile.

An ideal tool for pre-turning your blank diameter prior to thread rolling to a 2 micron finish.

Turns long parts down quickly and accurately.



Rollerboxes	Capacity	Shank Diameters
AR/TIO AR/OOM	1.5mm - 14.5mm 1/8" - 9/16"	16mm - 20mm - 25mm 5/8" - 3/4" - 1"
AR/TO	3mm - 14.5mm 1/8" - 9/16"	16mm - 20mm - 25mm 5/8" - 3/4" - 1"
AR/TI	4mm - 19mm 13/64" - 15/16"	20-25-32-40-50mm 3/4" - 1" - 1 1/4" - 1 1/2", 1 3/4" - 2" - 2 1/8"
AR/T5-M	6mm - 35mm 15/64" - 1 1/4"	20-25-32-40-50mm 3/4" - 1" - 1 1/4" - 1 1/2", 1 3/4" - 2" - 2 1/8" also flange mounted
AT/T6-M	10 - 51mm 3/8" - 2"	20-25-32-40-50mm 3/4" - 1" - 1 1/4" - 1 1/2", 1 3/4" - 2" - 2 1/8" also flange mounted



Tangi-flow products supplier of Broaching Heads and Broaches

Supplier of high quality internal and external broaching heads and broaches.

The 275 head is designed primarily for producing hexagonal holes. A micro adjusting screw is provided to set the cutting bit on the machine centre line. The inner shaft is mounted on sealed ball races for precision & long life. Right hand & left hand rotation is possible to produce a component. The cutting bits can be rapidly replaced and are available in a range of both metric & imperial sizes. Various shank sizes are available.

The internal & external broaching heads are available with various shank diameters including VDI.



Broaching Head	Capacity	Shank Diameters
265	1.5mm - 6mm 0.050" - 1/4"	16mm - 20mm - 25mm 5/8" - 3/4" - 1"
275	2mm - 10mm 5/64" - 3/8"	16mm - 20mm - 25mm 5/8", 3/4", 1"
295	8mm - 19mm 5/16" - 3/4"	20mm - 25mm - 32mm 3/4" - 1" - 1 1/4"
1500	3mm - 16mm	Various shanks available
1600	Internal 1.5mm - 10mm External 3mm - 12mm	Various shanks available



Supplier of Tangi-flow Inserts

for the Tangi-flow Roller Boxes

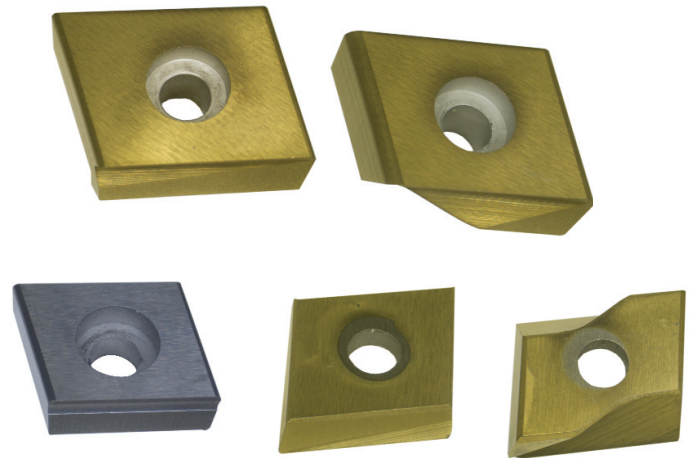
Chipstream Insert: Takes the minimum power requirement. Ideal for use where the turned length is such that the coils of swarf produced do not constitute a problem or a health hazard to the operator.

Chipbreaker Insert: Requires slightly more power, but breaks the swarf up into short lengths over a wide range of speeds and feed for most materials.

Pos. Insert: The plain rake face with chipdeflector is often more effective on very small depths of cut especially on awkward materials such as wrought iron.

Alternative Radii: Alternative radii are available on inserts Ex stock or to order. Price and delivery on application.

The New TF+ Insert: Carbide specially formulated to machine exotic materials such as Inconel.



Insert No.	BT30	BT60	BT2	GC
The new TF+ insert	X	X	X	X
TA3504	X	X	X	X
TA3504CB	X	X	X	X
TA3504POS	X	X	X	X
TA3510	X	X	X	X
TA3510CB	X	X	X	X
TA525CB	X	X	X	X
TA525POS	X	X	X	X



Tangi-Flow Spares

Type AR/T2 Spares

Code No.		Code No.		Code No.	
128	Needle Roller Assemblies	128A	Repair Kit	157	Ret. Adj. Screw
242	Carrier	242E	Extended Carrier	244	Toolblock Micro Adj. Screw
245	Carrier Adj. Screw	249	Carrier Locking Nut	251	Toolblock Locking Nut
2016	Grease Nipple + Washer	T2 KIT	Retrofit Kit	TA200	Integral Toolblock
TA552	Integral Throw-Away Tip Holder	TA553-5	Vert. Adj. Screw for TA552	557-5	C1HD Screw for TA552
TA3504	Throw-Away Tip for TA552	TA500-5	Tip Holding Screw for TA3504	TA526	Throw-Away Tip Holder Std.

Type AR/T3 Spares

Code No.		Code No.		Code No.	
129	Needle Roller Assemblies	129A	Repair Kit 523	524	Carrier
524E	Extended Carrier	526	Toolblock Micro Adj. Screw	527	Carrier Adj. Screw
530	Carrier Locking Nut	532	Toolblock Locking Nut	549	Ret. Adj. Screw with Locknut
2016	Grease Nipple + Washer	TA523	Integral Toolblock for TA551	TA551	Integral Throw-Away Tip Holder
TA553-S	Vert. Adj. Screw for TA551	557-5	C/HD Screw for TA551	TA500-S	Tip Holding Screw for TA3510
TA527	Throw-Away Tip Holder Std.				

AR/AM-I AR/A2-M AR/A3-M Spares

	AR/AM-1 (Code No.)	AR/A2-M (Code No.)	AR/A3-M (Code No.)
Rollers and Pins	131	132	133
Carrier RH (Top)	154	155	156
Setting Carrier LH	154S	155S	156S
Pin Locking Screw	191	191	386
Toolblock Mico Adj. Screw	313	158	158
Retraction Adj. Screw	316	365	365
Carrier Adj. Screw	142	143	144
Standard Toolblock	312	362	362
Toolblock Locking Screw	318	-	-
Toolblock Locking Nut	-	160	160
Carrier Bolt Nut and Washer	139B	140B	141B
Hinge Pin	315	162	162
Spring	165	161	161
Tool Holding Screw	142	366	366
Toolblock Stud	-	363	363
Toolblock Plain Washer	3/16" Dia Mod	187	187
Toolblock Spring Washer	3/16" Dia Mod	196	196
Shank 1" Dia	-	-	183
Shank 3/4" Dia	-	-	184
Carbide Tangential Tool	T516	T525	T525
Throw-Away Tip Holders	-	TA525	TA525
Throw-Away Tips	-	TA525	TA525
Tip Holding Screw	-	TA525-S	TA525-S

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