

RESTEK'S

Improved and Expanded Range of **MXT** Capillary Columns

NASA needed a rugged, inert, and efficient capillary GC column for the 7-year Cassini Mission to Saturn. They chose Restek's rugged MXT capillary columns because of their ability to withstand the tremendous vibration stresses generated during the Titan IV rocket launch, the extremely low temperatures, and the vacuum during the flight system to Saturn



On a more earthly scale, Restek's MXT capillary columns are the columns of choice for process analyzers, portable gas chromatographs, and an ever growing legion of laboratory GC users.

MXT capillary columns are available in all commonly available stationary phases and lengths and are now being produced in smaller IDs such as 0.1mm for fast GC, the 0.18mm used by NASA and the very popular 0.25 and 0.32mm ID.
(Under development : Enquire re - delivery)

MXT columns give the chromatography of traditional fused silica capillary columns, but offer the advantage of , similar high inertness, break-proof operation, metal ferrule installation if desired, and they can even be hard-mounted by soldering or brazing. Guard columns and connectors are also available for **MXT columns** – making them a complete replacement option for the more brittle fused silica capillary columns.

For **LOW** and **High Temperature Applications ONLY** limited by the Liquid Phase

- Use up to **430C maximum**
- with Low Bleed and Long Column Life
Restrek offer SIMDIST columns

MXT-1 SIMDIST – 400C max
(dimethyl polysiloxane)
Cat.# 70101 6m, 0.53mm, 0.15um

MXT-500 SIMDIST – 430C max
(Carborane dimethyl polysiloxane)
Cat.# 70104 6m, 0.53mm, 0.15um

- **IDEAL for GC/MS** – safeguard your system !
“ Will NOT break under vacuum” – help protect those expensive MS filaments and Electron Multiplier Tubes”

DON'T put up with problematical
“**Aluminium Clad**” Fused Silica columns
– renowned for spontaneous brittleness
at temperatures over 350C

- **Un-breakable,**
 - **Flexible,**
 - **Highly Inert,**
- (In fact as inert as deactivated Fused Silica)

Australian Distributors . . .
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Restek's Improved & Expanded MXT Columns

The same quality and dedication that led NASA to use Restek's MXT column on the Cassini Mission to Saturn is in each column Restek manufactures for you !

Features

- Guaranteed reproducibility
- Uses the same liners, ferrules, and scoring wafers as fused silica columns.
- Non-breakable, perfect for rugged environments.
- Same cost and phases as fused silica columns
- Tubing can be coiled in diameters ranging from 3.5"(8.6cm) to 6"(15cm)

The most Complete Metal Column Line

- All commonly-used stationary phases
- All standard dimensions and lengths

MXT Columns A NEW Frontier in Capillary GC

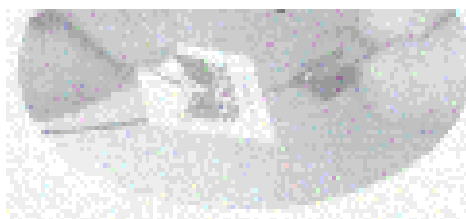
MXT-1 (Silcosteel)

Stable to 400C

ID	Df (um)	Temp. limits	6-Meter	15-Meter	30-Meter	60-Meter
0.28mm	0.10	-60 to 360C	70102*	70106	70109	
	0.25	-60 to 360C		70121	70124	70127
	0.50	-60 to 330C		70136	70139	70142
	1.00	-60 to 320C		70151	70154	70157
	3.00	-60 to 285C		70181	70184	70187
0.53mm	0.15	-60 to 400C	70101**			
	0.25	-60 to 360C		70122	70125	70128
	0.50	-60 to 330C		70137	70140	70143
	1.00	-60 to 320C		70152	70155	70158
	1.50	-60 to 310C		70167	70170	70173
	3.00***	-60 to 285C		70182	70185	70188
	5.00	-60 to 270C		70177	70179	70183
	7.00	-60 to 250C		70191	70192	70193

MXT Columns

Rugged, Flexible
Silica-lined
Stainless steel can
be easily cut with a ceramic wafer



* temp. limites for this column are -60 to 400C

**6-Meter column for simulated distillation

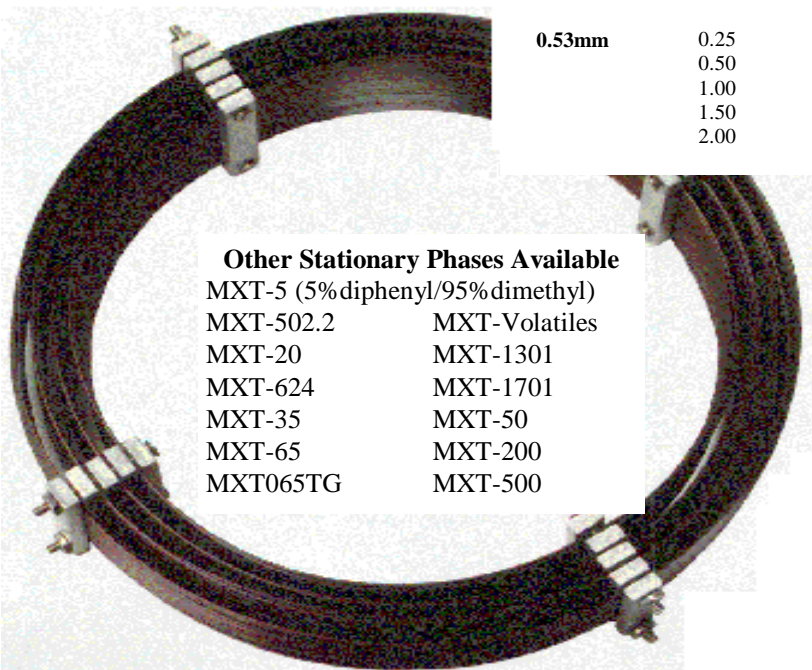
***also available in 105-Meter length (70189)

MXT-WAX (Silcosteel)

Stable to 250C

Crossbond Carbowax - (oxidation resistance)

ID	Df (um)	Temp. limits	15-Meter	30-Meter	60-Meter
0.28mm	0.25	40 to 250C	70621	70624	70627
	0.50	40 to 250C	70636	70639	70642
	1.00	40 to 240C	70651	70654	70657
0.53mm	0.25	40 to 250C	70622	70625	70628
	0.50	40 to 250C	70637	70640	70643
	1.00	40 to 240C	70652	70655	70658
	1.50	40 to 250C	70666	70669	70672
	2.00	40 to 250C	70667	70670	



Other Stationary Phases Available

MXT-5 (5% diphenyl/95% dimethyl)	MXT-Volatiles
MXT-502.2	MXT-1301
MXT-20	MXT-1701
MXT-624	MXT-50
MXT-35	MXT-200
MXT-65	MXT-500
MXT065TG	

- Other IDs Available -
Fused Silica enquire re - MXT sizes
0.32, 0.25, 0.18, 0.15 and 0.10mm
- Standard Lengths
15-, 30-, 60-, and 105-meters
- Film Thickness
0.1um through 10um or thicker if needed !
- Guard Columns Available
Please refer to Restek's Chromatography Products
Catalog for a comprehensive collection of products
Including :
Connectors MXT-LDV
Vu-Union Scoring Wafers