

# 10

## Nano-LC/Micro-LC Columns

YMC Capillary Column ----- 104

Ordering Information----- 105

## YMC Capillary Column

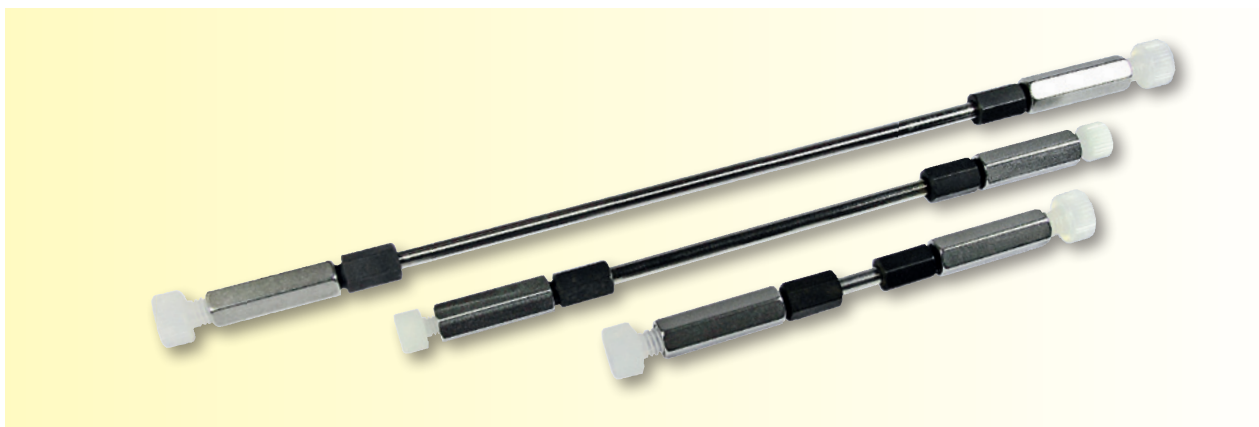
- All YMC phases available
- Suitable for extremely low sample volumes and flow rates

- Inner diameter : 75-500  $\mu\text{m}$
- Column length : 50-150 mm

### Capillary column suitable for Nano-LC and Micro-LC

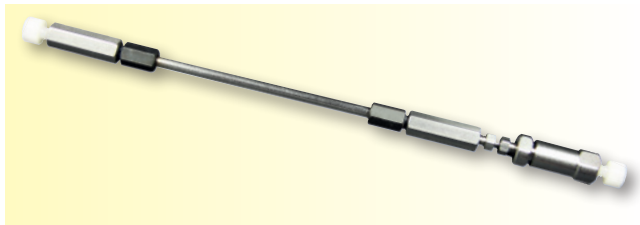
YMC Capillary columns are compatible with Nano-LC/Micro-LC systems. Capillary columns offer improvements in sensitivity, especially at low concentration levels, and dramatically reduced solvent consumption. YMC offers not only C18 columns but also other reversed-phase, normal-phase, and HILIC columns. YMC Capillary columns are suitable for the analysis of peptides, proteins, and nucleic acids.

### YMC Capillary Column



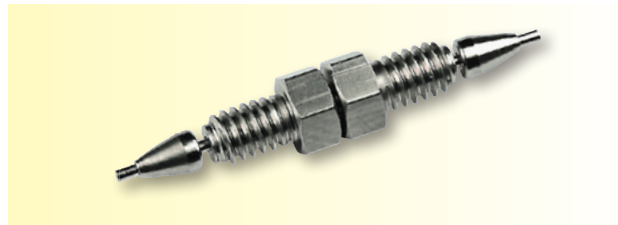
YMC Capillary Columns are available either with 1/16" connections (10-32 thread) or with 1/32" connections (6-40 thread).

### Guard column

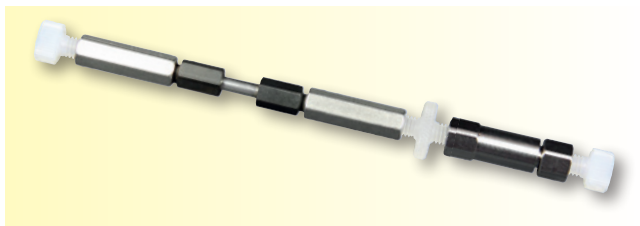


1/32" Fitting Analytical column + Capillary column coupler + Guard column

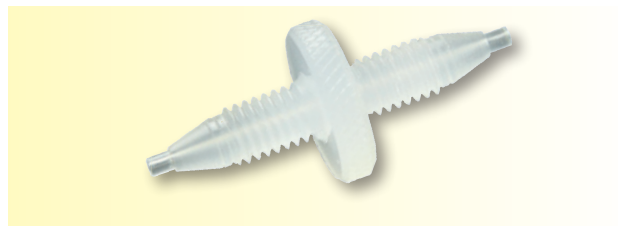
### Capillary column coupler



1/32" Capillary column coupler



1/16" Fitting Analytical column + Capillary column coupler + Guard column



1/16" Capillary column coupler

Guard columns are recommended for challenging matrices or for the use as trapping columns. A column coupler is supplied with every pack of capillary guard cartridges to guarantee the optimum connection with low dead volume. Every coupler can be purchased separately if required.

## Ordering Information –Columns–

The specific product number for a given column consists of two parts describing chemistry and dimension/hardware details. Both parts of the product number can be taken from the tables below:

### First part (chemistry) of the product number

#### YMC-Triart

Phase	Particle size (µm)	Pore size (Å)	Product number
YMC-Triart C18	1.9	120	TA12SP9
	3		TA12S03
	5		TA12S05
YMC-Triart C18 ExRS	1.9	80	TAR08SP9
	3		TAR08S03
	5		TAR08S05
YMC-Triart C8	1.9	120	TO12SP9
	3		TO12S03
	5		TO12S05
YMC-Triart Phenyl	1.9	120	TPH12SP9
	3		TPH12S03
	5		TPH12S05
YMC-Triart PFP	1.9	120	TPF12SP9
	3		TPF12S03
	5		TPF12S05
YMC-Triart Bio C4	1.9	300	TB30SP9
	3		TB30S03
	5		TB30S05
YMC-Triart Diol-HILIC	1.9	120	TDH12SP9
	3		TDH12S03
	5		TDH12S05

#### Pro series

Phase	Particle size (µm)	Pore size (Å)	Product number
YMC-Pack Pro C18	2	120	AS12S02
	3		AS12S03
	5		AS12S05
Hydrosphere C18	2	120	HS12S02
	3		HS12S03
	5		HS12S05
YMC-Pack Pro C18 RS	3	80	RS08S03
	5		RS08S05
YMC-Pack Pro C8	3	120	OS12S03
	5		OS12S05
YMC-Pack Pro C4	3	120	BS12S03
	5		BS12S05

#### YMC-Pack

Phase	Particle size (µm)	Pore size (Å)	Product number
YMC-Pack ODS-A	5	120	AA12S05
		200	AA20S05
		300	AA30S05
YMC-Pack ODS-AQ	5	120	AQ12S05
		200	AQ20S05
YMC-Pack C <sub>8</sub>	5	200	OC20S05
		300	OC30S05
YMC-Pack C <sub>4</sub>	5	200	BU20S05
		300	BU30S05
YMC-Pack TMS	5	120	TM12S05
YMC-Pack Ph	5	120	PH12S05
YMC-Pack CN	5	120	CN12S05
		300	CN30S05
YMCbasic	3	200	BA99S03
			BA99S05
YMC Carotenoid	5	—	CT99S03
			CT99S05
J'sphere ODS-H80	4	80	JH08S04
J'sphere ODS-M80	4	80	JM08S04
J'sphere ODS-L80	4	80	JL08S04
YMC-Pack SIL	5	60	SL06S05
		120	SL12S05
YMC-Pack Diol-NP	5	60	DN06S05
		120	DN12S05
YMC-Pack Polyamine II	5	120	PB12S05
YMC-Pack NH <sub>2</sub>	5	120	NH12S05

### Second part (dimension/hardware) of the product number

Fitting (inch)	Column I.D. (µm)	Column length				Guard column 5 mm length
		50 mm	75 mm	100 mm	150 mm	
1/32	75	-05E8RU	-L5E8RU	-10E8RU	-15E8RU	—
	100	-05F0RU	-L5F0RU	-10F0RU	-15F0RU	—
	300	-05H0RU	-L5H0RU	-10H0RU	-15H0RU	-E5H0RU
	500	-05J0RU	-L5J0RU	-10J0RU	-15J0RU	-E5J0RU
1/16	75	-05E8AU	-L5E8AU	-10E8AU	-15E8AU	—
	100	-05F0AU	-L5F0AU	-10F0AU	-15F0AU	—
	300	-05H0AU	-L5H0AU	-10H0AU	-15H0AU	-E5H0AU
	500	-05J0AU	-L5J0AU	-10J0AU	-15J0AU	-E5J0AU

\*Select column I.D. 300 µm or 500 µm for packing materials with particle size of 1.9 µm and 2 µm

**Example)** YMC-Triart C18, 120 Å, 5 µm, 100 mm X 300 µmI.D., 1/16" ⇒ TA12S05-10H0AU