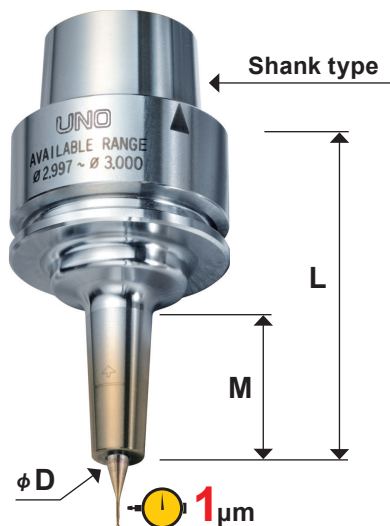


UNO



Run-out accuracy **1 μm**



E32 - SL SA 3 - 50 - M22 UNO

Shank type

SLIMLINE

φD

L

Effective length

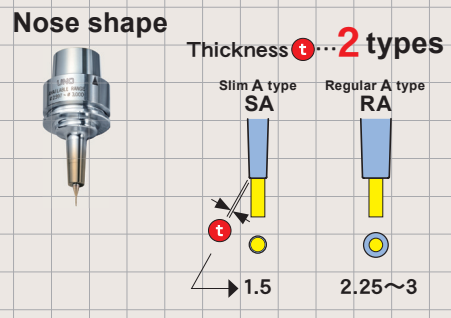
UNO
BLACK UNO

UNO

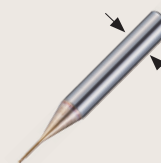
E25
E32
E40
E50
F63

BLACK UNO

E25
E32



Required cutter shank tolerance



- φD=h4 tolerance
- Roundness = 0.3 μm
- Cylindricity = 0.5 μm

Recommended cutting tools



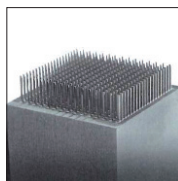
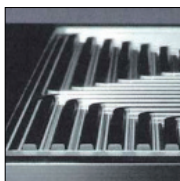
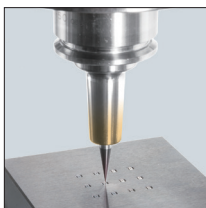
株式会社 イフタツール
IWATA TOOL Co., Ltd.

NS TOOL

住友電工
SUMITOMO ELECTRIC

MOLDINO
The Edge To Innovation

KYOWA

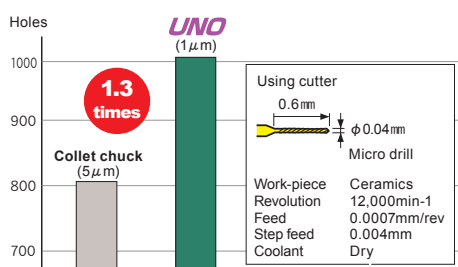


It allows superior finishing surface quality and extends the tool life of micro-cutting tools.

Runout accuracy

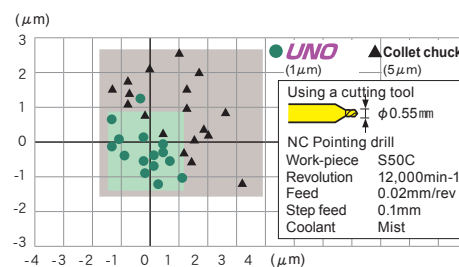
Tool life

Number of machined small-diameter holes



Positioning accuracy

Dispersion of run-out of drill and hole positioning accuracy



Eye-mark (▲) at the highest run-out direction.

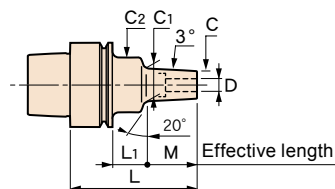
We inspect all the holders and mark "▲" at the highest run-out point.



Delivered with the accuracy inspection sheet.

UNO

E32-SLRA4-50-M22 UNO



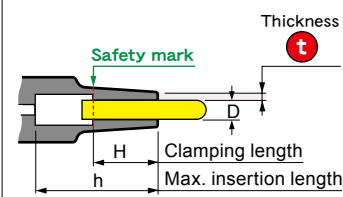
Thickness

■Note

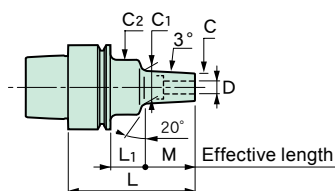
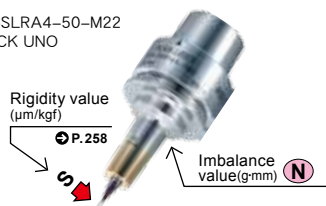
- SLIMLINE UNO is available for other shank designs and internal bore sizes not listed in this chart. For more information, please contact us.

■Caution

- HSK-E and F shank don't come with a coolant duct and cannot be attached. Consult us if you need it.
- Setting cutters · · · Be sure to insert the tool beyond the Safety mark.



CODE	ϕD	ϕC	t	L	M	L ₁	ϕC_1	ϕC_2	H	h	Kg	$\textcircled{N}$	$\textcircled{S}$
E25-SLRA3-35 UNO	3	7.5	2.25	35	17	8	9.3	18	9	29	0.05	0.37	2.3
-SLRA4-35 UNO	4	10	3				11.8		12		0.06	0.38	1.4
-SLSA3.175-35 UNO	3.175	6.175	1.5				8		9		0.05	0.37	3.5
E32-SLRA3-50-M22 UNO	3	7.5	2.25	50	22	8	9.8	20	9	42	0.14	0.4	2.8
-SLRA4-50-M22 UNO	4	10	3				12.3		12	35	0.15		1.7
-SLSA3.175-50-M22 UNO	3.175	6.175	1.5				8.5		9	42	0.14		4.4
E40-SLRA3-50-M22 UNO	3	7.5	2.25	50	22	8	9.8	20	9	42	0.2	0.7	2.8
-SLRA4-50-M22 UNO	4	10	3				12.3		12				1.6
-SLSA3.175-50-M22 UNO	3.175	6.175	1.5				8.5		9				4.4
E50-SLRA3-75-M22 UNO	3	7.5	2.25	75	22	27	9.8	25	9	65	0.5	1.7	2.8
-SLRA4-75-M22 UNO	4	10	3				12.3		12				1.7
F63-SLRA3-75-M22 UNO	3	7.5	2.25	75	22	27	9.8	25	9	54	0.7	1.8	2.8
-SLRA4-75-M22 UNO	4	10	3				12.3		12	58			1.7

BLACK UNOE32-SLRA4-50-M22
BLACK UNO

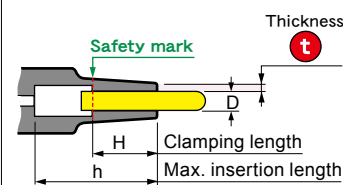
Thickness

■Note

- $\phi 6$ cutter shank is available upon request.

■Caution

- HSK-E shank doesn't come with a coolant duct and cannot be attached. Consult us if you need it.
- Setting cutters · · · Be sure to insert the tool beyond the Safety mark.



CODE	ϕD	ϕC	t	L	M	L ₁	ϕC_1	ϕC_2	H	h	Kg	$\textcircled{N}$	$\textcircled{S}$
E25-SLRA3-35 BLACK UNO	3	7.5	2.25	35	17	8	9.3	18	9	29	0.05	0.37	2.3
-SLRA4-35 BLACK UNO	4	10	3				11.8		12		0.06	0.38	1.4
-SLSA3.175-35 BLACK UNO	3.175	6.175	1.5				8		9		0.05	0.37	3.5
E32-SLRA3-50-M22 BLACK UNO	3	7.5	2.25	50	22	8	9.8	20	9	42	0.14	0.4	2.8
-SLRA4-50-M22 BLACK UNO	4	10	3				12.3		12	35	0.15		1.7
-SLSA3.175-50-M22 BLACK UNO	3.175	6.175	1.5				8.5		9	42	0.14		4.4

Holder stand Φ P.13