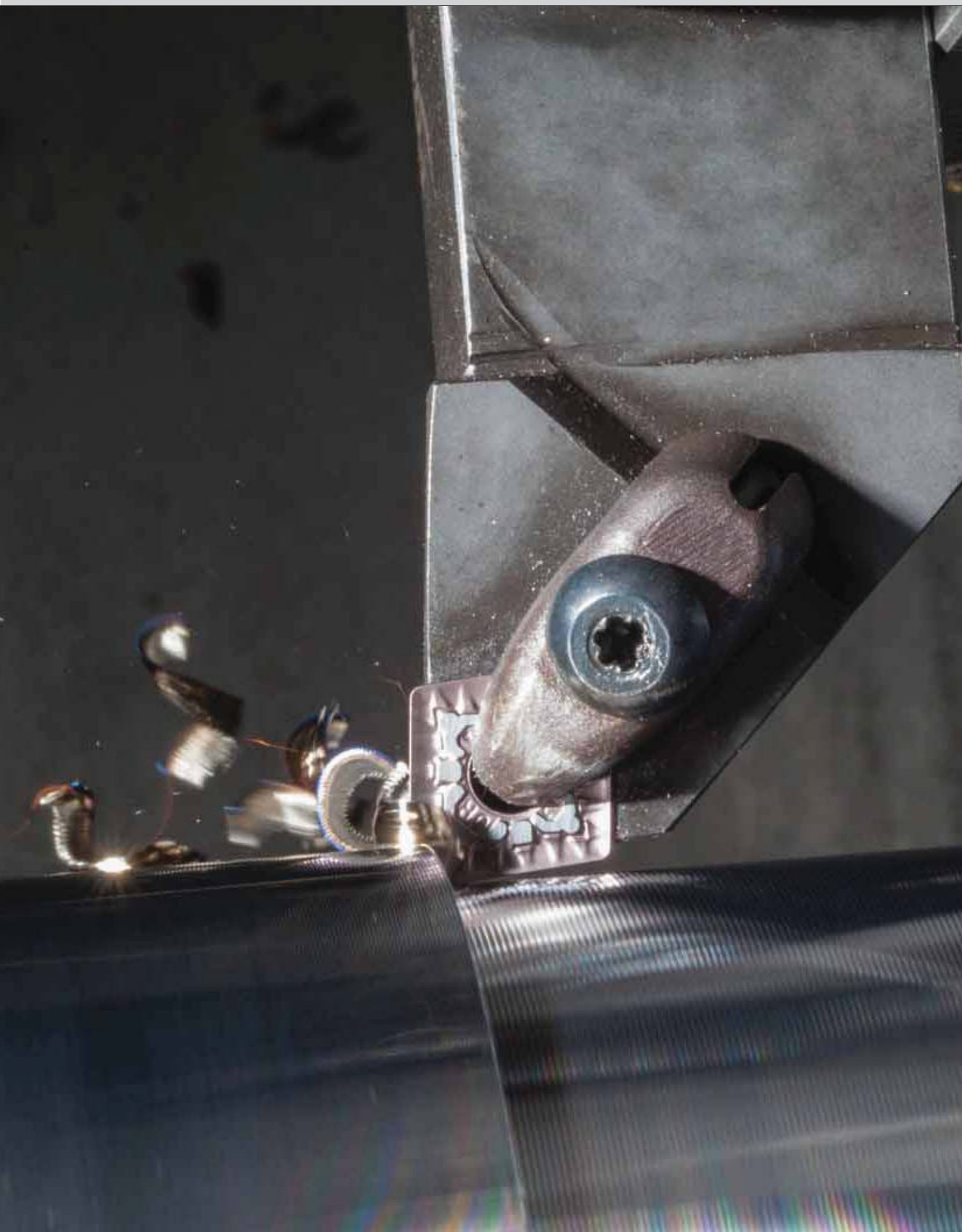




2017 Master Catalog

WIDIA  TM



Modern machining operations demand high-quality, high-performance toolholders that provide straightforward design and application versatility.

Standard WIDIA™ cartridges are ideal for turning tools with one, or several, cutting edges. A wide range of cartridge sizes and styles provide numerous combinations and application possibilities.

Cartridges



Clamping System M

- Combined pin/wedge clamp for negative inserts.
- An extremely sturdy clamping system, specially designed for interrupted cuts.
- The tool is protected by a carbide shim.

Clamping System P

- Lever-type clamping system for negative indexable inserts with hole to DIN 4988 and positive round inserts more than 20mm in diameter.
- Inserts with one- and two-side chip control geometries have positive rakes from 6° to 18°.
- Advantages of this system are fast insert changes and no interference with chip flow.

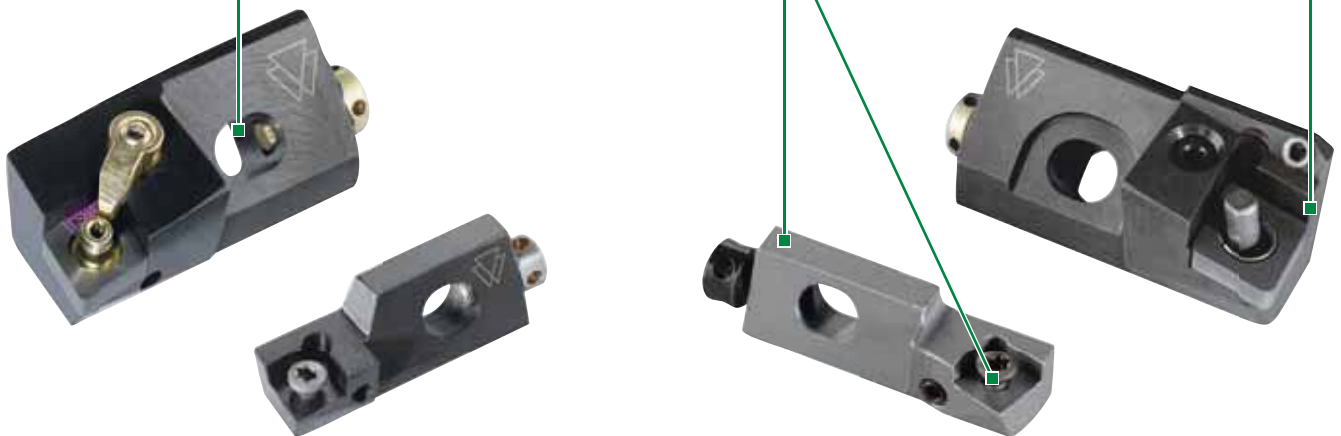
P-style available in metric sizes only.



Simple and secure mounting to the tool by a single cartridge clamping screw. High accuracy on "F" dimension ensures proper application to minimum bore dimensions.

Same clamping systems as standard turning toolholders. Overall sizes to DIN and ISO are ideal for single- and multi-tooth turning, boring, and spotting tools.

Precise axial and radial positioning by adjustment screws.



Clamping System C

- Top clamping system for negative and positive indexable inserts to DIN 4968.
- This universal clamping system is robust and easy to handle.
- Some height-adjustable clamps enable the use of additional chipbreakers.
- A carbide shim provides additional tool protection.



Clamping System S

- Screw clamping system for positive indexable inserts with countersunk hole to DIN 4967.
- Compact design using a minimum of spare parts for high reliability and cost efficiency.
- A carbide shim provides additional tool protection.
- Toolholders with cutting edge heights upwards of .625" (16mm) and insert iCs from .375" (9,52mm) are secured by means of a threaded bushing.

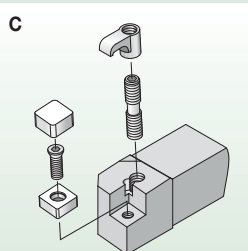
How Do Catalog Numbers Work?

Each character in our catalog number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.

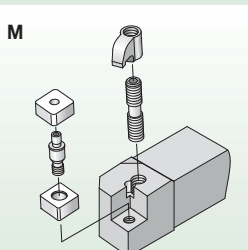
Cartridges		Clamping System		Insert Shape		Cartridge Style		Insert Clearance Angle		Hand of Tool	
MCFNR10CA3		M		C		F		N		R	

M

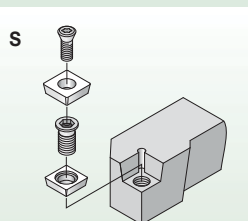
Insert
Clamping System



Top clamping by clamping finger for inserts without hole.



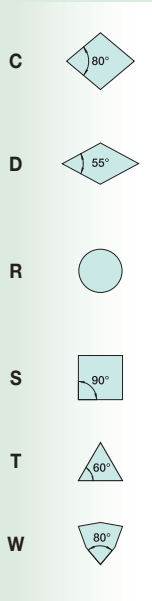
Top and hole clamping for inserts with hole.



Center clamping by screw for inserts with hole.

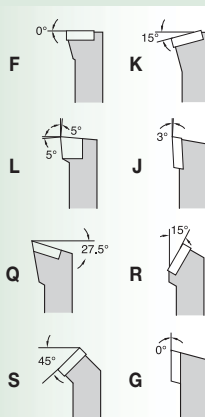
C

Insert Shape



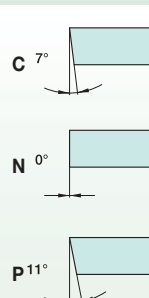
F

Cartridge
Style



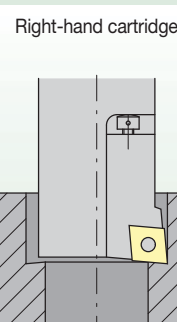
N

Insert Clearance
Angle

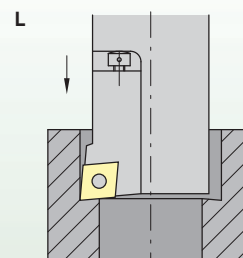


R

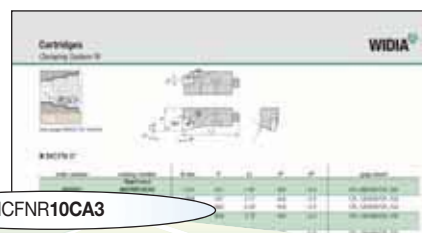
Hand of Tool



Left-hand cartridge



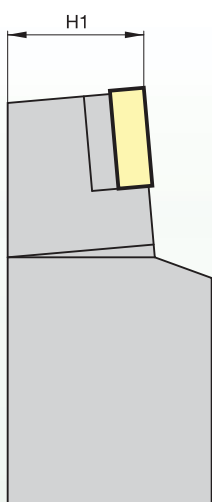
By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



MCFNR10CA3

10

Cartridge Size



H1 = Cutting edge height of cartridge, in inches

C

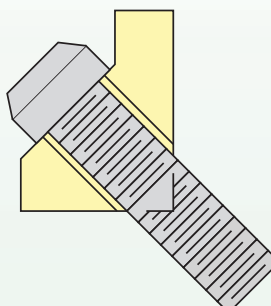
Identifying Code of Cartridge

C = Cartridge

A

Mounting Design of Cartridge

A-design conforming to ISO 5611



3

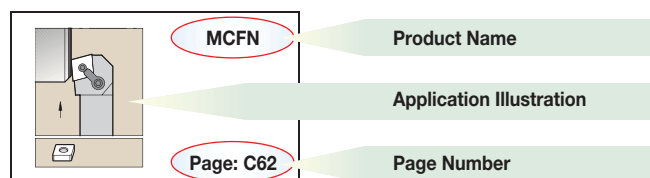
Insert Size



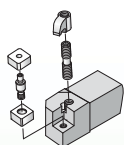
Insert iC
Number of 1/8ths of "D"

Additional Information

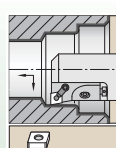
Each unique clamping system offers product options to fill your specific toolholder needs. Find the illustration that fits your application and navigate to the corresponding page to get the correct solution.



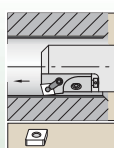
Clamping System M

M


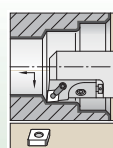
Combined pin/wedge clamp for negative inserts. An extremely sturdy clamping system, specially designed for interrupted cuts. The tool is protected by a carbide shim.


MCFN

0°

Page:
C62

MCKN

15°

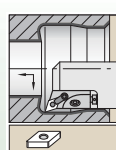
Page:
C63

MCLN

-5°

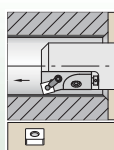
Page:
C64

MDJN

-3°

Page:
C65

MDQN

-17.5°

Page:
C66

MSKN

15°

Page:
C67

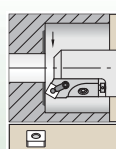
MSRN

15°

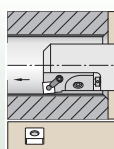
Page:
C68

MSSN

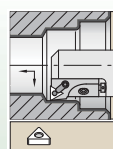
45°

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C69

MSTN

30°

Page:
C70

MSYN

5°

Page:
C71

MTFN

0°

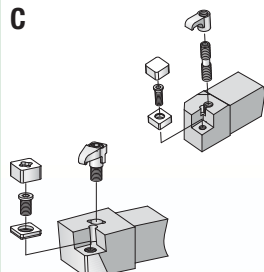
Page:
C72

MTGN

0°

Page:
C73

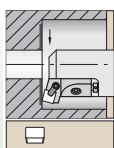
Clamping System C

C


Top clamping system for negative and positive indexable inserts to DIN 4968. This universal clamping system is robust and easy to handle. Some height-adjustable clamps enable the use of additional chipbreakers. A carbide shim provides additional tool protection. Toolholders with cutting edge heights upwards of .625" and insert iCs greater than .250".


CSKP

15°

Page:
C74

CSRP

15°

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C75

CSSP

45°

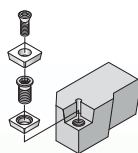
Page:
C76

CTFP

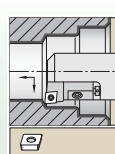
0°

Page:
C77

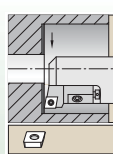
Clamping System S

S


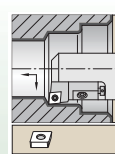
Combined pin/wedge clamp for negative inserts. An extremely sturdy clamping system, specially designed for interrupted cuts. The tool is protected by a carbide shim.


SCFP

0°

Page:
C78

SCGP

0°

Page:
C79

SCLC

-5°

Page:
C80

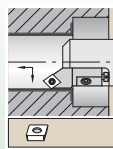
SCLP

-5°

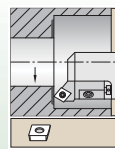
Page:
C81

SCRP

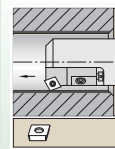
15°

Page:
C82

SCSP

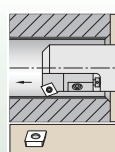
45°

Page:
C83

SCTP

30°

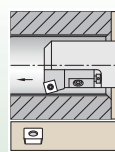
Page:
C84

SCWP

30°

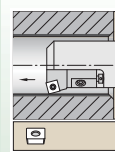
Page:
C85

SDJP

-3°

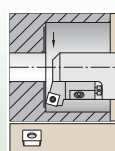
Page:
C86

SRGC
Page:
C87

SSKC

15°

Page:
C88

SSKP

15°

Page:
C89

SSRC

15°

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C90

SSRP

15°

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C91

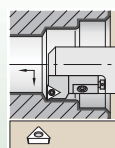
SSSC

45°

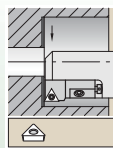
Page:
C92

SSSP

45°

Page:
C93

STFP

0°

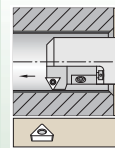
Page:
C94

STGP

0°

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C95

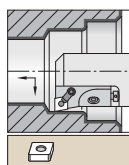
STTP

30°

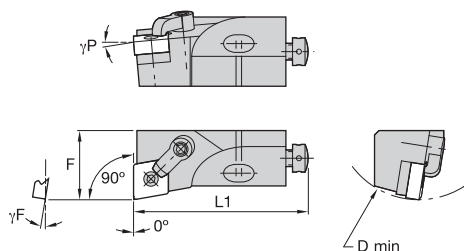
Page:
C96

STWP

30°

Page:
C97



See pages B30–B46
for inserts.



■ MCFN 0°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870421	MCFNR10CA3	1.575	.551	1.97	-9.0	-9.0	CN..090308/CN..322
3870420	MCFNR12CA4	1.969	.787	2.17	-9.0	-5.0	CN..120408/CN..432
3870419	MCFNR16CA4	2.362	.984	2.48	-9.0	-5.0	CN..120408/CN..432
3870418	MCFNR20CA4	2.756	.984	2.76	-9.0	-5.0	CN..120408/CN..432
left hand							
3870423	MCFNL12CA4	1.969	.787	2.17	-9.0	-5.0	CN..120408/CN..432
3870422	MCFNL16CA4	2.362	.984	2.48	-9.0	-5.0	CN..120408/CN..432

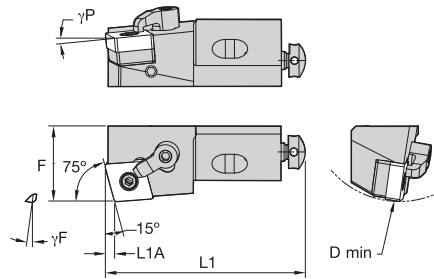
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	—	KLM33	2 mm	CKM36	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	ICSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050
2.756	ICSN432	KLM46	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



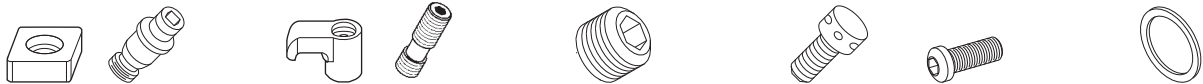
See pages B30–B46 for inserts.



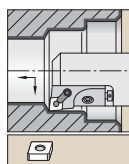
MCKN 15°

order number	catalog number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
3870416	MCKNR12CA4	1.969	.787	2.17	.12	-9.0	-5.0	CN..120408/CN..432
3870415	MCKNR16CA4	2.362	.984	2.48	.12	-9.0	-5.0	CN..120408/CN..432
left hand								
3870417	MCKNL12CA4	1.969	.787	2.17	.12	-9.0	-5.0	CN..120408/CN..432

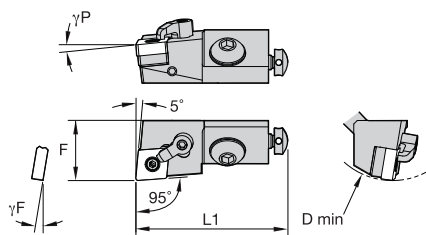
Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	ICSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B30–B46
for inserts.



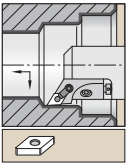
■ MCLN -5°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870410	MCLNR12CA4	1.969	.787	2.17	-9.0	-5.0	CN..120408/CN..432
3870409	MCLNR16CA4	2.362	.984	2.48	-9.0	-5.0	CN..120408/CN..432
3870408	MCLNR20CA4	2.756	.984	2.76	-9.0	-5.0	CN..120408/CN..432
3870407	MCLNR25CA6	3.937	1.260	3.94	-9.0	-5.0	CN..190612/CN..643
left hand							
3870414	MCLNL12CA4	1.969	.787	2.17	-9.0	-5.0	CN..120408/CN..432
3870413	MCLNL16CA4	2.362	.984	2.48	-9.0	-5.0	CN..120408/CN..432
3870412	MCLNL20CA4	2.756	.984	2.76	-9.0	-5.0	CN..120408/CN..432
3870411	MCLNL25CA6	3.937	1.260	3.94	-9.0	-5.0	CN..190612/CN..643

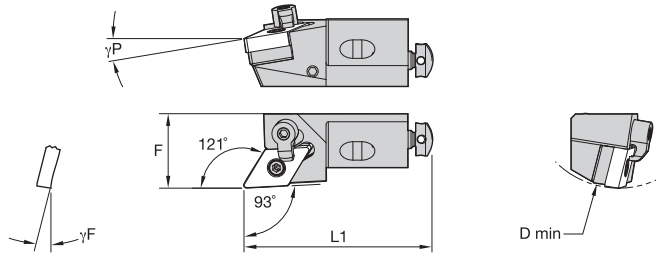
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	—	4 mm	CSWM 060 050
2.362	ICSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	—	5 mm	CSWM 080 050
2.756	ICSN432	KLM46	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	—	5 mm	CSWM 080 050
3.937	ICSN633	KLM68	4 mm	CKM35	STCM8	4 mm	KUAM27	4 mm	KUAM32	—	MS364	8 mm	CSWM 100 080



See pages B47–B64 for inserts.



MDJN -3°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870405	MDJNR16CA4	2.362	.984	2.48	-9.0	-9.0	DN..150408/DN..3.532
3870404	MDJNR20CA4	2.756	.984	2.76	-8.5	-8.5	DN..150408/DN..3.532
left hand							
3870406	MDJNL16CA4	2.362	.984	2.48	-9.0	-9.0	DN..150408/DN..3.532

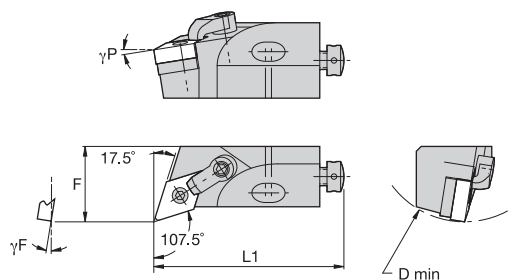
Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
2.362	IDSN432	KLM46S	2.5 mm	CKM36	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050
2.756	IDSN432	KLM46	2.5 mm	CKM41	STCM40	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B47–B64
for inserts.



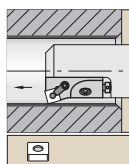
MDQN -17.5°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870361	MDQNR16CA4	2.362	.984	2.48	-9.0	-6.0	DN..150408/DN..3.532
3870360	MDQNR20CA4	2.756	.984	2.76	-9.0	-8.0	DN..150408/DN..3.532
left hand							
3870403	MDQNL16CA4	2.362	.984	2.48	-9.0	-6.0	DN..150408/DN..3.532
3870362	MDQNL20CA4	2.756	.984	2.76	-9.0	-8.0	DN..150408/DN..3.532

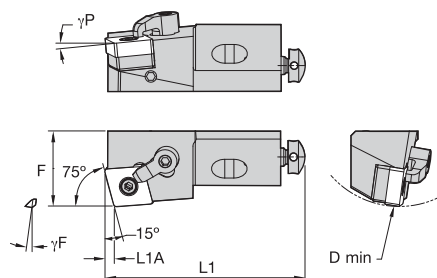
Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
2.362	IDSN432	KLM46S	2.5 mm	CKM36	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050
2.756	IDSN432	KLM46	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B68–B80 for inserts.



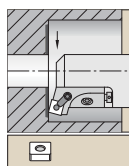
■ MSKN 15°

order number	catalog number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
3870352	MSKNR10CA3	1.575	.551	1.97	.09	-9.0	-5.0	SN..090308/SN..322
3870351	MSKNR12CA4	1.969	.787	2.17	.12	-9.0	-5.0	SN..120408/SN..432
3870350	MSKNR16CA4	2.362	.984	2.48	.12	-9.0	-5.0	SN..120408/SN..432
3870349	MSKNR20CA5	2.756	.984	2.76	.15	-9.0	-5.0	SN..150612/SN..543
3870348	MSKNR25CA6	3.937	1.260	3.94	.18	-9.0	-5.0	SN..190612/SN..543
left hand								
3870356	MSKNL10CA3	1.575	.551	1.97	.09	-9.0	-5.0	SN..090308/SN..322
3870354	MSKNL16CA4	2.362	.984	2.48	.12	-9.0	-5.0	SN..120408/SN..432
3870353	MSKNL20CA5	2.756	.984	2.76	.15	-9.0	-5.0	SN..150612/SN..543

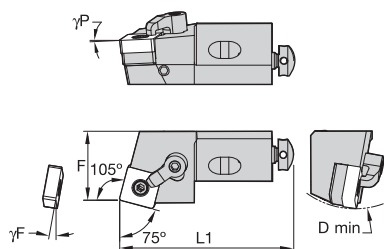
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
1.575	—	KLM33	2 mm	CKM36	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	—	4 mm	CSWM 060 050
2.362	ISSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	—	5 mm	CSWM 080 050
2.756	SKSN566K	KLM54	2.5 mm	CKM37	STCM40	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	—	5 mm	CSWM 080 050
3.937	ISSN633	KLM68	4 mm	CKM35	STCM8	4 mm	KUAM27	4 mm	KUAM32	—	MS364	8 mm	CSWM 100 080



See pages B68–B80
for inserts.



■ MSRN 15°

order number	catalog number	D min	F	L1	FA	γF°	γP°	gage insert
right hand								
3870344	MSRNR10CA3	1.575	.551	1.97	.087	-9.0	-5.0	SN..090308/SN..322
3870343	MSRNR12CA4	1.969	.787	2.17	.119	-9.0	-5.0	SN..120408/SN..432
3870341	MSRNR20CA5	2.756	.984	2.76	.147	-9.0	-5.0	SN..150612/SN..543
left hand								
3870347	MSRNL12CA4	1.969	.787	2.17	.119	-9.0	-5.0	SN..120408/SN..432
3870346	MSRNL16CA4	2.362	.984	2.48	.119	-9.0	-5.0	SN..120408/SN..432
3870345	MSRNL20CA5	2.756	.984	2.76	.147	-9.0	-5.0	SN..150612/SN..543

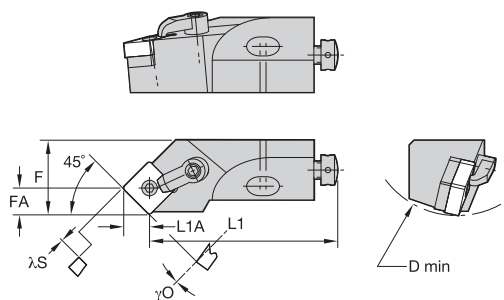
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	—	KLM33	2 mm	CKM36	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	ISSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050
2.756	SKSN566K	KLM54	2.5 mm	CKM37	STCM40	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B68–B80 for inserts.



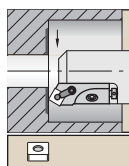
■ MSSN 45°

order number	catalog number	D min	F	L1	FA	L1A	λS°	γO°	gage insert
right hand									
3870336	MSSNR10CA3	1.575	.551	1.73	.252	.24	-13.0	.0	SN..090308/SN..322
3870335	MSSNR12CA4	1.969	.787	1.85	—	.33	-13.0	.0	SN..120408/SN..432
3870334	MSSNR16CA4	2.362	.984	2.09	.343	.33	-13.0	.0	SN..120408/SN..432
3870333	MSSNR20CA5	2.756	.984	2.36	.560	.40	-13.0	.0	SN..150612/SN..543
left hand									
3870340	MSSNL10CA3	1.575	.551	1.73	.252	.24	-13.0	.0	SN..090308/SN..322
3870339	MSSNL12CA4	1.969	.787	1.85	—	.33	-13.0	.0	SN..120408/SN..432
3870338	MSSNL16CA4	2.362	.984	2.09	.343	.33	-13.0	.0	SN..120408/SN..432

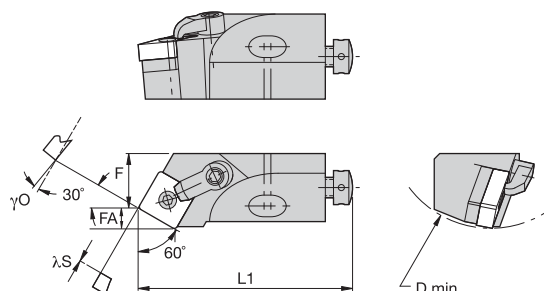
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	—	KLM33	2 mm	CKM36	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	ISSN432	KLM46S	2.5 mm	CKM36	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050
2.756	Sksen566K	KLM54	2.5 mm	CKM37	STCM40	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B68–B80 for inserts.



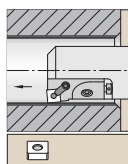
■ MSTN 30°

order number	catalog number	D min	F	L1	FA	λS°	γO°	gage insert
right hand								
3870312	MSTNR10CA3	1.575	.354	1.97	.524	-11.0	.0	SN..090308/SN..322
3870311	MSTNR12CA4	1.969	.512	2.17	.231	-11.0	.0	SN..120408/SN..432
3870310	MSTNR16CA4	2.362	.591	2.48	.232	.0	-11.0	SN..120408/SN..432

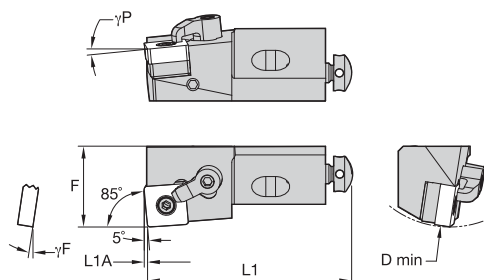
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	—	KLM33	2 mm	CKM36	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	ISSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



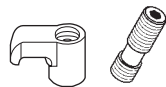
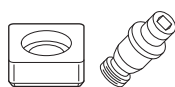
See pages B68–B80 for inserts.



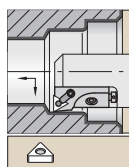
■ MSYN 5°

order number	catalog number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
3870308	MSYNR10CA3	1.575	.551	1.97	.03	-9.0	-5.0	SN..090308/SN..322
3870307	MSYNR12CA4	1.969	.787	2.17	.04	-9.0	-5.0	SN..120408 / SN..432
3870306	MSYNR16CA4	2.362	.984	2.48	.04	-9.0	-5.0	SN..120408 / SN..432
3870305	MSYNR25CA6	3.937	1.260	3.94	.06	-9.0	-5.0	SN..190612/SN..643
left hand								
3870309	MSYNL10CA3	1.575	.551	1.97	.03	-9.0	-5.0	SN..090308/SN..322

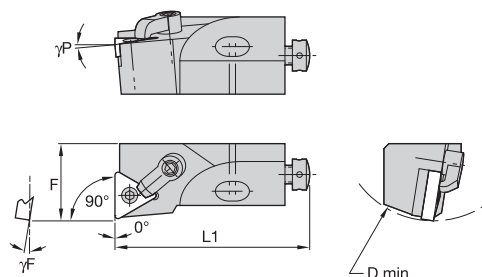
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
1.575	—	KLM33	2 mm	CKM36	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050
1.969	—	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	—	4 mm	CSWM 060 050
2.362	ISSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	—	5 mm	CSWM 080 050
3.937	ISSN633	KLM68	4 mm	CKM35	STCM8	4 mm	KUAM27	4 mm	KUAM33	—	MS364	8 mm	CSWM 100 080



See pages B81–B93 for inserts.



MTFN 0°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871303	MTFNR12CA3	1.969	.787	2.17	-9.0	-5.0	TN..160408/TN..332
3871302	MTFNR16CA3	2.362	.984	2.48	-9.0	-5.0	TN..160408/TN..332
3871301	MTFNR20CA4	2.756	.984	2.76	-9.0	-5.0	TN..220408/TN..432
3871300	MTFNR25CA5	3.937	1.260	3.94	-9.0	-5.0	TN..270612/TN..443
left hand							
3871306	MTFNL12CA3	1.969	.787	2.17	-9.0	-5.0	TN..160408/TN..332
3871305	MTFNL16CA3	2.362	.984	2.48	-9.0	-5.0	TN..160408/TN..332

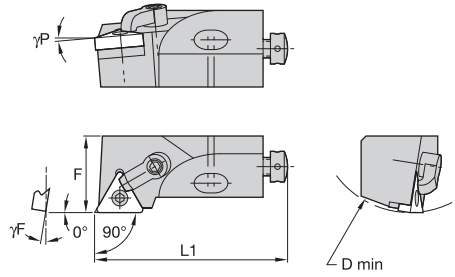
Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
1.969	—	KLM33L	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	—	4 mm	CSWM 060 050
2.362	ITSN322	KLM34L	2 mm	CKM34	STCM9	2 mm	KUAM25	2 mm	KUAM32	191.407	—	5 mm	CSWM 080 050
2.756	ITSN433	KLM46	2.5 mm	CKM35	STCM37	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	—	5 mm	CSWM 080 050
3.937	ITSN534	KLM58	3 mm	CKM38	STCM39	3 mm	KUAM26	3 mm	KUAM32	—	MS364	8 mm	CSWM 100 080



See pages B81–B93 for inserts.



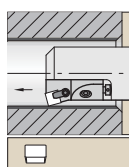
■ MTGN 0°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871296	MTGNR12CA3	1.969	.787	2.17	-9.0	-5.0	TN..160408/TN..332
3871295	MTGNR16CA3	2.362	.984	2.48	-9.0	-5.0	TN..160408/TN..332
3871294	MTGNR20CA4	2.756	.984	2.76	-9.0	-5.0	TN..220408/TN..432
left hand							
3871299	MTGNL12CA3	1.969	.787	2.17	-9.0	-5.0	TN..160408/TN..332
3871298	MTGNL16CA3	2.362	.984	2.48	-9.0	-5.0	TN..160408/TN..332
3871297	MTGNL20CA4	2.756	.984	2.76	-9.0	-5.0	TN..220408/TN..432

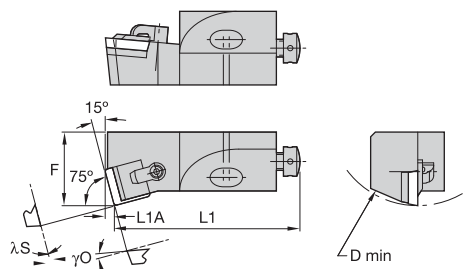
■ Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.969	—	KLM33L	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	ITSN322	KLM34L	2 mm	CKM34	STCM9	2 mm	KUAM25	2 mm	KUAM32	191.407	5 mm	CSWM 080 050
2.756	ITSN433	KLM46	2.5 mm	CKM35	STCM37	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B186–B191
and B211–B212 for inserts.



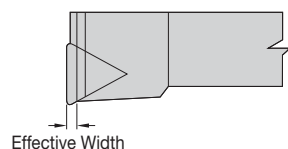
CSKP 15°

order number	catalog number	D min	F	L1	L1A	λS°	γO°	gage insert
right hand								
3870437	CSKPR10CA3	1.575	.551	1.97	.09	.0	5.0	SP..090308/SP..322
3870436	CSKPR12CA4	1.969	.787	2.17	.12	.0	5.0	SP..120308/SP..422

Spare Parts

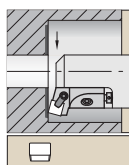


D min	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	CKM34	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050

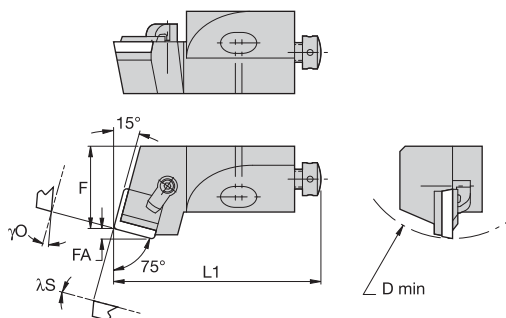


Chipbreakers for C-Style Cartridges

Chipbreakers			note
insert	chipbreaker	effective width	
SP..090308/SP..322	CBS-12	2.1	**For chipbreaking on both primary and secondary cutting edges
	CBS-12D**	2.1	
SP..120308/SP..422	CBS16	4.4	**For chipbreaking on both primary and secondary cutting edges
	CBS-16D**	2.8	
	CBS-16N	3.0	
	CBS16F	2.1	



See pages B186–B191 and B211–B212 for inserts.



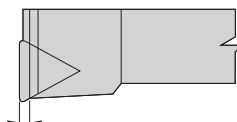
■ CSRP 15°

order number	catalog number	D min	F	L1	FA	λS°	γO°	gage insert
right hand								
3870435	CSRPR10CA3	1.575	.551	1.97	.087	.0	.0	SP..090308/SP..322
3870434	CSRPR12CA4	1.969	.787	2.17	.119	3.0	.0	SP..120308/SP..422

■ Spare Parts



D min	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	CKM34	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050



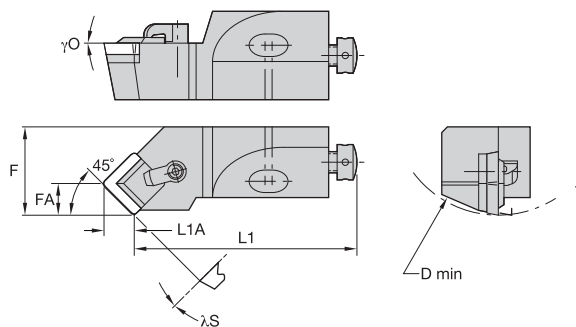
Effective Width

■ Chipbreakers for C-Style Cartridges

Chipbreakers			note
insert	chipbreaker	effective width	
SP..090308/SP..322	CBS-12	2.1	**For chipbreaking on both primary and secondary cutting edges
	CBS-12D**	2.1	
SP..120308/SP..422	CBS16	4.4	**For chipbreaking on both primary and secondary cutting edges
	CBS-16D**	2.8	
	CBS-16N	3.0	
	CBS16F	2.1	



See pages B186–B191
and B211–B212 for inserts.



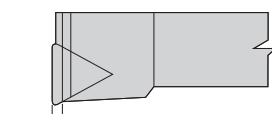
■ CSSP 45°

order number	catalog number	D min	F	L1	FA	L1A	λS°	γO°	gage insert
right hand									
3870430	CSSPR10CA3	1.575	.551	1.73	.254	.24	.0	.0	SP..090308/SP..322
3870429	CSSPR12CA4	1.969	.787	1.85	.342	.33	.0	.0	SP..120308/SP..422
left hand									
3870433	CSSPL10CA3	1.575	.551	1.73	.254	.24	.0	.0	SP..090308/SP..322
3870432	CSSPL12CA4	1.969	.787	1.85	.342	.33	.0	.0	SP..120308/SP..422
3870431	CSSPL20CA4	2.756	.984	2.36	—	.33	.0	.0	SP..120308/SP..422

■ Spare Parts



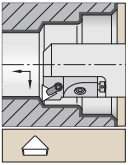
D min	shim	shim screw	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	—	—	—	CKM34	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	—	—	—	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.756	SM840	MS111	2 mm	CKM20	STCM11	3 mm	KUAM26	3 mm	KUAM32	191.407	5 mm	CSWM 080 050



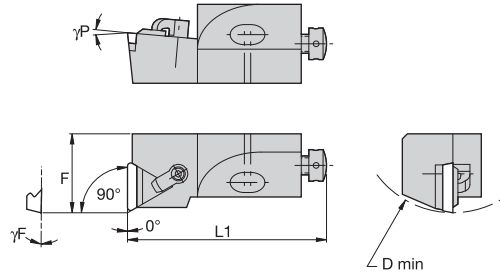
Effective Width

■ Chipbreakers for C-Style Cartridges

Chipbreakers			note
insert	chipbreaker	effective width	
SP..090308/SP..322	CBS-12	2.1	**For chipbreaking on both primary and secondary cutting edges
	CBS-12D**	2.1	
SP..120308/SP..422	CBS16	4.4	**For chipbreaking on both primary and secondary cutting edges
	CBS-16D**	2.8	
	CBS-16N	3.0	
	CBS16F	2.1	



See pages B192–B194 and B212–B216 for inserts.



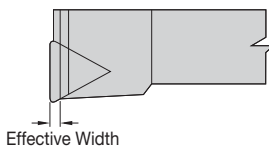
CTFP 0°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870427	CTFPR10CA2	1.575	.551	1.97	.0	5.0	TP..110304/TP..421
3870426	CTFPR12CA3	1.969	.787	2.17	.0	5.0	TP..160308/TP..322
3870424	CTFPR20CA4	2.756	.984	2.76	.0	5.0	TP..220408/TP..432
left hand							
3870428	CTFPL12CA3	1.969	.787	2.17	.0	5.0	TP..160308/TP..322

Spare Parts



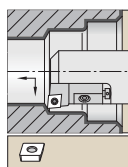
D min	shim	shim screw	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	—	—	—	CKM34	STCM38	2 mm	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	—	—	—	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.756	SM837	MS125	2.5 mm	CKM35	STCM8	4 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



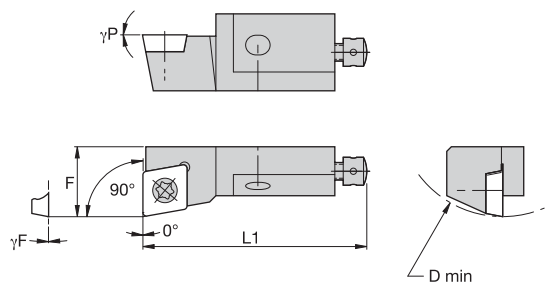
Chipbreakers for C-Style Cartridges

Chipbreakers

insert	chipbreaker	effective width	note
TP..110304/TP..421	CBT-8	2.2	
TP..160308/TP..322	CBT-12*	4.0	*Use with CTC-style holder only
	CBT-12*	2.7	*Use with CTC-style holder only
	CBT-12*	2.2	*Use with CTC-style holder only
TP..220408/TP..432	CBT-16	5.5	
	CBT-16N	3.2	
	CBT-16F	2.1	



See pages B30–B46
for inserts.



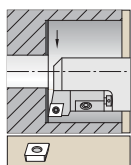
■ SCFP 0°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871284	SCFPR06CA05	.787	.315	.98	.0	.0	CP..050204/CP..18151
3871283	SCFPR08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151
3871272	SCFPR10CA09	1.575	.551	1.97	.0	.0	CP..09T308/CP..3252
left hand							
3871285	SCFPL08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151

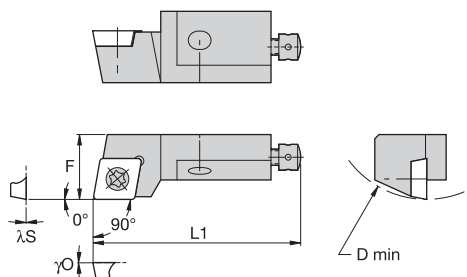
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
.787	MS1933	T7	KUAM34	1.5 mm	KUAM35	—	MS2173	2 mm	CSWM 035 040
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	—	MS2175	2.5 mm	CSWM 040 050
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050



See pages B47–B64 for inserts.



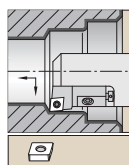
■ SCGP 0°

order number	catalog number	D min	F	L1	λS°	γO°	gage insert
right hand							
3871270	SCGPR08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151
left hand							
3871271	SCGPL08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151

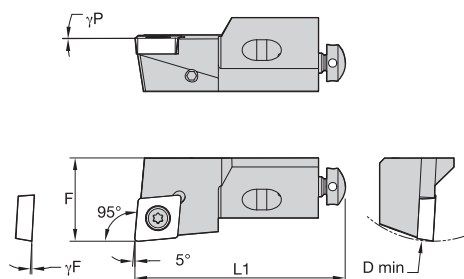
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	holding screw	hex	washer
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	MS2175	2.5 mm	CSWM 040 050



See pages B30–B46
for inserts.



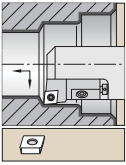
■ SCLC -5°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871268	SCLCR10CA09	1.575	.551	1.97	-3.0	.0	CC..09T308/CC..3252
3871265	SCLCR12CA12	1.969	.787	2.17	-3.0	.0	CC..120408/CC..432
left hand							
3871267	SCLCL12CA12	1.969	.787	2.17	-3.0	.0	CC..120408/CC..432
3871266	SCLCL16CA12	2.362	.984	2.48	-3.0	.0	CC..120408/CC..432

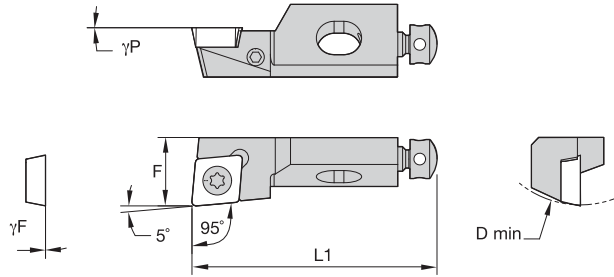
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	MS1157	T15	KUAM23	2.5 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	MS1157	T15	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B47–B64 for inserts.



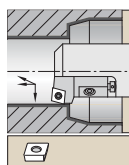
■ SCLP -5°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871261	SCLPR06CA05	.787	.315	.98	.0	.0	CP..050204/CP..18151
3871260	SCLPR08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151
3871259	SCLPR10CA09	1.575	.551	1.97	.0	.0	CP..09T308/CP..3252
left hand							
3871264	SCLPL06CA05	.787	.315	.98	.0	.0	CP..050204/CP..18151
3871263	SCLPL08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151
3871262	SCLPL10CA09	1.575	.551	1.97	.0	.0	CP..09T308/CP..3252

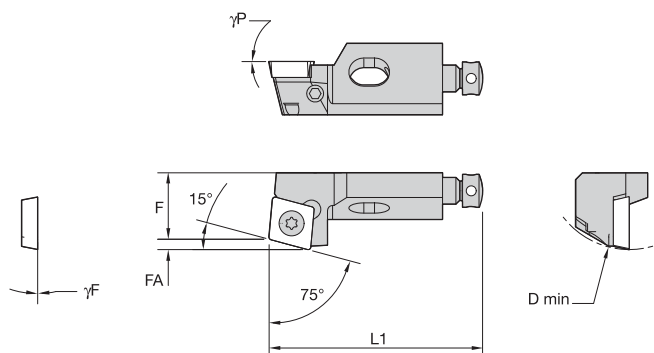
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
.787	MS1933	T7	KUAM34	1.5 mm	KUAM35	—	MS2173	2 mm	CSWM 035 040
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	—	MS2175	2.5 mm	CSWM 040 050
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050



See pages B30–B46
for inserts.



■ SCRP 15°

order number	catalog number	D min	F	L1	FA	γF°	γP°	gage insert
right hand								
3871257	SCRPR08CA06	.984	.394	1.26	.059	.0	.0	CP..060204/CP..2151
left hand								
3871258	SCRPL08CA06	.984	.394	1.26	.059	.0	.0	CP..060204/CP..2151

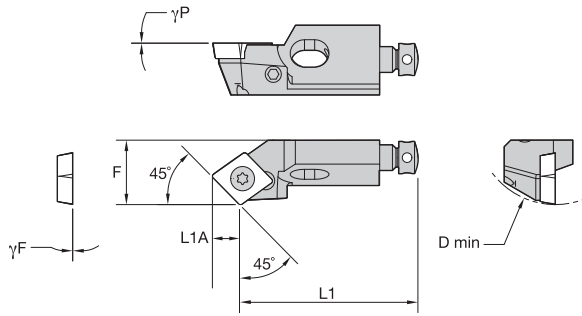
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	holding screw	hex	washer
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	MS2175	2.5 mm	CSWM 040 050



See pages B47–B64 for inserts.



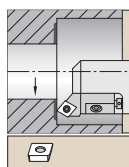
■ SCSP 45°

order number	catalog number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
3871255	SCSPR06CA05	.787	.315	.83	.14	.0	.0	CP..050204/CP..18151
3871254	SCSPR08CA06	.984	.394	1.10	.17	.0	.0	CP..060204/CP..2151

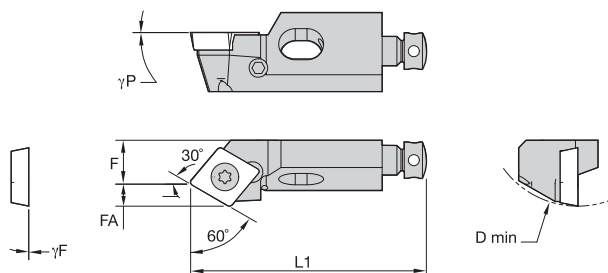
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	holding screw	hex	washer
.787	MS1933	T7	—	—	KUAM35	MS2173	2 mm	CSWM 035 040
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	MS2175	2.5 mm	CSWM 040 050



See pages B30–B46
for inserts.



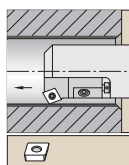
■ SCTP 30°

order number	catalog number	D min	F	L1	FA	γF°	γP°	gage insert
right hand								
3871252	SCTPR06CA05	.787	.217	.98	.102	.0	.0	CP..050204/CP..18151
3871251	SCTPR08CA06	.984	.236	1.26	.116	.0	.0	CP..060204/CP..2151
left hand								
3871253	SCTPL08CA06	.984	.236	1.26	.116	.0	.0	CP..060204/CP..2151

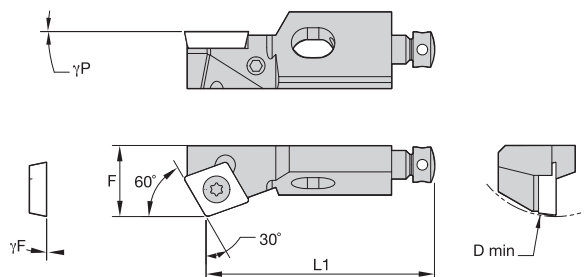
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	holding screw	hex	washer
.787	MS1933	T7	—	—	KUAM35	MS2173	2 mm	CSWM 035 040
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	MS2175	2.5 mm	CSWM 040 050



See pages B47–B64 for inserts.



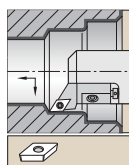
■ SCWP 30°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871249	SCWPR08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151
left hand							
3871250	SCWPL08CA06	.984	.394	1.26	.0	.0	CP..060204/CP..2151

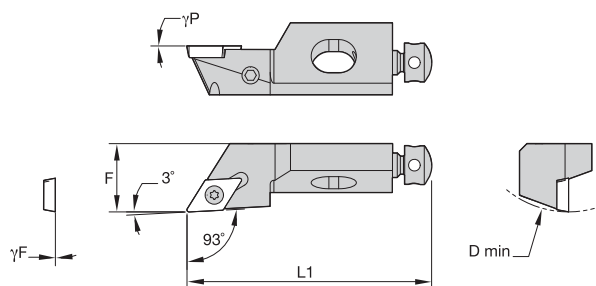
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	holding screw	hex	washer
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	MS2175	2.5 mm	CSWM 040 050



See pages B47–B64
for inserts.



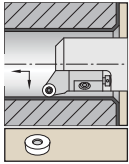
■ SDJP -3°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871247	SDJPR10CA07	1.575	.551	1.97	.0	.0	DP..070204/DP..2151
left hand							
3871248	SDJPL10CA07	1.575	.551	1.97	.0	.0	DP..070204/DP..2151

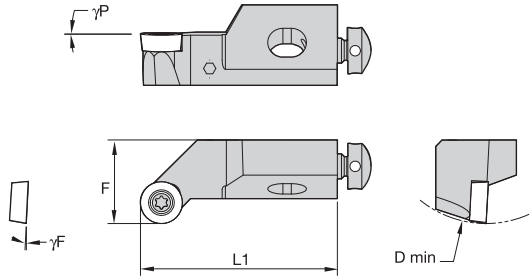
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	MS1153	T7	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050



See pages B65–B67 for inserts.



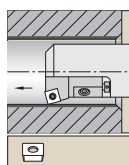
■ SRGC

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3871245	SRGCR08CA06	.984	.394	1.26	-4.0	.0	RC..0602M0/RC..215
3871244	SRGCR10CA08	1.575	.551	1.97	-3.0	.0	RC..0803M0/RC..0803M0
left hand							
3871246	SRGCL12CA10	1.969	.787	2.17	-3.0	.0	RC..10T3M0/RC..10T3M0

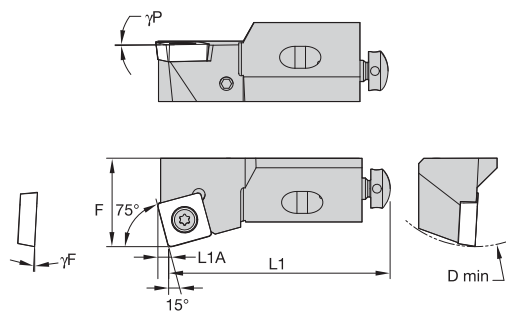
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
.984	MS1153	T7	KUAM34	1.5 mm	KUAM20	—	MS2175	2.5 mm	CSWM 040 050
1.575	MS1154	T9	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050
1.969	MS1155	T15	KUAM23	2.5 mm	KUAM31	191.406	—	4 mm	CSWM 060 050



See pages B68–B80
for inserts.



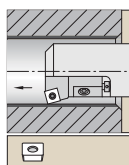
SSKC 15°

order number	catalog number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
3871192	SSKCR10CA09	1.575	.551	1.97	.09	-4.3	-2.5	SC..09T308/SC..3252
3871191	SSKCR12CA12	1.969	.787	2.17	.12	-3.0	.0	SC..120408/SC..432
3871190	SSKCR16CA12	2.362	.984	2.48	.12	-3.0	.0	SC..120408/SC..432
left hand								
3871243	SSKCL12CA12	1.969	.787	2.17	.12	-3.0	.0	SC..120408/SC..432

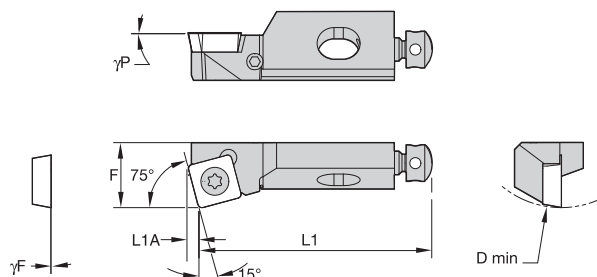
Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	MS1157	T15	KUAM23	2.5 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	MS1157	T15	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B68–B80 for inserts.



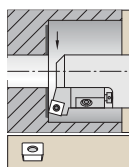
SSKP 15°

order number	catalog number	D min	F	L1	L1A	γ_F°	γ_P°	gage insert
right hand								
3870393	SSKPR10CA09	1.575	.551	1.97	.09	.0	.0	SP..09T308/SP..3252
3870392	SSKPR12CA09	1.969	.787	2.17	.09	.0	.0	SP..09T308/SP..3252
left hand								
3870394	SSKPL10CA09	1.575	.551	1.97	.09	.0	.0	SP..09T308/SP..3252

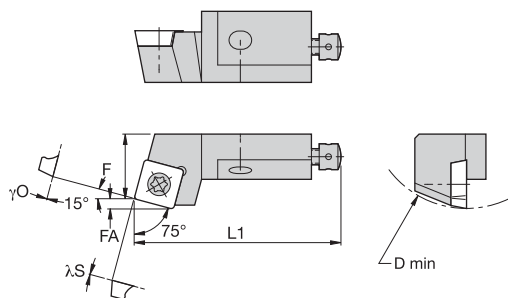
Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	MS1155	T15	KUAM23	2.5 mm	KUAM31	191.406	4 mm	CSWM 060 050



See pages B68–B80
for inserts.



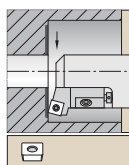
■ SSRC 15°

order number	catalog number	D min	F	L1	FA	λS°	γO°	gage insert
right hand								
3870390	SSRCR12CA12	1.969	.787	2.17	.121	-3.0	.0	SC..120408/SC..432
left hand								
3870391	SSRCL12CA12	1.969	.787	2.17	.121	-3.0	.0	SC..120408/SC..432

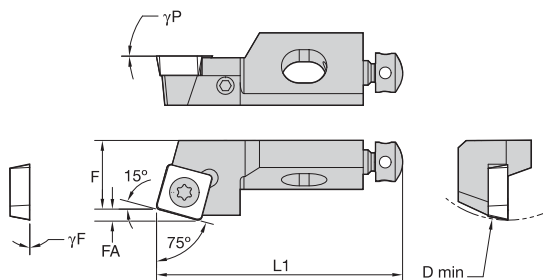
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.969	MS1157	T15	KUAM23	2.5 mm	KUAM31	191.406	4 mm	CSWM 060 050



See pages B68–B80 for inserts.



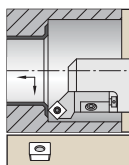
■ SSRP 15°

order number	catalog number	D min	F	L1	FA	γF°	γP°	gage insert
right hand								
3870388	SSRPR10CA09	1.575	.551	1.97	.088	.0	.0	SP..09T308/SP..3252
left hand								
3870389	SSRPL10CA09	1.575	.551	1.97	.087	.0	.0	SP..09T308/SP..3252

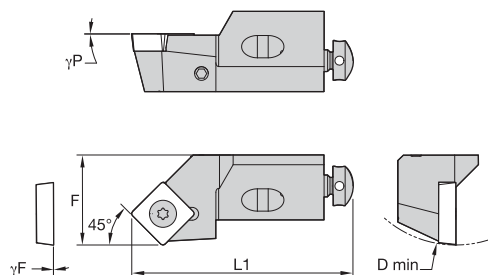
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050



See pages B68–B80
for inserts.



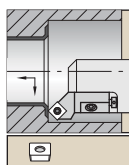
SSSC 45°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870386	SSSCR10CA09	1.575	.551	1.73	-3.0	.0	SC..09T308/SC..3252
3870385	SSSCR12CA12	1.969	.787	1.85	-3.0	.0	SC..120408/SC..432
3870384	SSSCR16CA12	2.362	.984	2.09	.0	.0	SC..120408/SC..432
left hand							
3870387	SSSCL12CA12	1.969	.787	1.85	-3.0	.0	SC..120408/SC..432

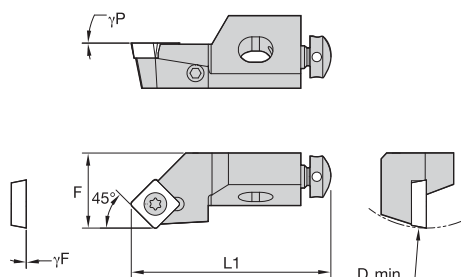
Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050
1.969	MS1157	T15	KUAM23	2.5 mm	KUAM31	191.406	4 mm	CSWM 060 050
2.362	MS1157	T15	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050



See pages B68–B80 for inserts.



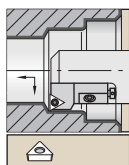
SSSP 45°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870382	SSSPR10CA09	1.575	.551	1.73	.0	.0	SP..09T308/SP..3252
left hand							
3870383	SSSPL10CA09	1.575	.551	1.73	.0	.0	SP..09T308/SP..3252

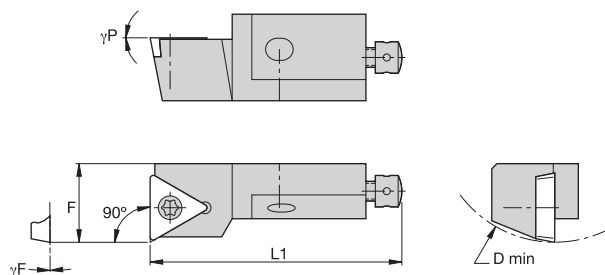
Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
1.575	MS1155	T15	KUAM28	2 mm	KUAM30	191.405	4 mm	CSWM 060 050



See pages B81–B93
for inserts.



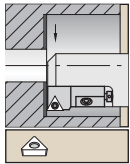
STFP 0°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870378	STFPR08CA09	.984	.394	1.26	.0	.0	TP..090204/TP..18151
3870377	STFPR10CA11	1.575	.551	1.97	.0	.0	TP..110204/TP..2151
3870376	STFPR12CA16	1.969	.787	2.17	.0	.0	TP..16T308/TP..3252
left hand							
3870381	STFPL08CA09	.984	.394	1.26	.0	.0	TP..090204/TP..18151
3870380	STFPL10CA11	1.575	.551	1.97	.0	.0	TP..110204/TP..2151
3870379	STFPL12CA16	1.969	.787	2.17	.0	.0	TP..16T308/TP..3252

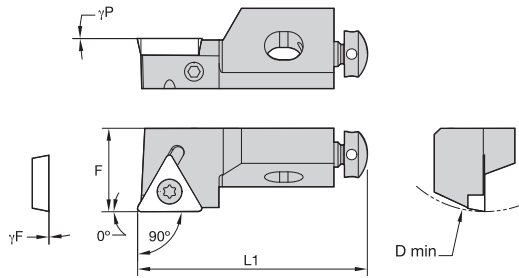
Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
.984	MS1152	T7	KUAM34	1.5 mm	KUAM20	—	MS2175	2.5 mm	CSWM 040 050
1.575	MS1153	T7	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050
1.969	MS1155	T15	KUAM23	2.5 mm	KUAM31	191.406	—	4 mm	CSWM 060 050



See pages B81–B93 for inserts.



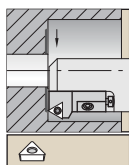
■ STGP 0°

order number	catalog number	D min	F	L1	γF°	γP°	gage insert
right hand							
3870372	STGPR08CA09	.984	.394	1.26	.0	.0	TP..090204/TP..18151
3870371	STGPR10CA11	1.575	.551	1.97	.0	.0	TP..110204/TP..2151
3870370	STGPR12CA16	1.969	.787	2.17	.0	.0	TP..16T308/TP..3252
left hand							
3870374	STGPL08CA09	.984	.394	1.26	.0	.0	TP..090204/TP..18151
3870373	STGPL10CA11	1.575	.551	1.97	.0	.0	TP..110204/TP..2151

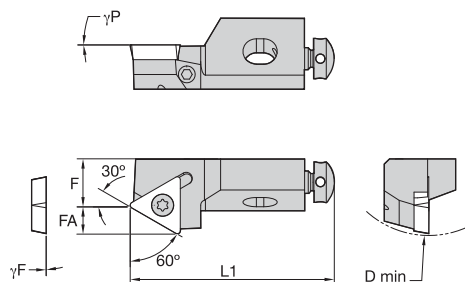
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
.984	MS1152	T7	KUAM34	1.5 mm	KUAM20	—	MS2175	2.5 mm	CSWM 040 050
1.575	MS1153	T7	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050
1.969	MS1155	T15	KUAM23	2.5 mm	KUAM31	191.406	—	4 mm	CSWM 060 050



See pages B81–B93
for inserts.



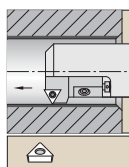
■ STTP 30°

order number	catalog number	D min	F	L1	FA	γF°	γP°	gage insert
right hand								
3870369	STTPR08CA09	.984	.236	1.26	.167	.0	.0	TP..090204/TP..18151
3870368	STTPR10CA11	1.575	.354	1.97	.195	.0	.0	TP..110204/TP..2151
3870367	STTPR12CA16	1.969	.512	2.17	.282	.0	.0	TP..16T308/TP..3252

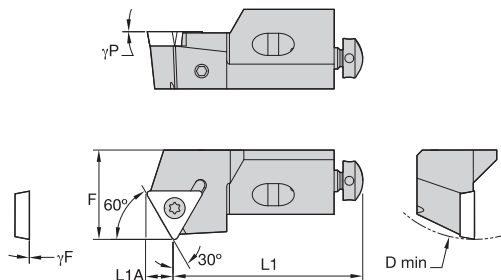
■ Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
.984	MS1152	T7	KUAM34	1.5 mm	KUAM20	—	MS2175	2.5 mm	CSWM 040 050
1.575	MS1153	T7	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050
1.969	MS1155	T15	KUAM23	2.5 mm	KUAM31	191.406	—	4 mm	CSWM 060 050



See pages B99–B105 for inserts.



STWP 30°

order number	catalog number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
3870364	STWPR08CA09	.984	.394	1.10	.17	.0	.0	TP..090204/TP..18151
3870363	STWPR10CA11	1.575	.551	1.73	.20	.0	.0	TP..110204/TP..2151
3870252	STWPR12CA16	1.969	.787	1.85	.28	.0	.0	TP..16T308/TP..3252
left hand								
3870366	STWPL10CA11	1.575	.551	1.73	.20	.0	.0	TP..110204/TP..2151
3870365	STWPL12CA16	1.969	.787	1.85	.28	.0	.0	TP..16T308/TP..3252

Spare Parts



D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	holding screw	hex	washer
.984	MS1152	T7	KUAM34	1.5 mm	KUAM20	—	MS2175	2.5 mm	CSWM 040 050
1.575	MS1153	T7	KUAM28	2 mm	KUAM30	191.405	—	4 mm	CSWM 060 050
1.969	MS1155	T15	KUAM23	2.5 mm	KUAM31	191.406	—	4 mm	CSWM 060 050