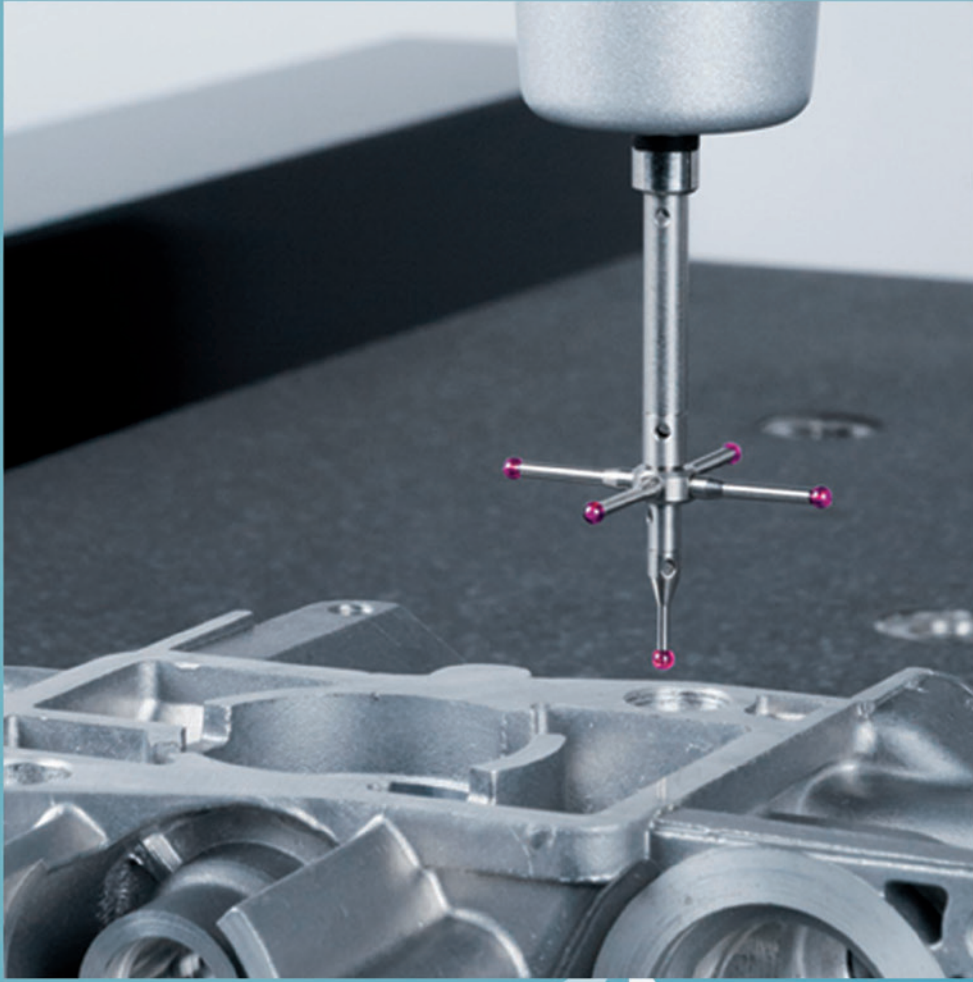
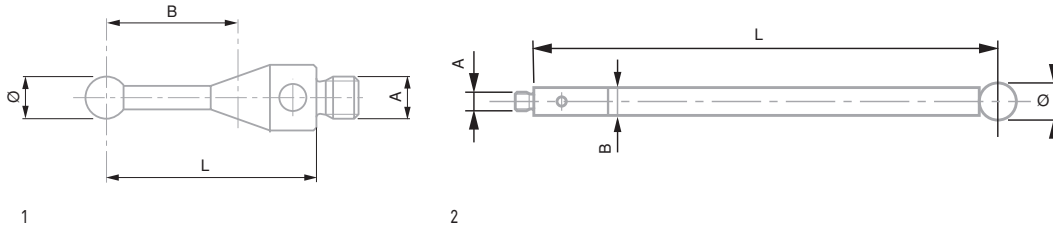


Accessories



Ruby Ball Stylus, M2 Thread

These styli are used for the majority of probing applications. Highly robust, thanks to their manufacture from industrial rubies, they are however very sensitive, thus avoiding any capture of unwanted points during the movements of a 3D machine.

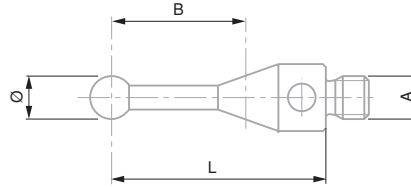


No	Rod	Drawing N°	A mm	Ø mm	L mm	B mm	g
03969201	Inox	1	M2	1	10	4,5	0,3
03969202	Inox	1	M2	2	10	6	0,3
03969203	Inox	1	M2	3	10	7,5	0,4
03969204	Inox	1	M2	4	10	10	0,5
03969205	Inox	1	M2	5	10	10	0,7
03969206	Inox	1	M2	6	10	10	1
03969208	Inox	1	M2	8	11	11	1,5
03969212	Inox	1	M2	2	20	14	0,5
03969213	Inox	1	M2	3	20	17	0,5
03969214	Inox	1	M2	4	20	20,2	0,8
03969220	Tungsten carbide	1	M2	0,5	10	3	0,3
03969221	Tungsten carbide	1	M2	1	20	7	0,6
03969222	Tungsten carbide	1	M2	2	20	15	0,45
03969223	Ceramic	1	M2	3	50	42,5	0,83
03969224	Ceramic	1	M2	4	50	42,5	0,91
03969225	Inox	1	M2	2,5	10	6	0,3
03969226	Tungsten carbide	1	M2	2,5	20	14	0,4
03969259	Tungsten carbide	1	M2	1	27	20,5	0,4
03969260	Carbon	2	M2	4	50	3	1
03969261	Tungsten carbide	1	M2	1,5	30	25	0,58
03969262	Tungsten carbide	1	M2	2	30	25	0,99
03969263	Tungsten carbide	1	M2	3	30	25	1,49
03969267	Tungsten carbide	1	M2	0,7	10	4	0,3
03969268	Tungsten carbide	1	M2	0,3	10	2	0,3
03969269	Tungsten carbide	1	M2	0,5	20	7	0,48
03969271	Tungsten carbide	1	M2	1	20	12,5	0,41
03969272	Tungsten carbide	1	M2	1,5	20	12,5	0,5
03969276	Carbon	2	M2	6	50	50	1,2
03969282	Tungsten carbide	1	M2	2	40	35	1,29
03969283	Tungsten carbide	1	M2	3	40	35	1,97
03969284	Tungsten carbide	1	M2	3	40	35	2,04
03969286	Carbon	2	M2	6	30	30	0,96
03969293	Carbide	1	M2	3	50	42,5	2,44
03969294	Carbide	1	M2	4	50	42,5	2,52
03969295	Tungsten carbide	1	M2	5	50	42,5	3,75



Ruby Ball Stylus, M3 Thread

These styli are used for the majority of probing applications. Highly robust, thanks to their manufacture from industrial rubies, they are however very sensitive, thus avoiding any capture of unwanted points during the movements of a 3D machine.

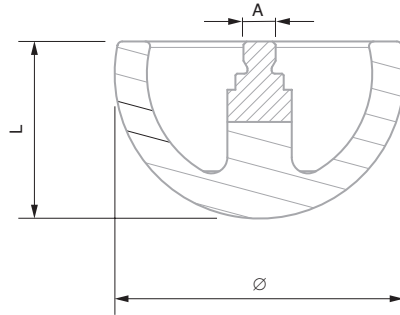


No	Rod	A mm	Ø mm	L mm	B mm	g
03969301	Inox	M3	1	21	4	1,1
03969302	Inox	M3	2	21	8	1,1
03969303	Inox	M3	3	21	12	1,1
03969304	Inox	M3	4	21	17	1,4
03969305	Inox	M3	5	21	21	1,55
03969310	Tungsten carbide	M3	0,5	21	3	1,1
03969312	Tungsten carbide	M3	2	21	15	0,8
03969324	Inox	M3	3	10	–	–
03969326	Inox	M3	6	10	–	–
03969332	Tungsten carbide	M3	2,5	21	12,5	1,3
03969343	Tungsten carbide	M3	3	40	32,5	2,3
03969353	Tungsten carbide	M3	3	50	42,5	2,78



Hemispherical Styli, M2 Thread

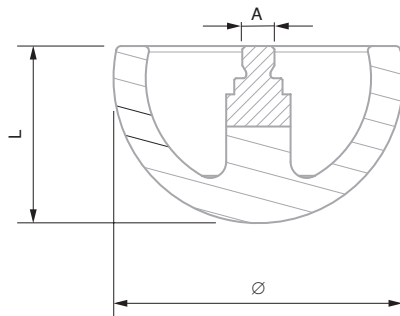
Styli usually made of ceramic are generally used to measure deep bores or to avoid taking into account the unwanted irregularities when measuring.



No	=	Rod	A mm	Ø mm	L mm	B mm	g
03969218	Hemispherical stylus, Ø 18 mm	Ceramic	M2	18	11	-	3,3

Hemispherical Styli, M3 Thread

Styli usually made of ceramic are generally used to measure deep bores or to avoid taking into account the unwanted irregularities when measuring.

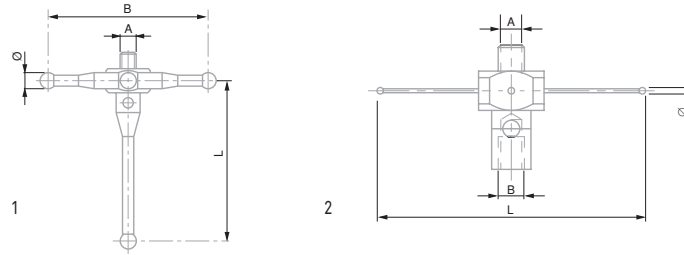


No	=	Rod	A mm	Ø mm	L mm	B mm	g
03969330	Hemispherical stylus, Ø 30 mm	Ceramic	M3	30	17	-	13



Star Styli, M2 Thread

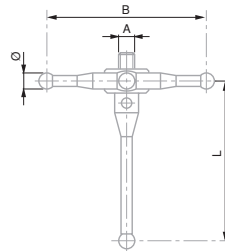
These styli are supplied with several ruby ball tips fixed in different directions. This feature allows a much faster measurement when inspecting internal features without time being wasted by changing the position of a probe.



No	=		Rod	Drawing N°	A mm	Ø mm	L mm	B mm	g
03969055			Inox	1	M2	2	20	20	1,5
03969056			Inox	1	M2	2	20	30	1,8
03969081			Inox	1	M2	2	18	20	1,3
03969082			Inox	1	M2	2	18	30	1,7
03969210			Inox	2	M2	0,5	20	M2	0,7

Star Styli, M3 Thread

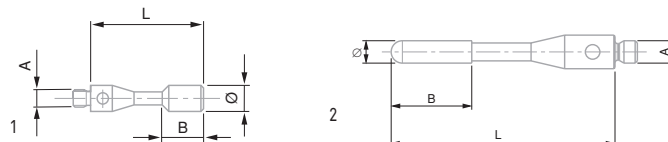
These styli are supplied with several ruby ball tips fixed in different directions. This feature allows a much faster measurement when inspecting internal features without time being wasted by changing the position of a probe.



No	=		Rod	A mm	Ø mm	L mm	B mm	g
03969057			Inox	M3	2	20	20	2,2
03969058			Inox	M3	2	20	30	2,5
03969083			Inox	M3	2	18	20	2,2
03969084			Inox	M3	2	18	30	2,5

Cylindrical Styli, M2 Thread

These styli are principally used for the measurement of threads.

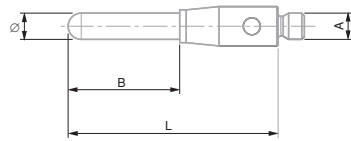


No			Rod	Drawing N°	A mm	Ø mm	L mm	B mm	g
03969251			Inox	1	M2	1,5	11	1,5	0,3
03969252			Inox	1	M2	3	13	3,8	0,6
03969253			Inox	1	M2	3	13	4	0,5
03969292			Tungsten carbide	2	M2	2	20	7,2	0,5



Parallel Styli, M2 Thread

These styli are principally used for the measurement of threads.

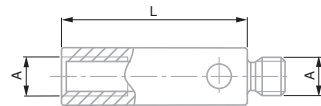


No	Rod	A mm	Ø mm	L mm	B mm	g
03969277	Carbide	M2	0,5	15,3	7,8	0,3
03969278	Carbide	M2	1	35,5	29,8	0,7
03969279	Carbide	M2	2	16	8,5	0,8
03969280	Carbide	M2	2	40	32	2
03969281	Carbide	M2	3	22,5	-	2

Extension M2

The extension allows to enlarge the distance between the probe and the tip of the stylus in order to avoid collision in the depth measurement (e.g. bore).

The use of extensions can greatly reduce the accuracy of the measuring system.

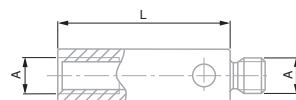


No	Extension	Rod	A mm	Ø mm	L mm	B mm	g
03969230	Extension, L5 mm	Inox	M2	3	5	-	-
03969231	Extension, L10 mm	Inox	M2	-	10	-	0,5
03969232	Extension, L20 mm	Inox	M2	-	20	-	1
03969233	Extension, L30 mm	Inox	M2	-	30	-	1,6
03969234	Extension, L40 mm	Inox	M2	3	40	-	1,8
03969238	Extension, L50 mm	Carbon	M2	3	50	-	1
03969239	Extension, L70 mm	Carbon	M2	3	70	-	1,3
03969240	Extension, L90 mm	Carbon	M2	3	90	-	1,5
03969246	Extension, L40 mm	Ceramic	M2	3	40	-	1,22
03969247	Extension, L50 mm	Ceramic	M2	3	50	-	1,51
03969270	Extension, L40 mm	Carbon	M2	3	40	-	0,9

Extension M3

The extension allows to enlarge the distance between the probe and the tip of the stylus in order to avoid collision in the depth measurement (e.g. bore).

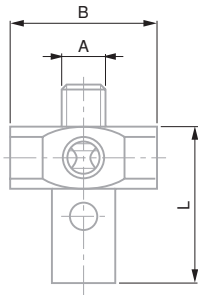
The use of extensions can greatly reduce the accuracy of the measuring system.



No	Extension	Rod	A mm	Ø mm	L mm	B mm	g
03969044	Extension, L10 mm	Inox	M3	-	10	-	0,8
03969045	Extension, L20 mm	Inox	M3	-	20	-	1,8
03969320	Extension, L35 mm	Inox	M3	-	35	-	2,9

Cross-pieces, M2

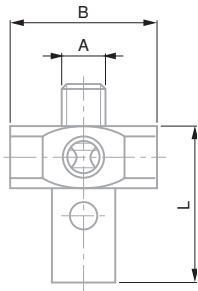
Base on which one or several identical or different kind of styli can be mounted. It can be converted into a star stylus or any other desirable configuration.



No	=		A mm	∅ mm	L mm	B mm	g
03969054	5 way cross shaped stylus M2	Rod Inox	M2	-	7,5	7	1,1

Cross-pieces, M3

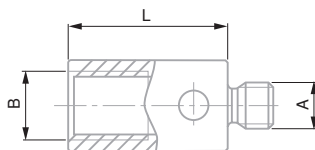
Base on which one or several identical or different kind of styli can be mounted. It can be converted into a star stylus or any other desirable configuration.



No	=		A mm	∅ mm	L mm	B mm	g
03969046	5 way cross shaped stylus M3	Rod Inox	M3	-	13	10	3,7

M2 Adaptors

In some cases, accessories that are directly compatible with a probe are not suitable for specific applications. Therefore, it is possible to use an adaptor in order to mount other styli with different threads on it.

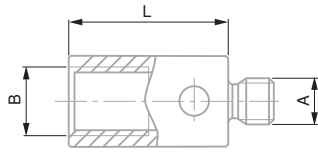


No	=		A mm	∅ mm	L mm	B mm	g
03969061	Adapter M2-M3	Rod Inox	M2	-	7	M3	0,5



M3 Adaptors

In some cases, accessories that are directly compatible with a probe are not suitable for specific applications. Therefore, it is possible to use an adaptor in order to mount other styli with different threads on it.



No	=	Rod	A mm	Ø mm	L mm	B mm	g
03969062	ADAPTER M3-M2	Inox	M3	-	5	M2	0,5

Stylus Tightening Keys

Probes and styli are fragile and sensitive items. A special key is provided for fixing a stylus on the probe in order to prevent any damages caused by over-tightening.



No	=	
047866	Stylus key M2 or M3	



Stylus Kit

In order to perform several types of measurement, it is often necessary to keep several models of styli. This is why TESA has created standard kits, comprising styli for a variety of dimensions as well as extensions to suit.

No		Kit N° 1, M2 03969086	Kit N° 2, M2 03969087	Kit N° 3, M2 + rigid probe 03969089	Kit N° 1, M3 03969101	Kit N° 2, M3 + rigid probe 03969040
03969085	Case for accessories	1				
047866	Stylus key M2 or M3	2				
049652	Key	2				
050697	Tightening key for carbon fibre styli	2				
03969231	Extension, inox, M2, L = 10 mm	1	1	1		
03969232	Extension, inox, M2, L = 20 mm	1	1	1		
03969233	Extension, inox, M2, L = 30 mm		1			
03969270	Extension, carbone, M2, L = 40 mm	1				
03969044	Extension, inox, M3, L = 10 mm				1	1
03969045	Extension, inox, M3, L = 20 mm				1	1
03969054	5 way cross shaped stylus, inox, M2	1		1		
03969046	5 way cross shaped stylus, inox, M3				1	1
03969082	5 way cross shaped stylus, inox, M2	1				
03969201	Stylus, inox, ruby ball tip, M2, Ø 1 mm, L = 10 mm		1			
03969202	Stylus, inox, ruby ball tip, M2, Ø 2 mm, L = 10 mm	1	1			
03969203	Stylus, inox, ruby ball tip, M2, Ø 3 mm, L = 10 mm		1			
03969204	Stylus, inox, ruby ball tip, M2, Ø 4 mm, L = 10 mm	1	1			
03969212	Stylus, inox, ruby ball tip, M2, Ø 2 mm, L = 20 mm	2		1		
03969213	Stylus, inox, ruby ball tip, M2, Ø 3 mm, L = 20 mm	2		1		
03969221	Stylus, carbide, ruby ball tip, M2, Ø 1 mm, L = 20 mm	1				
03969260	Stylus, carbone ruby ball tip, M2, Ø 4 mm, L = 50 mm	1				
03969302	Stylus, inox, ruby ball tip, M3, Ø 2 mm, L = 21 mm				1	1
03969303	Stylus, inox, ruby ball tip, M3, Ø 3 mm, L = 21 mm				1	1
03969304	Stylus, inox, ruby ball tip, M3, Ø 4 mm, L = 21 mm				1	1
03969214	Stylus, inox, ruby ball tip, Ø 4 mm, L = 20 mm			1		
03969047	Rigid probe, Ø 6.35 mm			1		1



PLASTIFORM

PLASTIFORM moulding pastes allow print molding of complex internal machined parts, which can then be viewed and checked using optical, non-contact measuring equipment. PLASTIFORM mixing pastes» consist of two components, which have to be mixed in equal proportion to ensure proper polymerization. The test object to be reproduced by print molding must be perfectly clean and grease-free before applying Plastiform.

BAD

Fluid consistency best suited for moulding internal and full prints of small and medium sizes. Medium elasticity (10 % of the core) allows prints to be removed in most cases. Reproduces the finest details and can be used for indirect inspection of the surface finish by sight comparison with use of master roughness specimens. Easily cut with the special cutter.

DAV

DAV of fluid consistency best suited for moulding internal and full prints of small and medium sizes. High elasticity (20 % of the core) allows hard prints to be removed such as large re-entrant angle, groove, complex internal shape. Reproduces fine details. Difficult to cut with the special cutter. Print will be preferably checked as a whole.

RGX80

RGX80 is the hardest product of the cartridge range. Pasty consistency best suited for moulding whole internal prints having varying sizes. Weak stretching property and elasticity make it appropriate for easily removable moulding prints.

LKAD

Malleable consistency best suited for moulding internal, external and sectorial prints of small and medium sizes. Applied by hand. Low elasticity (from 1 to 2% of the core) makes it convenient for moulding prints that are removed with ease. Also appropriate for prints held mechanically if desired. Easily cut with the cutter.

PLASTIFORM Set

PLASTIFORM full case Consisting of:

- 1 DS50 injection handle
- 1 Cutter, special with two parallel blades
- 1 PLASTIN (200 g)
- 50 Mixer-Injectors
- 10 Injector end pieces
- 1 DN1 spot remover, 400 ml 21 Rings for mould removal
- 3 PLASTIFORM BAD 50 ml
- 3 PLASTIFORM DAV 50 ml
- 2 PLASTIFORM RGX80 50 ml



- Shrinking: less than 1 µm/mm after removal of the mould. Stability: physical properties allow to produce prints which do not deteriorate with time. They will neither be affected by surroundings – hence usable as master standards.
- Components with additives free from chlorine, fluorine or sulfur. Being non-toxic and on-polluting can be used with no special restriction
- Temperature 20°C
- < 10°C: no more polymerization

No **=**
06869122 PLASTIFORM Full case

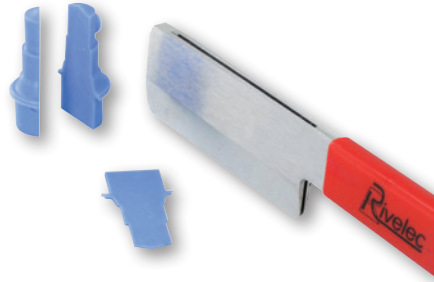
Properties

	BAD	DAV	RGX80	LKAD
Consistency (max 15)	Fluid (2)	Fluid (4,5)	Pasty	Malleable
Hardness (shore A)	50	20	80	70
Cut using the dual-blade cutter	Easy	Uneasy	Easy	Easy
Check	●	–	●	●
– With contact	●	●	●	●
– Without contact	–	–	●	–
Elasticity	Flexible	Highly flexible	Rigid	Rigid

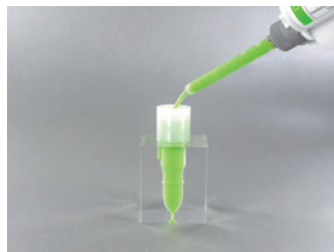


Accessories for PLASTIFORM

- BAD, DAV, RGX80, LKAD Cartridges
- Plastin
- Tests kits
- Mixers-injectors
- Cutter, special with two parallel blades
- Injector nozzles DS50
- DN1 spot remover, aerosol can, 400 ml



No	=
06869101	PLASTIFORM BAD 8 x 50 ml
06869102	PLASTIFORM DAV 8 X 50 ml
06869106	Mixing injectors, box of 50 pcs
06869107	Mixing injectors, box of 100 pcs
06869108	Mixing injectors, box of 200 pcs
06869109	Fine nozzles box of 20 pcs
06869110	Plastincine, 200 gr
06869111	Special cutter with two parallel blades
06869112	Plastiform pistol DS50
06869113	Degreasing DN1, aerosol 400 ml
06869118	PLASTIFORM RGX8 50 ml
06869119	PLASTIFORM Lite KIT BAD
06869120	PLASTIFORM Lite KIT DAV
06869121	PLASTIFORM LK-AD



TRADEMARKS REGISTERED



TECHNOLOGY



- TESA
- TESA fig.
- ALESOMETRE
- CAPA μ SYSTEM fig.
- COMPAC
- COMPAC fig.
- COMPAC GENEVE fig.
- DIAMASTER
- DIGICO
- DIGIT-CAL
- DIGITMASTER
- DURA-CAL
- ETALON
- ETALON fig.
- ETALON SWITZERLAND fig.
- IMICRO
- INOTEST
- INTERAPID
- INTERAPID fig.
- ISOMASTER
- JUNIOR fig.
- MAGNA μ SYSTEM fig.
- MERCER
- MESOBOR
- MICRO-HITE
- MICROMASTER
- μ HITE fig.
- ROCH FRANCE fig.
- RUGOSURF fig.
- SHOPCAL
- STANDARD GAGE fig.
- TESA DIGITMASTER
- TESA DUOTAST
- TESA EAGLE fig.
- TESA-HITE
- TESA MEMO-HITE
- TESA MICRO-HITE
- TESA SWISSCAL
- TESA SWISSTAST
- TESACAL
- TESADIA
- TESADIGIT
- TESAMASTER
- TESA- μ HITE fig.
- TESANORM fig.
- TESA-SCOPE
- TESASTAR
- TESASTAR fig.
- TESATAST
- TESATRONIC
- TESATRONIC MULTILINE
- TRI-O-BOR
- TRIOMATIC
- UNIMASTER
- UNITEST
- UNITEST fig.
- VERIBOR

