

Modular Tools

H253 to H274

H

Modular
Tools

H

Shoulder
Milling

High-Feed

Radius

Chamfering

Non-Ferrous
Metals

		SEC-Modular Tools	
			H254
Shoulder Milling	For High-precision Milling of Steel, Die Steel, Cast Iron, Stainless Steel and Non-Ferrous Metal	SEC-WaveMill WEZ series	H256
	For High-feed Milling of Steel, Die Steel, Cast Iron, and Stainless Steel	SEC-WaveMill WEZR series	H260
	For High-efficiency Milling of Steel, Cast Iron, Stainless Steel and Non-Ferrous Metal	SEC-WaveMill WEX series	H264
	For Steel, Die Steel, Cast Iron, Stainless Steel and Non-Ferrous Metal	SEC-WaveMill WFX series	H266
High-Feed	For High-precision Milling of Steel, Die Steel, Cast Iron, Stainless Steel and Non-Ferrous Metal	SEC-Sumi Dual Mill DMSL series	H267
	For High-feed Milling of Steel, Die Steel, Cast Iron, and Stainless Steel	SEC-Sumi Dual Mill DMSW series	H268
	For High-feed Milling of Steel, Die Steel, Cast Iron, Stainless Steel and Non-Ferrous Metal	SEC-WaveMill WFXH series	H269
	For High Feed Milling of Steel, Cast Iron and Stainless Steel	SEC-Metal Slash Mill MSX series	H270
Radius	For Exotic Alloy	SEC-Wave Radius Mill RSX(F) series	H271
	For Steel, Cast Iron, Stainless Steel and Non-Ferrous Metal	SEC-Wave Radius Mill WRCX series	H272
Chamfering	For Chamfering of Steel, Die Steel, Cast Iron, Stainless Steel and Non-Ferrous Metal	SEC-WaveMill WFXC series	H273
Non-Ferrous Metals	For High-speed, High-efficiency Milling of Aluminum Alloy and Non-Ferrous Metal	ALNEX ANXS series	H274

Stock Markings and Symbols

- mark: Standard stocked item
- mark: To be replaced with the new item featured on the same page
- ▲ mark: To be replaced by a new product, made to order, or discontinued (please confirm stock availability)
- * mark: Semi-standard stock (please confirm stock availability)
- mark: Stock or planned stock (please confirm stock availability)
- Blank: Made-to-order item
- mark: Not available

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■ Features

- 12 indexable modular head types available!

WEZ type DMSL type RSX type
WEZR type DMSW type WRCX type
WEX type WFXH type WFXC type
WFX type MSX type ANXS type

- In addition to carbide arbors and steel arbors, the lineup of integrated BBT types enables a variety of combinations
- General-purpose grade applicable to any work material
 Introducing the new grade ACU2500, which is applicable to a wide variety of processes and work materials such as steel, stainless steel and cast iron.

Suitable for milling with **long overhangs** when combined with carbide or steel arbors

When combined with BBT integrated arbors, **high load milling** is supported

Easy-to-replace screw-on design.



WEX Type + Carbide Arbor



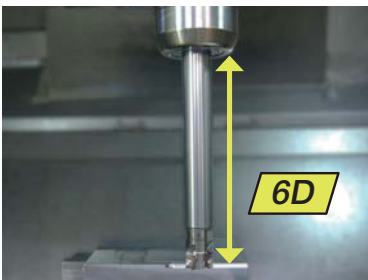
RSX Type + BBT30 Integrated Arbor

Modular type + Carbide Arbor

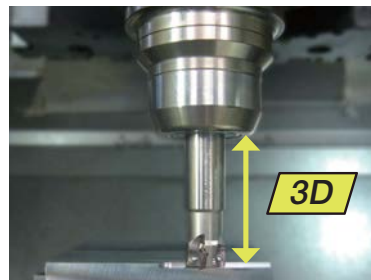
Standard type (Integrated Arbor)

■ Screw Size and Mounting Cutter Size

Screw CRKS	Applicable Cutter Size (DC)
M8	ø16, ø18
M10	ø20, ø22
M12	ø24, ø28
M16	ø30, ø32, ø35, ø40



6D



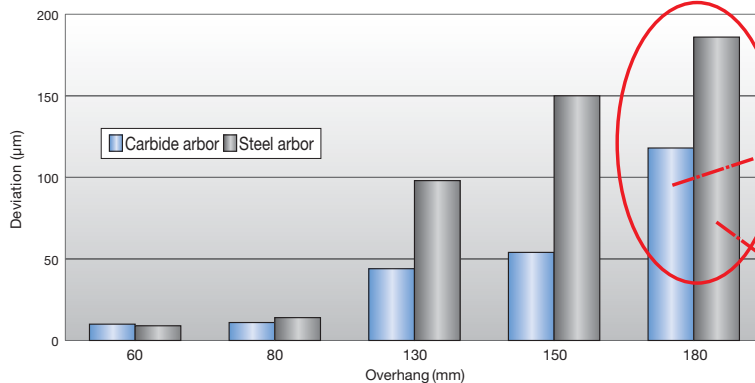
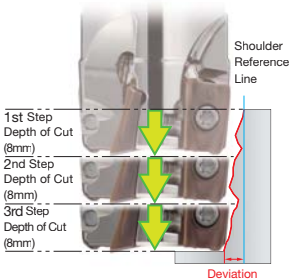
3D

Note: Overhang varies depending on cutting conditions such as the tool used, machine rigidity and work clamp rigidity.

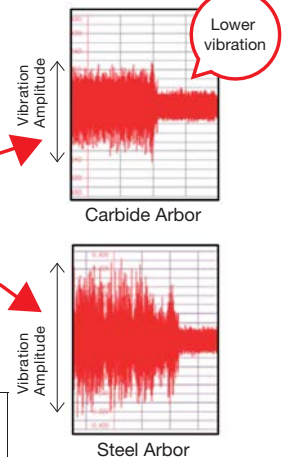
■ Cutting Performance

- Carbide arbors achieve greater precision and stable milling compared to steel arbors

● Machined Wall Precision

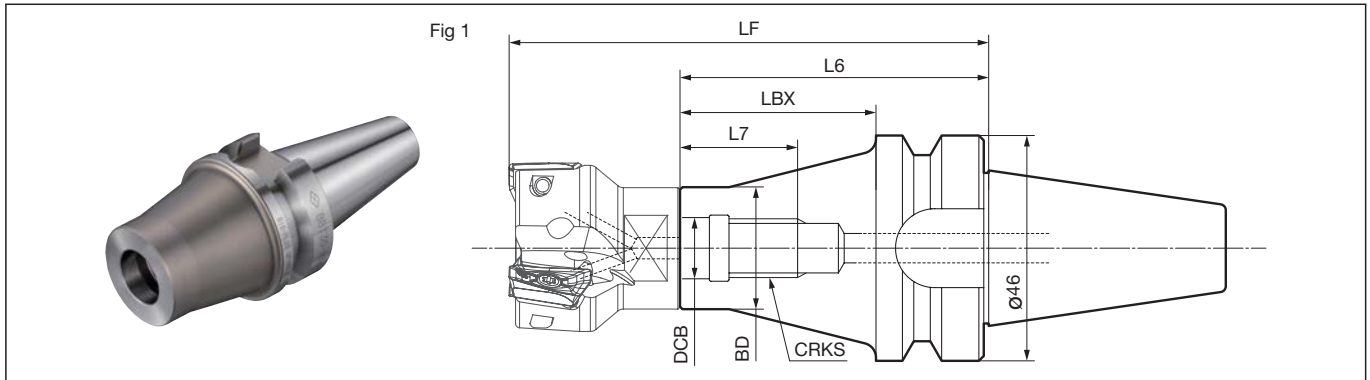


Vibration



Work Material : S50C
 Tool : WEX2025M12Z4 (ø25 x 4-tooth)
 Cutting Conditions : vc = 100m/min fz = 0.1mm/t ap = 8mm x 3 times ae = 2.0mm Machine: Machining Centre BT50

BBT Integrated type - SEC-Modular Tools Special Arbors



BBT Integrated Arbor

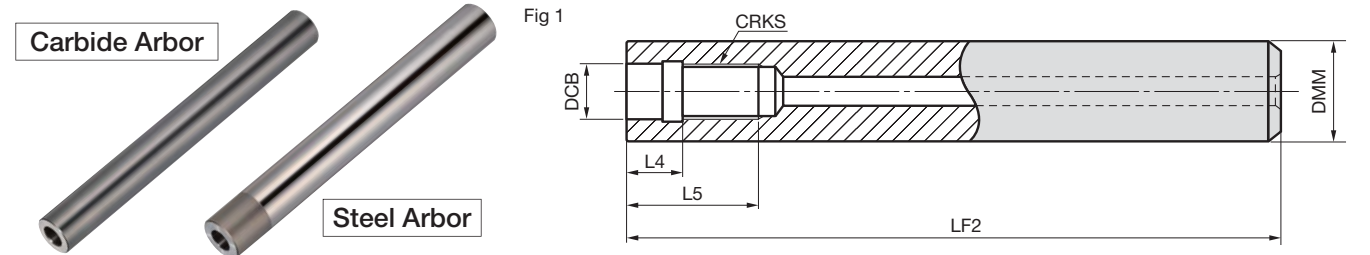
Cat. No.	Stock	Screw CRKS	Hole Dia. DCB	External Dia. BD	Body Overhang L6	Length LBX	Thread Depth L7	Overhang LF ^{*1}	Coolant Hole	Fig
BBT30-M8-50	●	M8	8.5	15.9	72	50	18	97	Yes	1
M10-45	●	M10	10.5	19.9	67	45	20	97	Yes	1
M12-40	●	M12	12.5	24.9	62	40	22	97	Yes	1
M16-35	●	M16	17	31.9	57	35	24	97	Yes	1

*1: Overhang length for LF is with head mounted.

Can also be used with BT30 spindle machines.

Note: The values in red have been changed from the 2021-2022 General Catalogue.

SEC-Modular Tools - Special Arbors (Carbide Arbor/Steel Arbor)



Carbide Arbor

Cat. No.	Stock	Screw CRKS	Hole Dia. DCB	Shank DMM	Overall Length LF2	Depth L4	Thread Depth L5	Overhang LF ^{*2}	Fig
MA15M08L120C	●	M8	8.5	15	120	10	18	145	1
15M08L160C	●	M8	8.5	15	160	10	18	185	1
16M08L120C	●	M8	8.5	16	120	10	18	145	1
16M08L160C	●	M8	8.5	16	160	10	18	185	1
MA18M10L150C	●	M10	10.5	18	150	10	20	180	1
18M10L200C	●	M10	10.5	18	200	10	20	230	1
20M10L150C	●	M10	10.5	20	150	10	20	180	1
20M10L200C	●	M10	10.5	20	200	10	20	230	1
MA23M12L200C	●	M12	12.5	23	200	10	22	235	1
23M12L250C	●	M12	12.5	23	250	10	22	285	1
25M12L200C	●	M12	12.5	25	200	10	22	235	1
25M12L250C	●	M12	12.5	25	250	10	22	285	1
MA28M16L200C	●	M16	17	28	200	10	24	240	1
28M16L300C	●	M16	17	28	300	10	24	340	1
32M16L200C	●	M16	17	32	200	10	24	240	1
32M16L300C	●	M16	17	32	300	10	24	340	1

Steel Arbor

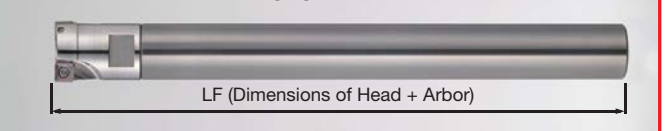
Cat. No.	Stock	Screw CRKS	Hole Dia. DCB	Shank DMM	Overall Length LF2	Depth L4	Thread Depth L5	Overhang LF ^{*2}	Fig
MA16M08L120S	●	M8	8.5	16	120	10	18	145	1
20M10L150S	●	M10	10.5	20	150	10	20	180	1
25M12L200S	●	M12	12.5	25	200	10	22	235	1
32M16L200S	●	M16	17	32	200	10	24	240	1

Identification Code

MA 15 M08 L120 C

Series Shank Dia. Mounting Arbor Arbor Materials
Code Screw Overall C: Carbide
Size Length S: Steel

● Set Dimensions (*2)



Recommended Tightening Torque (N·m)

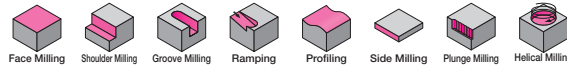
*Take care when tightening the head.

- When mounting the head to an arbor, follow the standard tightening torque in the table below.
- Check the mounting screw size for the head and arbor beforehand.

Screw Size	Regulated Tightening Torque (N·m)
M8	23
M10	46
M12	60
M16	80



Rake Angle	Radial	-7° to -18°
	Axial	6° to 15°



Modular Tools

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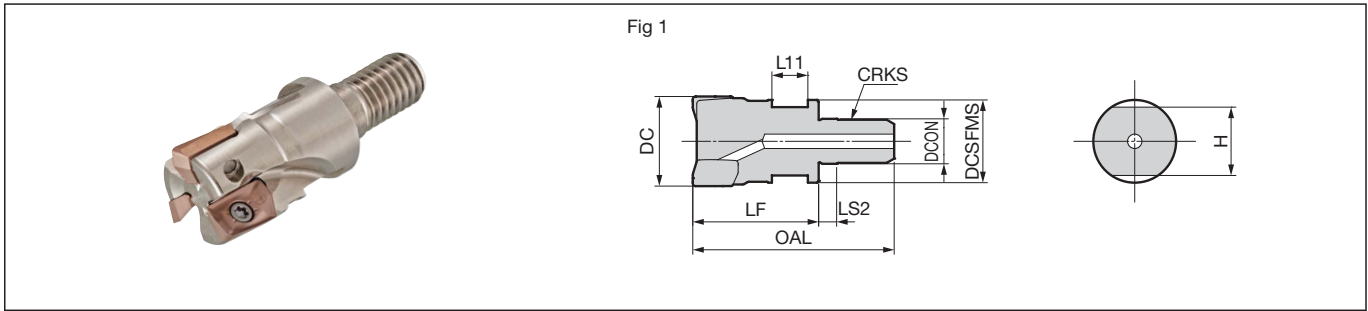
Shoulder Milling

High-Feed

Radius

Chamfering

Non-Ferrous Metals



Head

Dimensions (mm)

Cat. No.	Stock	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
WEZ 11016M08Z2	●	16	14.5	8.5	M8	42(41.7)	25(24.7)	5	8	13	2	0.03	1
11018M08Z2	●	18	14.5	8.5	M8	42(41.7)	25(24.7)	5	8	13	2	0.03	1
11020M10Z2	●	20	18.0	10.5	M10	49(48.7)	30(29.7)	5	8	15	2	0.06	1
11020M10Z3	●	20	18.0	10.5	M10	49(48.7)	30(29.7)	5	8	15	3	0.05	1
11022M10Z3	●	22	18.0	10.5	M10	49(48.7)	30(29.7)	5	8	15	3	0.06	1
11025M12Z2	●	25	23.0	12.5	M12	56(55.7)	35(34.7)	5	10	19	2	0.11	1
11025M12Z3	●	25	23.0	12.5	M12	56(55.7)	35(34.7)	5	10	19	3	0.10	1
11025M12Z4	●	25	23.0	12.5	M12	56(55.7)	35(34.7)	5	10	19	4	0.10	1
11026M12Z4	●	26	23.0	12.5	M12	56(55.7)	35(34.7)	5	10	19	4	0.10	1
11026M12Z5	●	26	23.0	12.5	M12	56(55.7)	35(34.7)	5	10	19	5	0.09	1
11028M12Z4	●	28	23.0	12.5	M12	56(55.7)	35(34.7)	5	10	19	4	0.11	1
11028M12Z5	●	28	23.0	12.5	M12	56(55.7)	35(34.7)	5	10	19	5	0.10	1
11030M16Z2	●	30	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	2	0.20	1
11030M16Z4	●	30	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	4	0.19	1
11030M16Z5	●	30	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	5	0.17	1
11032M16Z2	●	32	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	2	0.22	1
11032M16Z3	●	32	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	3	0.20	1
11032M16Z4	●	32	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	4	0.20	1
11032M16Z5	●	32	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	5	0.19	1
11035M16Z2	●	35	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	2	0.24	1
11035M16Z5	●	35	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	5	0.22	1
11040M16Z2	●	40	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	2	0.28	1
11040M16Z4	●	40	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	4	0.26	1
11040M16Z5	●	40	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	5	0.26	1
11040M16Z6	●	40	28.5	17	M16	63(62.7)	40(39.7)	5	10	24	6	0.25	1

The OAL and LF dimensions in parentheses are dimensions using RE = 3.0/3.2 insert. When using RE = 3.0/3.2 inserts, the maximum depth of cut is 9.5mm.

Arbors H255

Inserts are sold separately.

Parts

Applicable Cutter	Flat Insert Screw		Wrench	Anti-seizure Cream
	WEZ11016M08Z2, WEZ11018M08Z2	BFTX0305IP	1.5	TRDR08IP
WEZ11020M10Z2 to WEZ11040M16Z6	BFTX0306IP			

Identification Code

WEZ 11 016 M08 Z2
 Series Code Insert Size Dia. Mounting Screw Size Number of Teeth

* Modification of the cutter body is required when using inserts with corner radius RE 2.4 or larger.



Modify the C chamfering portion.

WEZ11 type

Reworking guidelines

Corner radius = 2.4: C1

(AOMT11T324PEER)

Corner radius = 3.0: C2.5

(AOMT11T330PEER)

Corner radius = 3.2: C2.5

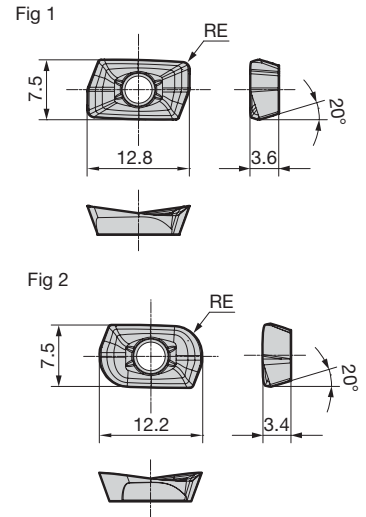
(AOMT11T332PEER)

Standard: R1.

Insert

Dimensions (mm)

Grade Classification	Coated Carbide							Cemented Carbide	DLC	Cermet				
	High-speed/Light Cutting													
	General-purpose													
Process														
	Roughing													
Cat. No.	ACU2500	XCU2500	ACP2000	ACP3000	XCK2000	ACK2000	ACK3000	ACM200	ACM300	H20	DL2000	T2500A	Corner Radius RE	Fig
AOMT 11T302PEER-G	●	●										●	0.2	1
11T304PEER-G	●	●										●	0.4	1
11T305PEER-G	●	●											0.5	1
11T308PEER-G	●	●										●	0.8	1
11T310PEER-G	●	●											1.0	1
11T312PEER-G	●	●											1.2	1
11T316PEER-G	●	●											1.6	1
11T320PEER-G	●	●											2.0	1
11T324PEER-G	●	●											2.4	1
11T330PEER-G	●	●											3.0	2
11T332PEER-G	●	●											3.2	2
AOMT 11T304PEER-H	●	●											0.4	1
11T308PEER-H	●	●											0.8	1
11T312PEER-H	●	●											1.2	1
11T316PEER-H	●	●											1.6	1
AOET 11T302PEER-F	●												0.2	1
11T304PEER-F	●												0.4	1
11T305PEER-F	●												0.5	1
11T308PEER-F	●												0.8	1
11T310PEER-F	●												1.0	1
11T312PEER-F	●												1.2	1
11T316PEER-F	●												1.6	1
11T320PEER-F	●												2.0	1
11T324PEER-F	●												2.4	1
11T330PEER-F	●												3.0	2
11T332PEER-F	●												3.2	2
AOET 11T302PEER-P16	●												0.2	1
11T304PEER-P16	●												0.4	1
11T305PEER-P16	●												0.5	1
11T308PEER-P16	●												0.8	1
11T310PEER-P16	●												1.0	1
11T312PEER-P16	●												1.2	1
AOET 11T302PEER-P20	●												0.2	1
11T304PEER-P20	●												0.4	1
11T305PEER-P20	●												0.5	1
11T308PEER-P20	●												0.8	1
11T310PEER-P20	●												1.0	1
11T312PEER-P20	●												1.2	1
AOET 11T302PEER-P25	●												0.2	1
11T304PEER-P25	●												0.4	1
11T305PEER-P25	●												0.5	1
11T308PEER-P25	●												0.8	1
11T310PEER-P25	●												1.0	1
11T312PEER-P25	●												1.2	1
AOET 11T302PEFR-S								●	●				0.2	1
11T304PEFR-S								●	●				0.4	1
11T305PEFR-S								●	●				0.5	1
11T308PEFR-S								●	●				0.8	1
11T310PEFR-S								●	●				1.0	1
11T312PEFR-S								●	●				1.2	1
11T316PEFR-S								●	●				1.6	1
11T320PEFR-S								●	●				2.0	1
11T324PEFR-S								●	●				2.4	1
11T330PEFR-S								●	●				3.0	2
11T332PEFR-S								●	●				3.2	2



-G: General-purpose, -H: Strong Edge, -F: Medium Finishing,
 -P16/-P20/-P25: High-precision Machining, -S: Non-Ferrous Metals.
 * -P16 is applicable to cutter diameters $\phi 14$ and $\phi 16$. -P20 is applicable to cutter diameters $\phi 18$ and $\phi 20$.
 -P25 is applicable to cutter diameters $\phi 25$ and $\phi 28$.

Recommended Cutting Conditions H58 Maximum Allowable Spindle Speed H59

Precautions for Mounting Inserts H55



Modular Tools

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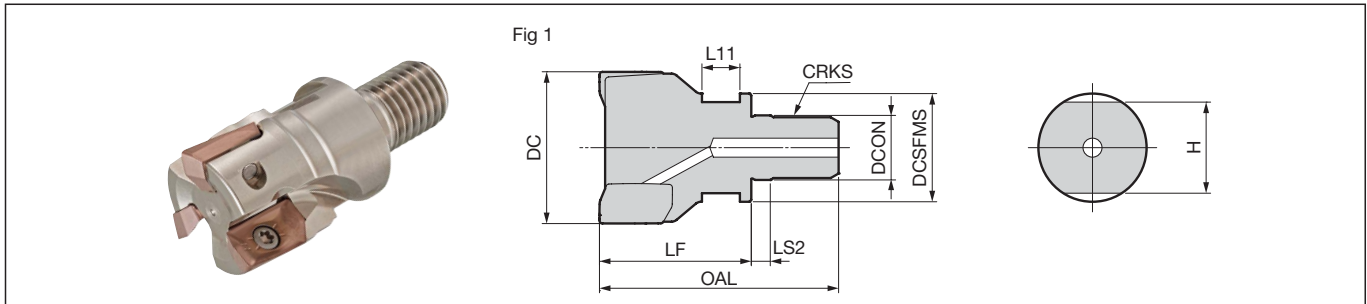
Shoulder Milling

High-Feed

Radius

Chamfering

Non-Ferrous Metals



Head

Dimensions (mm)

Cat. No.	Stock	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
WEZ 17025M12Z2	●	25	23.0	12.5	M12	56(55.3)	35(34.3)	5	10	19	2	0.08	1
17025M12Z3	●	25	23.0	12.5	M12	56(55.3)	35(34.3)	5	10	19	3	0.07	1
17028M12Z2	●	28	23.0	12.5	M12	56(55.3)	35(34.3)	5	10	19	2	0.10	1
17030M16Z2	●	30	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	2	0.17	1
17030M16Z3	●	30	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	3	0.15	1
17032M16Z2	●	32	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	2	0.19	1
17032M16Z3	●	32	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	3	0.16	1
17032M16Z4	●	32	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	4	0.14	1
17035M16Z2	●	35	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	2	0.21	1
17035M16Z3	●	35	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	3	0.19	1
17040M16Z2	●	40	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	2	0.25	1
17040M16Z3	●	40	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	3	0.23	1
17040M16Z4	●	40	28.5	17	M16	63(62.3)	40(39.3)	5	10	24	4	0.21	1

The OAL and LF dimensions in parentheses are dimensions using RE = 5.0/6.4 insert. When using RE = 5.0/6.4 inserts, the maximum depth of cut is 14.5mm.

Arbors H255

Inserts are sold separately.

Parts

Applicable Cutter	Flat Insert Screw		Wrench	Anti-seizure Cream
WEZ17025M12Z2 to WEZ17030M16Z3	BFTX0407IP	3.0	TRDR15IP	SUMI-P
WEZ17032M16Z2 to WEZ17040M16Z4	BFTX0409IP			

Identification Code

WEZ 17 025 M12 Z2
 Series Code Insert Size Dia. Mounting Screw Size Number of Teeth

* Modification of the cutter body is required when using inserts with corner radius RE 2.4 or larger.

Modify the C chamfering portion.

WEZ17 type

Reworking guidelines

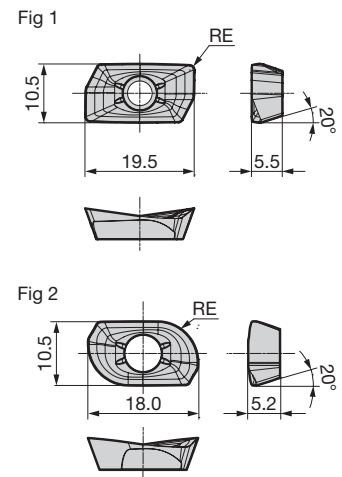
- Corner radius = 2.4: C1 (AOMT170524PEER)
- Corner radius = 3.0: C1.5 (AOMT170530PEER)
- Corner radius = 3.2: C1.5 (AOMT170532PEER)
- Corner radius = 4.0: C2 (AOMT170540PEER)
- Corner radius = 5.0: C5 (AOMT170550PEER)
- Corner radius = 6.4: C5 (AOMT170564PEER)

Standard: R1.

Insert

Dimensions (mm)

Process	Grade Classification		Coated Carbide						Cemented Carbide	DLC	Cermet	Corner Radius RE	Fig	
	High-speed/Light Cutting	General-purpose	P	K	K	S		N	P					
	Roughing		P	K	K	S	N							
Cat. No.	ACU2500	XCU2500	ACP2000	ACP3000	XCK2000	ACK2000	ACK3000	ACM200	ACM300	H20	DL2000	T2500A		
AOMT 170502PEER-L	●												0.2	1
170504PEER-L	●	●											0.4	1
170508PEER-L	●	●										●	0.8	1
170512PEER-L	●												1.2	1
170516PEER-L	●												1.6	1
AOMT 170502PEER-G	●	●		●									0.2	1
170504PEER-G	●	●	●									●	0.4	1
170505PEER-G	●												0.5	1
170508PEER-G	●	●	●									●	0.8	1
170510PEER-G	●												1.0	1
170512PEER-G	●	●											1.2	1
170516PEER-G	●	●											1.6	1
170520PEER-G	●	●											2.0	1
170524PEER-G	●												2.4	1
170530PEER-G	●	●											3.0	1
170532PEER-G	●	●											3.2	1
170540PEER-G	●	●											4.0	1
170550PEER-G	●	●											5.0	2
170564PEER-G	●												6.4	2
AOMT 170504PEER-H	●	●	●										0.4	1
170508PEER-H	●	●	●										0.8	1
170512PEER-H	●												1.2	1
170516PEER-H	●												1.6	1
AOET 170502PEER-F	●												0.2	1
170504PEER-F	●												0.4	1
170505PEER-F	●												0.5	1
170508PEER-F	●												0.8	1
170510PEER-F	●												1.0	1
170512PEER-F	●												1.2	1
170516PEER-F	●												1.6	1
170520PEER-F	●												2.0	1
170524PEER-F	●												2.4	1
170530PEER-F	●												3.0	1
170532PEER-F	●												3.2	1
170540PEER-F	●												4.0	1
170550PEER-F	●												5.0	2
170564PEER-F	●												6.4	2
AOET 170502PEER-P25	●												0.2	1
170504PEER-P25	●												0.4	1
170505PEER-P25	●												0.5	1
170508PEER-P25	●												0.8	1
170510PEER-P25	●												1.0	1
170512PEER-P25	●												1.2	1
AOET 170502PEER-P32	●												0.2	1
170504PEER-P32	●												0.4	1
170505PEER-P32	●												0.5	1
170508PEER-P32	●												0.8	1
170510PEER-P32	●												1.0	1
170512PEER-P32	●												1.2	1
AOET 170502PEFR-S								●	●				0.2	1
170504PEFR-S								●	●				0.4	1
170505PEFR-S								●	●				0.5	1
170508PEFR-S								●	●				0.8	1
170510PEFR-S								●	●				1.0	1
170512PEFR-S								●	●				1.2	1
170516PEFR-S								●	●				1.6	1
170520PEFR-S								●	●				2.0	1
170524PEFR-S								●	●				2.4	1
170530PEFR-S								●	●				3.0	1
170532PEFR-S								●	●				3.2	1
170540PEFR-S								●	●				4.0	1
170550PEFR-S								●	●				5.0	2
170564PEFR-S								●	●				6.4	2



-L: Low Cutting Force, -G: General-purpose, -H: Strong Edge,

-F: Medium Finishing, -P25/-P32: High-precision Machining, -S: Non-Ferrous Metals.

* -P25 is applicable to cutter diameters $\phi 25$ and $\phi 28$. -P32 is applicable to cutter diameters $\phi 30$, $\phi 32$ and $\phi 35$.

Recommended Cutting Conditions H58

Maximum Allowable Spindle Speed H59

Precautions for Mounting Inserts H55

● mark: Standard stocked item (new product/expanded item)

WEZR 11000M type

SEC-Modular Tool



New

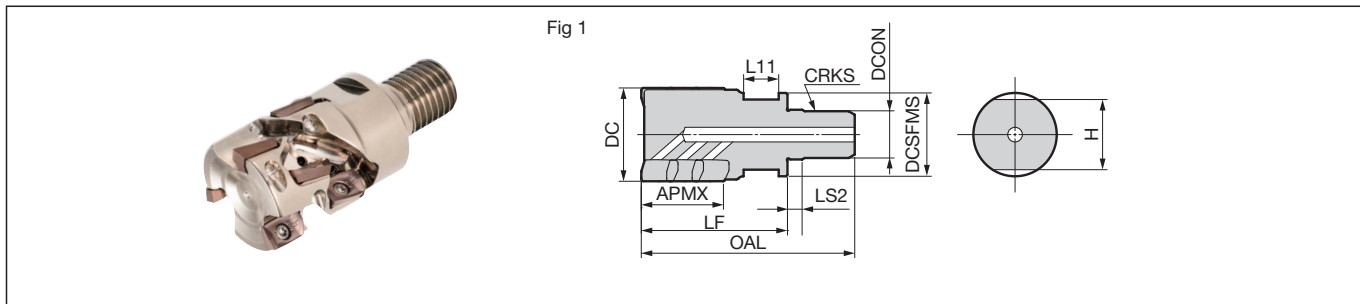
Rake Angle	Radial	-12°
	Axial	11°

27 mm 90°



Modular Tools

H



Shoulder Milling

Head

Dimensions (mm)

Cat. No.	Stock	Dia. DC	Max. Depth of Cut APMX	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Total No. of Teeth	No. of Stages	Effective No. of Teeth	Weight (kg)	Fig
WEZR 11032M1627Z3	●	32	27(26)	28.5	17	M16	73(72.7)	50(49.7)	5	12	24	9	3	3	0.21	1

The APMX, OAL and LF dimensions in parentheses are dimensions using RE = 3.0/3.2 insert. Inserts are sold separately.

Arbors H255

High-Feed

Parts

Flat Insert Screw	Integrated Wrench	Anti-seizure Cream
BFTX0306IP	1.5	TRDR08IP SUMI-P

Radius

Chamfering

Non-Ferrous Metals

Identification Code

WEZR 11 032 M16 27 Z3

Series Code Insert Size Dia. Mounting Screw Size Max. Depth of Cut Effective No. of Teeth

* Modification of the cutter body is required when using inserts with corner radius RE 2.4 or larger.

Modify the C chamfering portion.

WEZR11 type

Reworking guidelines

- Corner radius = 2.4: C1 (AOMT11T324PEER)
- Corner radius = 3.0: C2.5 (AOMT11T330PEER)
- Corner radius = 3.2: C2.5 (AOMT11T332PEER)

Standard: R1.

Insert

Dimensions (mm)

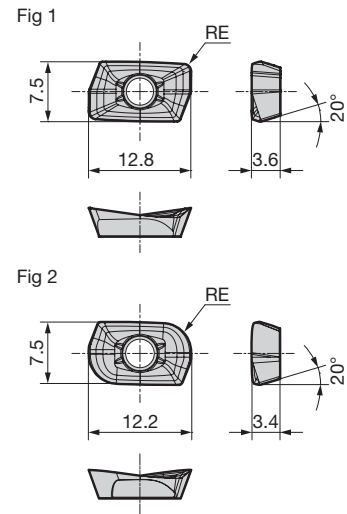
Grade Classification		Coated Carbide								Cemented Carbide	DLC	Cermet	Corner Radius RE	Fig	
Process	High-speed/Light Cutting	P	M	K	K	S	S	S	N	N	P				
	General-purpose	P	M	K	K	S	S	S	N	N	P				
	Roughing	P	M	K	K	S	S	S	N	N	P				
Cat. No.		ACU2500	XCU2500	ACP2000	ACP3000	XCK2000	ACK2000	ACK3000	ACM200	ACM300	H20	DL2000	T2500A		
AOMT 11T302PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.2	1
11T304PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.4	1
11T305PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.5	1
11T308PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.8	1
11T310PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	1.0	1
11T312PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	1.2	1
11T316PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	1.6	1
11T320PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	2.0	1
11T324PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	2.4	1
11T330PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	3.0	2
11T332PEER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	3.2	2
AOMT 11T304PEER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4	1
11T308PEER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8	1
11T312PEER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2	1
11T316PEER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	1.6	1
AOET 11T302PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	0.2	1
11T304PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	0.4	1
11T305PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	0.5	1
11T308PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	0.8	1
11T310PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	1.0	1
11T312PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1
11T316PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	1.6	1
11T320PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	2.0	1
11T324PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	2.4	1
11T330PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	3.0	2
11T332PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	—	3.2	2
AOET 11T302PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.2	1
11T304PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.4	1
11T305PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.5	1
11T308PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.8	1
11T310PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	1.0	1
11T312PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	1.2	1
11T316PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	1.6	1
11T320PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	2.0	1
11T324PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	2.4	1
11T330PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	3.0	2
11T332PEFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	3.2	2

-G: General-purpose, -H: Strong Edge, -F: Medium Finishing, -S: Non-Ferrous Metals.

Recommended Cutting Conditions **H82**

Precautions for Mounting Inserts **H55**

Use peripheral inserts with RE of 0.8mm or less from the second stage and above.



New

Rake Angle	Radial	-9°
	Axial	10°

29mm 90°



Modular Tools

H

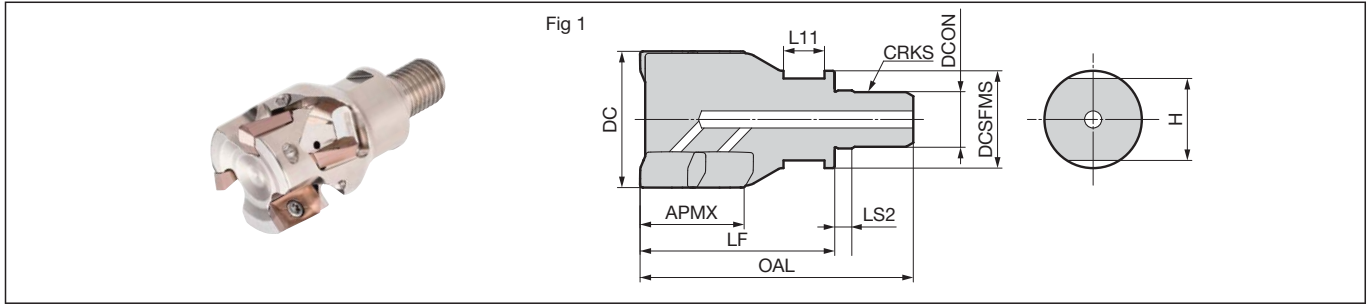
Shoulder Milling

High-Feed

Radius

Chamfering

Non-Ferrous Metals



Head

Dimensions (mm)

Cat. No.	Stock	Dia. DC	Max. Depth of Cut APMX	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Total No. of Teeth	No. of Stages	Effective No. of Teeth	Weight (kg)	Fig
WEZR 17040M1629Z3	●	40	29(28)	28.5	17	M16	80(79.3)	57(56.3)	5	12	24	6	2	3	0.29	1

The APMX, OAL and LF dimensions in parentheses are dimensions using RE = 5.0/6.4 insert. Inserts are sold separately.

Arbors H255

Parts

Flat Insert Screw	Integrated Wrench	Anti-seizure Cream
BFTX0409IP	3.0	TRDR15IP SUMI-P

Identification Code

WEZR 17 040 M16 29 Z3

Series Code Insert Size Dia. Mounting Screw Size Max. Depth of Cut Effective No. of Teeth

* Modification of the cutter body is required when using inserts with corner radius RE 2.4 or larger.



Modify the C chamfering portion.

WEZR17 type

Reworking guidelines

Corner radius = 2.4: C1

(AOMT170524PEER)

Corner radius = 3.0: C1.5

(AOMT170530PEER)

Corner radius = 3.2: C1.5

(AOMT170532PEER)

Corner radius = 4.0: C2

(AOMT170540PEER)

Corner radius = 5.0: C5

(AOMT170550PEER)

Corner radius = 6.4: C5

(AOMT170564PEER)

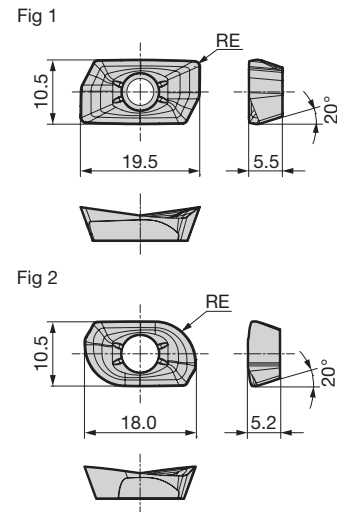
Standard: R1.



Insert

Dimensions (mm)

Grade Classification	Coated Carbide								Cemented Carbide	DLC	Cermet	Corner Radius RE	Fig	
	High-speed/Light Cutting	P	K	K	S	S	S	S		N	P			
Process	General-purpose	P	K	K	S	S	S	S	N	N				
	Roughing	P	K	K	S	S	S	S	N	N				
Cat. No.	ACU2500	XCU2500	ACP2000	ACP3000	XCK2000	ACK2000	ACK3000	ACM200	ACM300	H20	DL2000	T2500A		
AOMT 170502PEER-L	●	—	—	—	—	—	—	—	—	—	—	—	0.2	1
170504PEER-L	●	●	—	—	—	—	—	—	—	—	—	●	0.4	1
170508PEER-L	●	●	—	—	—	—	—	—	—	—	—	●	0.8	1
170512PEER-L	●	—	—	—	—	—	—	—	—	—	—	—	1.2	1
170516PEER-L	●	—	—	—	—	—	—	—	—	—	—	—	1.6	1
AOMT 170502PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	0.2	1
170504PEER-G	●	●	●	●	●	●	●	●	●	—	—	●	0.4	1
170505PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	0.5	1
170508PEER-G	●	●	—	—	—	—	—	—	—	—	—	●	0.8	1
170510PEER-G	●	—	—	—	—	—	—	—	—	—	—	—	1.0	1
170512PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	1.2	1
170516PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	1.6	1
170520PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	2.0	1
170524PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	2.4	1
170530PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	3.0	1
170532PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	3.2	1
170540PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	4.0	1
170550PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	5.0	2
170564PEER-G	●	●	—	—	—	—	—	—	—	—	—	—	6.4	2
AOMT 170504PEER-H	●	●	●	●	●	●	●	●	●	—	—	—	0.4	1
170508PEER-H	●	●	●	●	●	●	●	●	●	—	—	—	0.8	1
170512PEER-H	●	—	—	—	—	—	—	—	—	—	—	—	1.2	1
170516PEER-H	●	—	—	—	—	—	—	—	—	—	—	—	1.6	1
AOET 170502PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	0.2	1
170504PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	0.4	1
170505PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	0.5	1
170508PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	0.8	1
170510PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	1.0	1
170512PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	1.2	1
170516PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	1.6	1
170520PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	2.0	1
170524PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	2.4	1
170530PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	3.0	1
170532PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	3.2	1
170540PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	4.0	1
170550PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	5.0	2
170564PEER-F	●	—	—	—	—	—	—	—	—	—	—	—	6.4	2
AOET 170502PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	0.2	1
170504PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	0.4	1
170505PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	0.5	1
170508PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	0.8	1
170510PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	1.0	1
170512PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	1.2	1
170516PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	1.6	1
170520PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	2.0	1
170524PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	2.4	1
170530PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	3.0	1
170532PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	3.2	1
170540PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	4.0	1
170550PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	5.0	2
170564PEFR-S	—	—	—	—	—	—	—	—	—	●	●	—	6.4	2



-L: Low Cutting Force, -G: General-purpose, -H: Strong Edge, -F: Medium Finishing, -S: Non-Ferrous Metals.

Recommended Cutting Conditions **H84**

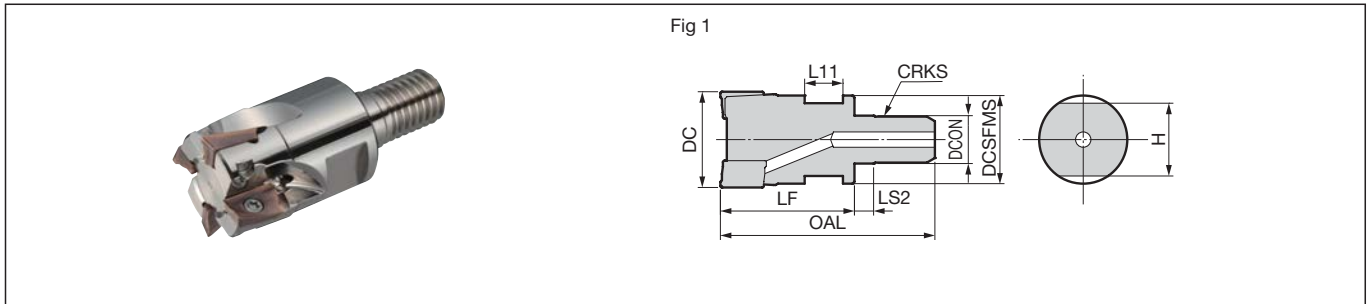
Precautions for Mounting Inserts **H55**

Use peripheral inserts with RE of 0.8mm or less from the second stage and above.

WEX 2000M type



Modular Tools



Head

Cat. No.	Stock	Dimensions (mm)										
		Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
WEX 2016M08Z2	●	16	15.0	8.5	M8	42	25	5	8	13	2	1
2018M08Z2	●	18	15.0	8.5	M8	42	25	5	8	13	2	1
2020M10Z3	●	20	18.0	10.5	M10	49	30	5	8	15	3	1
2022M10Z3	●	22	18.0	10.5	M10	49	30	5	8	15	3	1
2025M12Z4	●	25	23.0	12.5	M12	56	35	5	10	19	4	1
2028M12Z4	●	28	23.0	12.5	M12	56	35	5	10	19	4	1
2030M16Z4	●	30	28.5	17.0	M16	63	40	5	10	24	4	1
2032M16Z5	●	32	28.5	17.0	M16	63	40	5	10	24	5	1
2040M16Z6	●	40	28.5	17.0	M16	63	40	5	10	24	6	1

Inserts are sold separately.

Arbors H255

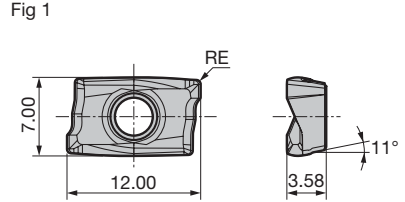
Shoulder Milling

High-Feed

Radius

Insert

Grade Classification	Coated Carbide						Carbide	DLC	Dimensions (mm)		
	Process						H1	DL1000	Corner Radius RE	Fig	
	High-speed/Light Cutting	General-purpose	Roughing								
	P	M	K	S			N				
	P	M	K	S			N				
	P	M	K	S			N				
Cat. No.	ACP100	ACP200	ACP300	ACK200	ACK300	ACM200	ACM300	H1	DL1000	Corner Radius RE	Fig
AXMT 123504PEER-G	●	●	●	●	●	—	—	—	—	0.4	1
123508PEER-G	●	●	●	●	●	—	—	—	—	0.8	1
123512PEER-G	●	●	●	●	●	—	—	—	—	1.2	1
AXMT 123504PEER-H	●	●	●	●	●	—	—	—	—	0.4	1
123508PEER-H	●	●	●	●	●	—	—	—	—	0.8	1
123512PEER-H	●	●	●	●	●	—	—	—	—	1.2	1
AXMT 123504PEER-E	—	—	—	—	—	●	●	—	—	0.4	1
123508PEER-E	—	—	—	—	—	●	●	—	—	0.8	1
123512PEER-E	—	—	—	—	—	●	●	—	—	1.2	1
AXMT 123508PEER-EH	—	—	—	—	—	●	●	—	—	0.8	1
AXET 123502PEFR-S	—	—	—	—	—	—	—	●	●	0.2	1
123504PEFR-S	—	—	—	—	—	—	—	●	●	0.4	1
123508PEFR-S	—	—	—	—	—	—	—	●	●	0.8	1



-G: General-purpose, -H: Strong Edge, -E, -EH: Exotic Alloy, -S: Aluminum Alloy.

Recommended Cutting Conditions H88

Chamfering

Non-Ferrous Metals

Identification Code

WEX 2 016 M08 Z2

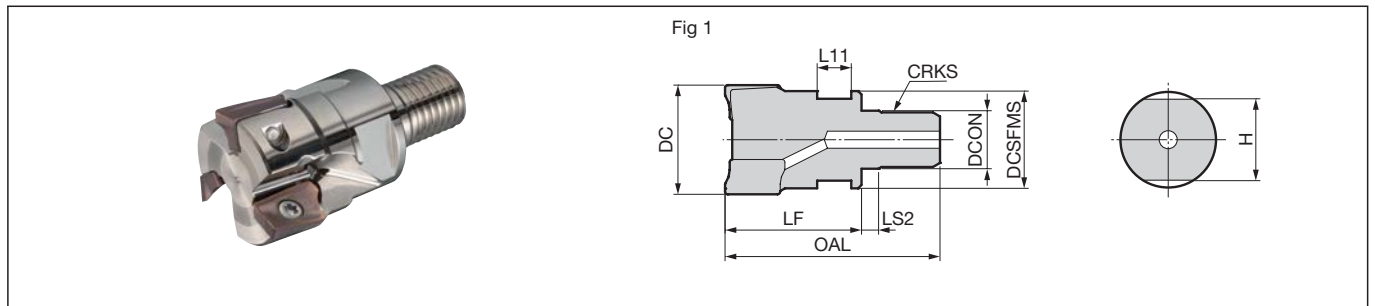
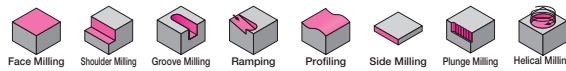
Series Code	Insert Size	Dia.	Mounting Screw Size	Number of Teeth
WEX	2	016	M08	Z2

Parts

Applicable Cutter	Flat Insert Screw	Wrench	Anti-seizure Cream
WEX2016M, WEX2018M WEX2020M to WEX2040M	BFTX0305IP BFTX0306IP	2.0 TRDR08IP	SUMI-P

Rake Angle	Radial	8° to 15°
	Axial	16° to 24°

14mm 90°



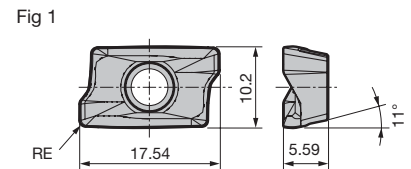
Head

Cat. No.	Stock	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
WEX 3025M12Z2	●	25	23.0	12.5	M12	56	35	5	10	19	2	1
3028M12Z2	●	28	23.0	12.5	M12	56	35	5	10	19	2	1
3030M16Z3	●	30	28.5	17.0	M16	63	40	5	10	24	3	1
3032M16Z3	●	32	28.5	17.0	M16	63	40	5	10	24	3	1
3035M16Z3	●	35	28.5	17.0	M16	63	40	5	10	24	3	1
3040M16Z4	●	40	28.5	17.0	M16	63	40	5	10	24	4	1

Inserts are sold separately.

Insert

Grade Classification	Coated Carbide				Carbide	DLC	Dimensions (mm)				
	P	M	K	N	K/N	N	Corner Radius RE	Fig			
High-speed/Light Cutting	P		K			N					
General-purpose	P	M	K	N		N					
Roughing	P	M	K	N							
Cat. No.	ACP100	ACP200	ACP300	ACK200	ACK300	ACM200	ACM300	H1	DL1000	Corner Radius RE	Fig
AXMT 170508PEER-L	●	●	●	●	●	—	—	—	—	0.8	1
AXMT 170504PEER-G	●	●	●	●	●	—	—	—	—	0.4	1
170508PEER-G	●	●	●	●	●	—	—	—	—	0.8	1
170512PEER-G	●	●	●	●	●	—	—	—	—	1.2	1
170516PEER-G	●	●	●	●	●	—	—	—	—	1.6	1
170520PEER-G	●	●	●	●	●	—	—	—	—	2.0	1
170530PEER-G	●	●	●	●	●	—	—	—	—	3.0	1
AXMT 170508PEER-H	●	●	●	●	●	—	—	—	—	0.8	1
170512PEER-H	●	●	●	●	●	—	—	—	—	1.2	1
AXMT 170504PEER-E	—	—	—	—	—	●	●	—	—	0.4	1
170508PEER-E	—	—	—	—	—	●	●	—	—	0.8	1
170512PEER-E	—	—	—	—	—	●	●	—	—	1.2	1
170516PEER-E	—	—	—	—	—	●	●	—	—	1.6	1
170520PEER-E	—	—	—	—	—	●	●	—	—	2.0	1
170530PEER-E	—	—	—	—	—	●	●	—	—	3.0	1
AXMT 170508PEER-EH	—	—	—	—	—	●	●	—	—	0.8	1
AXET 170502PEFR-S	—	—	—	—	—	—	—	●	●	0.2	1
170504PEFR-S	—	—	—	—	—	—	—	●	●	0.4	1
170508PEFR-S	—	—	—	—	—	—	—	●	●	0.8	1



-L: Low Cutting force, -G: General-purpose, -H: Strong Edge, -E, -EH: Exotic Alloy, -S: Aluminum Alloy.
* marked inserts require modification of the cutter body.

Recommended Cutting Conditions H89

Identification Code

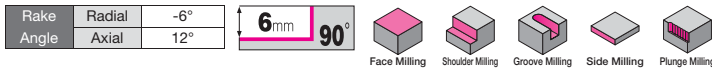
WEX 3 025 M12 Z2

Series Code Insert Size Dia. Mounting Screw Size Number of Teeth

Parts

Applicable Cutter	Flat Insert Screw	Wrench	Anti-seizure Cream
WEX3025M to WEX3030M WEX3032M to WEX3040M	BFTX0407IP BFTX0409IP	3.0 TRDR15IP	SUMI-P

WFX 08000M type



Modular Tools

H

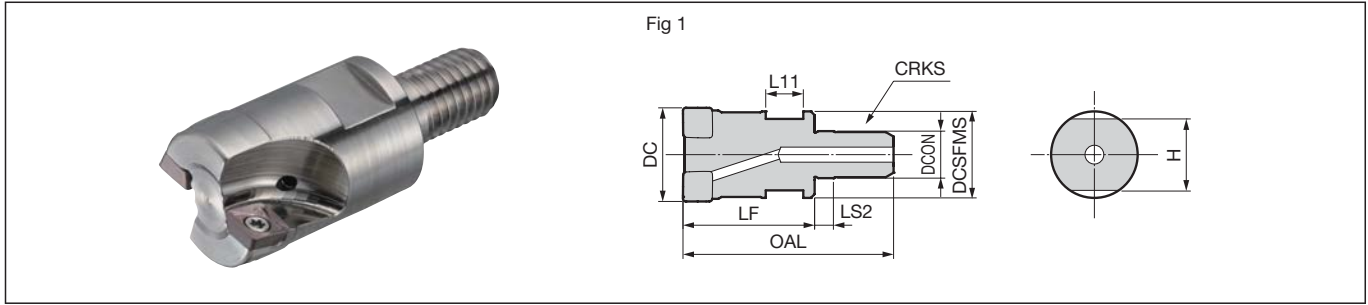
Shoulder Milling

High-Feed

Radius

Chamfering

Non-Ferrous Metals



Head

Dimensions (mm)

Cat. No.	Stock	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
WFX 08020M10Z2	●	20	18.0	10.5	M10	49	30	5	8	15	2	1
08022M10Z2	●	22	18.0	10.5	M10	49	30	5	8	15	2	1
08025M12Z2	●	25	23.0	12.5	M12	56	35	5	10	19	2	1
08028M12Z2	●	28	23.0	12.5	M12	56	35	5	10	19	2	1
08030M16Z3	●	30	28.5	17.0	M16	63	40	5	10	24	3	1
08032M16Z3	●	32	28.5	17.0	M16	63	40	5	10	24	3	1
08040M16Z3	●	40	28.5	17.0	M16	63	40	5	10	24	3	1

Inserts are sold separately.

Arbors H255

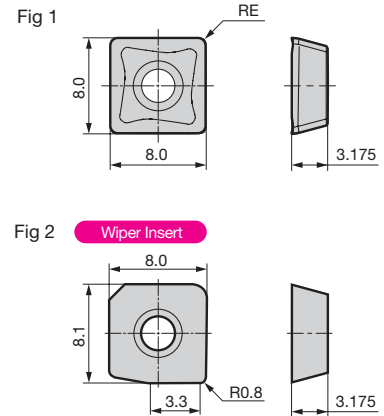
Insert

Dimensions (mm)

Grade Classification	Coated Carbide								Cemented Carbide	DLC	Cermet	Corner Radius RE	Fig	
	High-speed/Light Cutting	General-purpose	Roughing											
Cat. No.	ACU2500	XCU2500	ACP100	ACP200	ACP300	XCK2000	ACK200	ACK300	ACM200	ACM300	H1	DL1000	T4500A	
SOMT 080304PZER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4
080308PZER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
SOMT 080304PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4
080308PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
080312PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2
SOMT 080308PZER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
080312PZER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2
SOET 080304PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.4
080308PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.8
080312PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	1.2
SOET 080302PZFR-S	—	—	—	—	—	—	—	—	—	—	●	—	—	0.2
080304PZFR-S	—	—	—	—	—	—	—	—	—	—	●	—	—	0.4
080308PZFR-S	—	—	—	—	—	—	—	—	—	—	●	—	—	0.8
XOEW 080308PZTR-W	●	—	—	—	—	—	—	—	—	—	—	—	●	—

Refer to H109 (Precautions when Using Wiper Inserts) (Mounting Precautions).

Recommended Cutting Conditions H115



Identification Code

WFX 08 020 M10 Z2

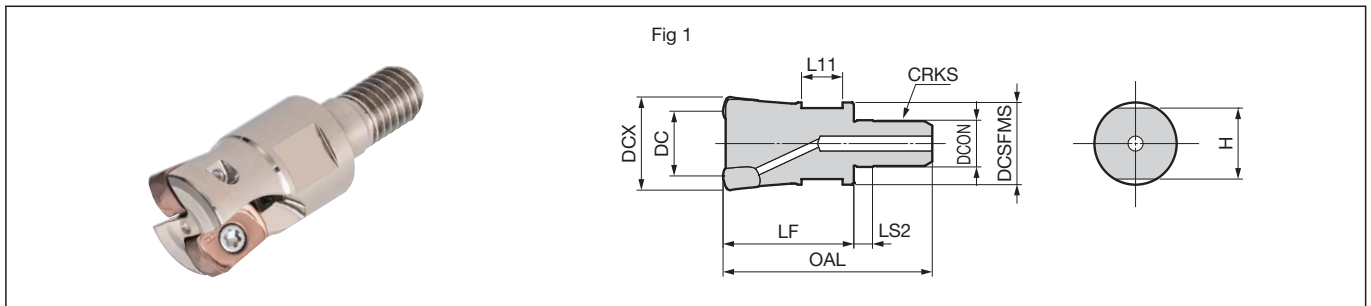
Series Code Insert Size Dia. Mounting Screw Size Number of Teeth

Parts

Flat Insert Screw	Wrench	Anti-seizure Cream
BFTX0306IP	2.0	TRDR08IP SUMI-P

New

Rake Angle	Radial	-12.5° to -16.5°
	Axial	-8°



Head

Cat. No.	Stock	Dimensions (mm)												Fig
		Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	
DMSL 06016M08Z2	●	16	8.4	14.5	8.5	M8	42	25	5	8	13	2	0.03	1
06018M08Z2	●	18	10.4	14.5	8.5	M8	42	25	5	8	13	2	0.03	1
06020M10Z3	●	20	12.4	18	10.5	M10	49	30	5	10	15	3	0.05	1
06020M10Z4	●	20	12.4	18	10.5	M10	49	30	5	10	15	4	0.05	1
06022M10Z3	●	22	14.3	18	10.5	M10	49	30	5	10	15	3	0.06	1
06022M10Z4	●	22	14.3	18	10.5	M10	49	30	5	10	15	4	0.06	1
06025M12Z4	●	25	17.3	22	12.5	M12	56	35	5	11	19	4	0.10	1
06025M12Z5	●	25	17.3	22	12.5	M12	56	35	5	11	19	5	0.10	1
06026M12Z4	●	26	18.3	22	12.5	M12	56	35	5	11	19	4	0.10	1
06028M12Z4	●	28	20.3	22	12.5	M12	56	35	5	11	19	4	0.11	1
06028M12Z5	●	28	20.3	22	12.5	M12	56	35	5	11	19	5	0.11	1
06030M16Z5	●	30	22.3	28.5	17	M16	63	40	5	12	24	5	0.18	1
06032M16Z5	●	32	24.3	28.5	17	M16	63	40	5	12	24	5	0.20	1
06032M16Z6	●	32	24.3	28.5	17	M16	63	40	5	12	24	6	0.20	1
06035M16Z5	●	35	27.3	28.5	17	M16	63	40	5	12	24	5	0.21	1
06040M16Z6	●	40	32.3	28.5	17	M16	63	40	5	12	24	6	0.25	1
06042M16Z6	●	42	34.3	28.5	17	M16	63	40	5	12	24	6	0.26	1

Inserts are sold separately.

Arbors H255

Parts

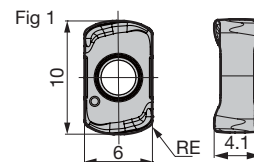
Flat Insert Screw	Integrated Wrench	Anti-seizure Cream
BFTX02507IP	2.0 TRDR08IP	SUMI-P

Identification Code

DMSL 06 025 M12 Z4
 Series Code Insert Size Max. Dia. Mounting Screw Size Number of Teeth

Insert

Grade Classification	Coated Carbide								Corner Radius RE	Fig
	High-speed/Light Cutting	P	K	M	S	S	S	S		
Process	General-purpose	P	K	M	S	S	S	S		
	Roughing	P	K	M	S	S	S	S		
Cat. No.	ACU2500	XCU2500	ACP2000	ACP3000	ACK2000	ACK3000	XCS2000	ACS2500	ACS3000	
LNMU 06T3ZNER-G	●	●	●	●	●	●	●	●	●	1.0 1



Recommended Cutting Conditions H171

DMSW 08000M type

SEC-Modular Tool



Expansion

Rake Angle	Radial	-11° to -13°
	Axial	-6°



Modular Tools

H

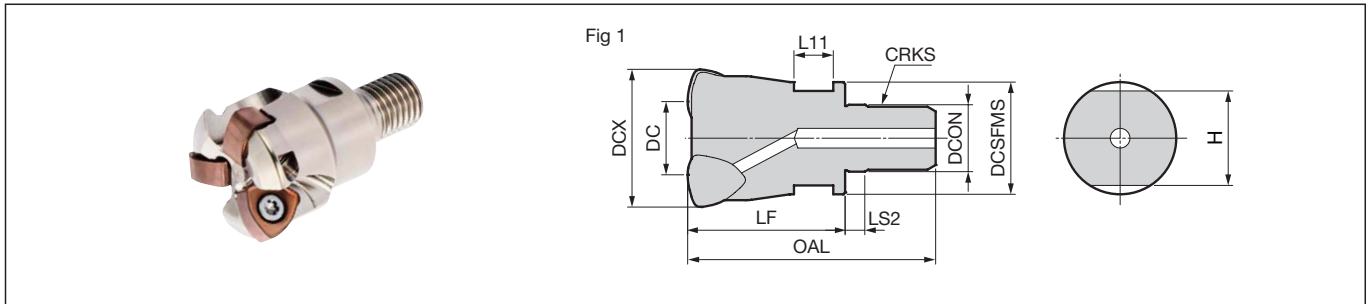
Shoulder Milling

High-Feed

Radius

Chamfering

Non-Ferrous Metals



Head

Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
DMSW 08035M16Z2	●	35	18.6	28.5	17	M16	63	40	5	10	24	2	0.19	1
08040M16Z3	●	40	23.5	28.5	17	M16	63	40	5	10	24	3	0.21	1
08042M16Z3	●	42	25.5	28.5	17	M16	63	40	5	10	24	3	0.23	1

Inserts are sold separately.

Note: The values in red have been changed from the 2021-2022 General Catalogue.

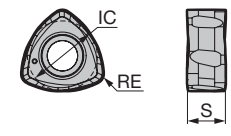
Arbors H255

Insert

Dimensions (mm)

Process	Grade Classification		Coated Carbide								Inscribed Circle IC	Thickness S	Corner Radius RE	Fig
	High-speed/Light Cutting	General-purpose	P	P	K	K	M	M	M	M				

Fig 1



Recommended Cutting Conditions H173

Identification Code

DMSW 08 040 M16 Z3

Series Code	Insert Size	Max. Dia.	Mounting Screw Size	Number of Teeth

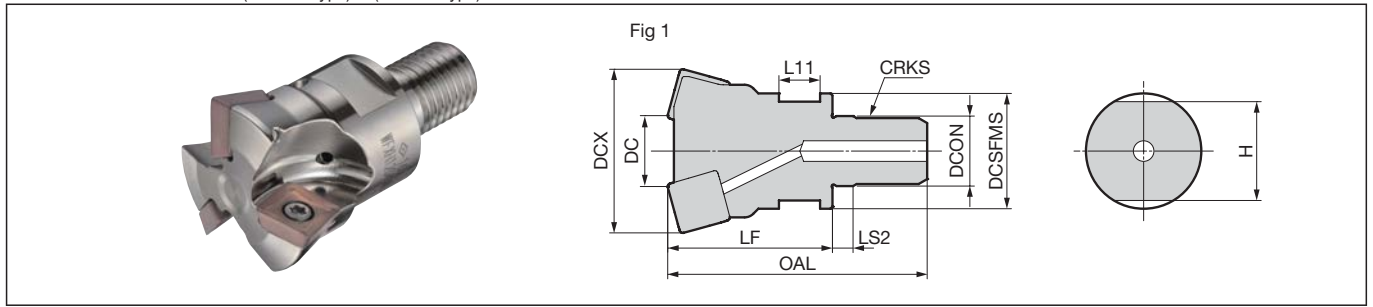
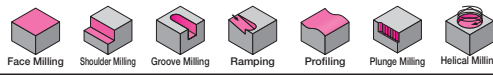
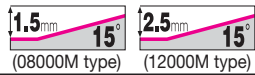
Parts

Flat Insert Screw	Integrated Wrench	Anti-seizure Cream
BFTX0513IP	TRDR20IP	SUMI-P
5.0		

WFXH 08000M/12000M type



Rake Angle	Radial	-6°
	Axial	6°



Head (Applicable Insert SOMET08 type)

Cat. No.	Stock	Dimensions (mm)											Fig	
		Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Radius Length LF	Length LS2	Flat L11	Width H	Number of Teeth		Weight (kg)
WFXH 08025M12Z2	●	25	11.5	23.0	12.5	M12	56	35	5	10	19	2	0.1	1
08032M16Z3	●	32	18.5	28.5	17.0	M16	63	40	5	10	24	3	0.2	1

* indicates value with corner radius 1.2 inserts mounted. Refer to H175 for details.

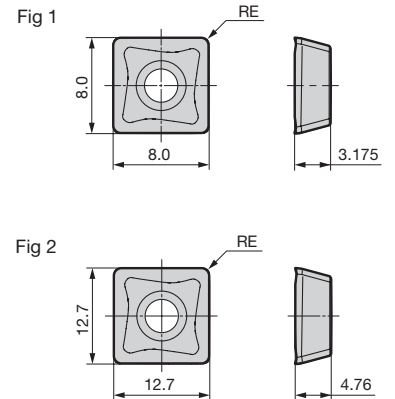
Head (Applicable Insert SOMET12 type)

Cat. No.	Stock	Dimensions (mm)											Fig	
		Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Radius Length LF	Length LS2	Flat L11	Width H	Number of Teeth		Weight (kg)
WFXH 12040M16Z3	●	40	18.1	28.0	17.0	M16	63	40	5	10	24	3	0.2	1

Inserts are sold separately. * indicates value with corner radius 1.6 inserts mounted. Refer to H175 for details.

Insert

Grade Classification	Coated Carbide										Cemented Carbide	DLC	Cermet	Dimensions (mm)	
	Process										H1	DL1000	T4500A	Corner Radius RE	Fig
	High-speed/Light Cutting	General-purpose	Roughing	Material											
Cat. No.	ACU2500	XCU2500	ACP100	ACP200	ACP300	XCK2000	ACK200	ACK300	ACM200	ACM300					
SOMET 080304PZER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4	1
080308PZER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8	1
SOMET 080304PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4	1
080308PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8	1
080312PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2	1
SOMET 080308PZER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8	1
080312PZER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2	1
SOET 080304PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.4	1
080308PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.8	1
080312PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	1.2	1
SOET 080302PZFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.2	1
080304PZFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.4	1
080308PZFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.8	1
SOMET 120408PDER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8	2
SOMET 120404PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4	2
120408PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.8	2
120412PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2	2
120416PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	1.6	2
120408PDER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8	2
SOET 120408PDRF-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.8	2



Identification Code

WFXH 08 025 M12 Z2

Series Code Insert Size Max. Dia. Mounting Screw Size Number of Teeth

Parts

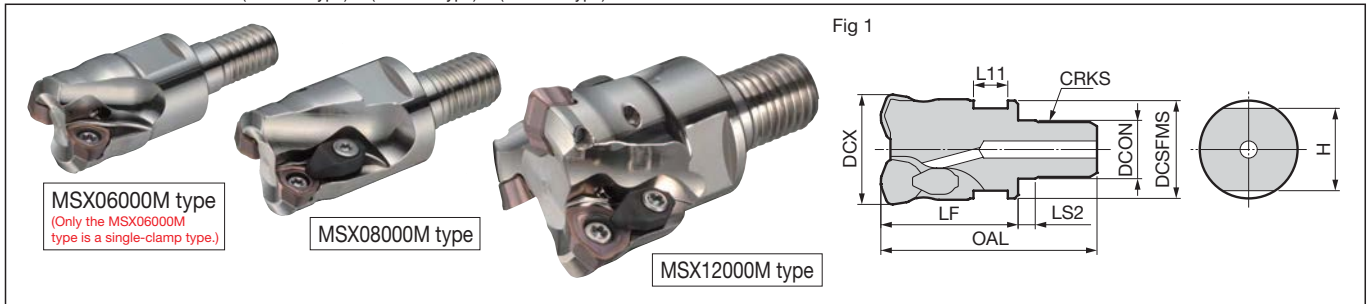
Applicable Cutter	Flat Insert Screw	Wrench	Anti-seizure Cream
WFXH08000M	BFTX0306IP	2.0 TRDR08IP	SUMI-P
WFXH12000M	BFTX03512IP	3.0 TRDR15IP	

Recommended Cutting Conditions Precautions for Use

MSX 06000M/08000M/12000M type



Rake Angle	Radial Axial	-3° to -6° 8°	1.0mm 20° (06000M type)	1.5mm 20° (08000M type)	2.0mm 20° (12000M type)	Face Milling	Shoulder Milling	Groove Milling	Ramping	Profiling	Plunge Milling	Helical Milling
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Modular Tools

H

Head (Applicable Insert WDMT06 type)

Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
MSX 06016M08Z2	●	16	15.0	8.5	M8	42	25	5	8	13	2	1
06018M08Z2	●	18	15.0	8.5	M8	42	25	5	8	13	2	1
MSX 06020M10Z3	●	20	18.0	10.5	M10	49	30	5	8	15	3	1
06022M10Z3	●	22	18.0	10.5	M10	49	30	5	8	15	3	1
06025M12Z3	●	25	23.0	12.5	M12	56	35	5	10	19	3	1

Inserts are sold separately.
Note: The values in red have been changed from the 2021-2022 General Catalogue.

Shoulder Milling

High-Feed

Head (Applicable Insert WDMT08 type)

Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
MSX 08025M12Z2	●	25	23.0	12.5	M12	56	35	5	10	19	2	1
08028M12Z2	●	28	23.0	12.5	M12	56	35	5	10	19	2	1
MSX 08030M16Z3	●	30	28.5	17.0	M16	63	40	5	10	24	3	1
08032M16Z3	●	32	28.5	17.0	M16	63	40	5	10	24	3	1
08035M16Z3	●	35	28.5	17.0	M16	63	40	5	10	24	3	1

Inserts are sold separately.

Radius

Chamfering

Head (Applicable Insert WDMT12 type)

Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
MSX 12032M16Z2	●	32	28.5	17.0	M16	63	40	5	10	24	2	1
12035M16Z2	●	35	28.5	17.0	M16	63	40	5	10	24	2	1
12040M16Z3	●	40	28.5	17.0	M16	63	40	5	10	24	3	1

Inserts are sold separately.

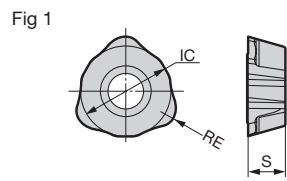
Non-Ferrous Metals

Arbors **H255**

Insert

Dimensions (mm)

Process	Grade Classification				Coated Carbide					
	High-speed/Light Cutting				General-purpose					
	General-purpose				Roughing					
Applications	Cat. No.	ACP200	ACP300	ACK200	ACK300	Inscribed Circle IC	Thickness S	Corner Radius RE	Applicable Cutter	Fig
General-purpose	WDMT 0603ZDTR	●	●	●	●	6.35	3.0	1.5	MSX06000M type	1
	0804ZDTR	●	●	●	●	8.5	4.0	2.0	MSX08000M type	1
	1205ZDTR	●	●	●	●	12.00	5.0	2.0	MSX12000M type	1
Honed type	WDMT 0603ZDTR-H	●	●	●	●	6.35	3.0	1.5	MSX06000M type	1
	0804ZDTR-H	●	●	●	●	8.5	4.0	2.0	MSX08000M type	1
	1205ZDTR-H	●	●	●	●	12.00	5.0	2.0	MSX12000M type	1



Recommended Cutting Conditions **H181**

Identification Code

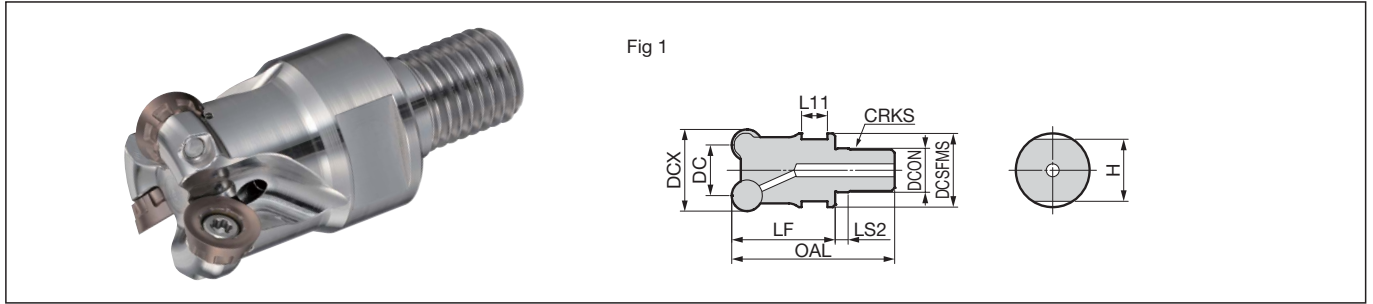
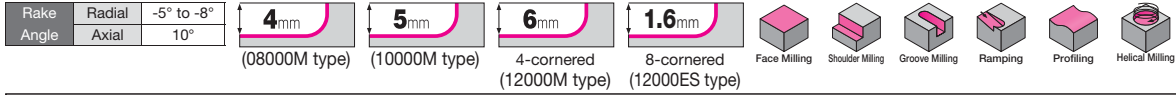
MSX 06 016 M08 Z2

Series Code Insert Size Max. Dia. Mounting Screw Size Number of Teeth

Parts

Applicable Cutter	Flat Insert Screw	Wrench	Clamp Plate	C-Ring	Clamp Screw	Anti-seizure Cream
MSX06000M type	BFTX02505IP 1.5	TRDR08IP	—	—	—	—
MSX08000M type	BFTX0306IP 2.0	TRDR15IP	CCH3.5	CR03	BFTX03510IP08	SUMI-P
MSX12000M type	BFTX0409IP 3.0	TRDR15IP	CCH3.5	CR03	BFTX03510IP15	SUMI-P

RSX(F) 08000M/10000M/12000M type



Head (Standard Pitch) Applicable Insert IC = 8mm type

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Flute Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
RSX 08020M10Z2	●	20	12	18.0	10.5	M10	49	30	5	8	15	2	0.1	1
08025M12Z3	●	25	17	23.0	12.5	M12	56	35	5	10	19	3	0.1	1
08032M16Z4	●	32	24	28.9	17.0	M16	63	40	5	10	24	4	0.2	1

Head (Extra Fine Pitch) Applicable Insert IC = 8mm type

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Flute Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
RSXF 08020M10Z3	●	20	12	18.0	10.5	M10	49	30	5	8	15	3	0.1	1
08025M12Z4	●	25	17	23.0	12.5	M12	56	35	5	10	19	4	0.1	1
08032M16Z5	●	32	24	28.9	17.0	M16	63	40	5	10	24	5	0.2	1

Head (Standard Pitch) Applicable Insert IC = 10mm type

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Flute Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
RSX 10025M12Z2	●	25	15	23.0	12.5	M12	56	35	5	10	19	2	0.1	1
10032M16Z3	●	32	22	28.5	17.0	M16	63	40	5	10	24	3	0.2	1

Head (Extra Fine Pitch) Applicable Insert IC = 10mm type

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Flute Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
RSXF 10025M12Z3	●	25	15	23.0	12.5	M12	56	35	5	10	19	3	0.1	1
10032M16Z4	●	32	22	28.5	17.0	M16	63	40	5	10	24	4	0.2	1

Head (Standard Pitch) Applicable Insert IC = 12mm type

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Flute Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
RSX 12032M16Z2	●	32	20	28.5	17.0	M16	63	40	5	10	24	2	0.2	1
12040M16Z3	●	40	28	28.5	17.0	M16	63	40	5	10	24	3	0.3	1

Head (Extra Fine Pitch) Applicable Insert IC = 12mm type

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Flute Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
RSXF 12032M16Z3	●	32	20	28.5	17.0	M16	63	40	5	10	24	3	0.2	1
12040M16Z4	●	40	28	28.5	17.0	M16	63	40	5	10	24	4	0.3	1

Inserts are sold separately.

Arbors H255

Insert

Grade Classification		Coated Carbide									Dimensions (mm)			
Process	High-speed/Light Cutting													
	General-purpose													
	Roughing													
Cat. No.	ACP200	ACK300	ACM100	ACM200	ACM300	Inscribed Circle IC	Corner Radius RE	Thickness S	Applicable Cutter	Fig				
RDET 0803M0EN-G	●	●	●	●	●	8	4.0	3.18	RSX(F)08000ES/M type	1				
0803M0EN-H	●	●	●	●	●	8	4.0	3.18		1				
RDET 10T3M0EN-G	●	●	●	●	●	10	5.0	3.97	RSX(F)10000RS/ES/M type	1				
10T3M0EN-H	●	●	●	●	●	10	5.0	3.97		1				
RDET 1204M0EN-G	●	●	●	●	●	12	6.0	4.76	RSX(F)12000RS/ES/M type	2				
1204M0EN-H	●	●	●	●	●	12	6.0	4.76		2				

Recommended Cutting Conditions H201

Precautions for Mounting Inserts H196

Identification Code

RSX F 10 025 M12 Z2

Series Code Extra Fine Pitch | Insert Size | Max. Dia. | Mounting Screw Size | Number of Teeth

Parts

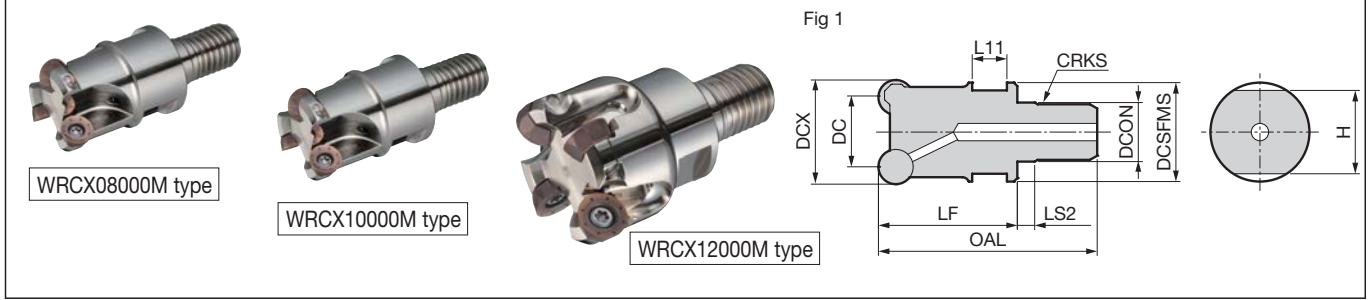
Applicable Cutter	Flat Insert Screw	Wrench	Anti-seizure Cream
RSX(F)08000M	BFTX02506IP 1.5	TRDR08IP	SUMI-P
RSX(F)10000M type	BFTX03584IP 3.0	TRDR15IP	
RSX(F)12000M type	BFTX0409IP 3.0		

WRCX 08000M/10000M/12000M type



Modular Tools

H



Shoulder Milling

High-Feed

Radius

Chamfering

Non-Ferrous Metals

Head (Applicable Insert IC = 8mm type) Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
WRCX 08020M10Z2	●	20	12	18.0	10.5	M10	49	30	5	8	15	2	1
08025M12Z3	●	25	17	23.0	12.5	M12	56	35	5	10	19	3	1

Inserts are sold separately.

Head (Applicable Insert IC = 10mm type) Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
WRCX 10025M12Z2	●	25	15	23.0	12.5	M12	56	35	5	10	19	2	1
10028M12Z2	●	28	18	23.0	12.5	M12	56	35	5	10	19	2	1
10030M16Z3	●	30	20	28.5	17.0	M16	63	40	5	10	24	3	1
10032M16Z3	●	32	22	28.5	17.0	M16	63	40	5	10	24	3	1

Inserts are sold separately.

Head (Applicable Insert IC = 12mm type) Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Fig
WRCX 12040M16Z4	●	40	28	28.5	17.0	M16	63	40	5	10	24	4	1

Inserts are sold separately.

Arbors H255

Insert

Process	Grade Classification		Coated Carbide		Cemented Carbide	DLC							
	High-speed/Light Cutting	General-purpose	P	M	K	N		IC	RE	S	Applicable Cutter	Fig	
	High-speed/Light Cutting	General-purpose	P	M	K	N							
	General-purpose	Roughing	M	M	K	N							
Applications	Cat. No.	ACP100	ACP200	ACP300	ACK200	ACK300	H1	DL1000	Inscribed Circle IC	Corner Radius RE	Thickness S	Applicable Cutter	Fig
General-purpose ^{*1}	QPMT 080330 PPEN	●	●	●	●	●	—	—	8	3.0	3.18	WRCX08000M type	1
	080330 PPEN-H	●	●	●	●	●	—	—	8	3.0	3.18	WRCX08000M type	1
	QPMT 10T335 PPEN	●	●	●	●	●	—	—	10	3.5	3.97	WRCX10000M type	1
	10T335 PPEN-H	●	●	●	●	●	—	—	10	3.5	3.97	WRCX10000M type	1
Non-Ferrous Metals	QPMT 120440 PPEN	●	●	●	●	●	—	—	12	4.0	4.76	WRCX12000M type	1
	120440 PPEN-H	●	●	●	●	●	—	—	12	4.0	4.76	WRCX12000M type	1
Surfing	QPET 10T350 PPFPR-S	—	—	—	—	—	●	●	10	5.0	3.97	WRCX10000M type	2
	QPET 120460 PPFPR-S	—	—	—	—	—	●	●	12	6.0	4.76	WRCX12000M type	2
	QPMT 120460 PPER-R	●	●	—	—	—	—	—	12	6.0	4.76	WRCX12000M type	3

*1: -H at the end means the strong edged type.

Fig 1 8-cornered

Fig 2 4-cornered

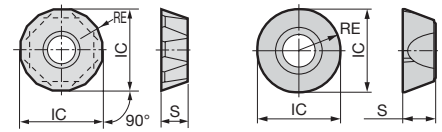
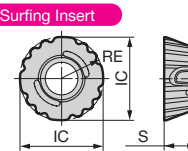


Fig 3 4-cornered Surfing Insert



Recommended Cutting Conditions H206

Identification Code

WRCX 08 020 M10 Z2

Series Code Insert Size Max. Dia. Mounting Screw Size Number of Teeth

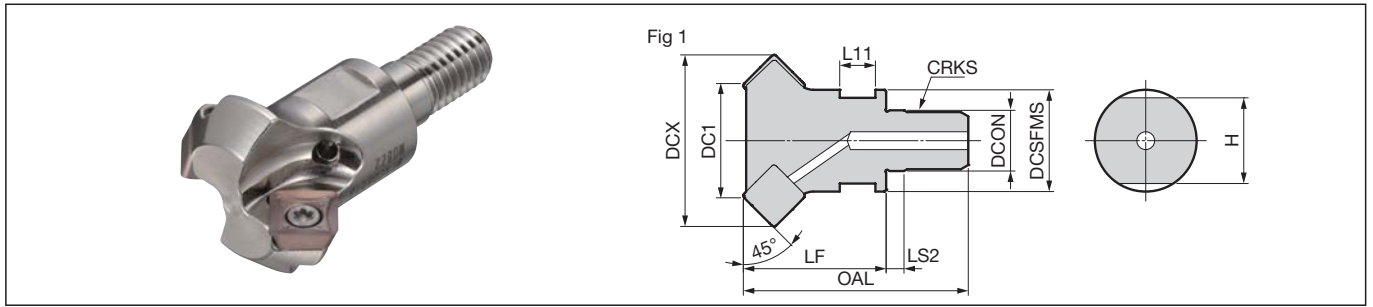
Parts

Applicable Cutter	Flat Insert Screw		Wrench	Anti-seizure Cream
WRCX08000M	BFTX02506IP	1.5	TRDR08IP	
WRCX10000M	BFTX03584IP	3.0	TRDR15IP	SUMI-P
WRCX12000M	BFTX0409IP	3.0	TRDR15IP	

WFXC 08000M/12000M type



Rake Angle	Radial	0°
	Axial	0°



Head (Applicable Insert SOMT08 type)

Dimensions (mm)

Cat. No.	Stock	Min. Machining Dia. DC1	Max. Dia. DCX	Boss Dia. DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
WFXC 08016M08Z2	●	16	25.5	14.5	8.5	M8	42	25	5	8	13	2	0.1	1

DC1 and DCX dimensions are values with an insert with 0.8 corner radius mounted.

Head (Applicable Insert SOMT12 type)

Dimensions (mm)

Cat. No.	Stock	Min. Machining Dia. DC1	Max. Dia. DCX	Boss Dia. DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
WFXC 12025M12Z3	●	25	41.0	23.0	12.5	M12	56	32	5	10	19	3	0.1	1
12032M16Z3	●	32	48.0	28.5	17.0	M16	63	40	5	10	24	3	0.2	1

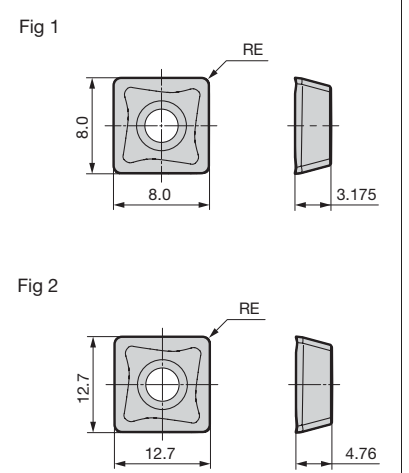
DC1 and DCX dimensions are values with an insert with 0.8 corner radius mounted.

Arbors H255

Insert

Dimensions (mm)

Grade Classification	Coated Carbide								Cemented Carbide	DLC	Cermet	Corner Radius RE	Fig	
	Process													
	High-speed/Light Cutting	General-purpose	Roughing											
Cat. No.	ACU2500	XCU2500	ACP100	ACP200	ACP300	XCX2000	ACK200	ACK300	ACM200	ACM300	H1	DL1000	T4500A	
SOMT 080304PZER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4
080308PZER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
SOMT 080304PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4
080308PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
080312PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2
SOMT 080308PZER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
080312PZER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2
SOET 080304PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.4
080308PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.8
080312PZER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	1.2
SOET 080302PZFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.2
080304PZFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.4
080308PZFR-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.8
SOMT 120408PDER-L	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
SOMT 120404PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	0.4
120408PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	●	0.8
120412PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	1.2
120416PDER-G	●	●	●	●	●	●	●	●	●	●	—	—	—	1.6
SOMT 120408PDER-H	●	●	●	●	●	●	●	●	●	●	—	—	—	0.8
SOET 120408PDER-S	—	—	—	—	—	—	—	—	—	—	●	●	—	0.8



Recommended Cutting Conditions H220, 221 Precautions for Use H219

Identification Code

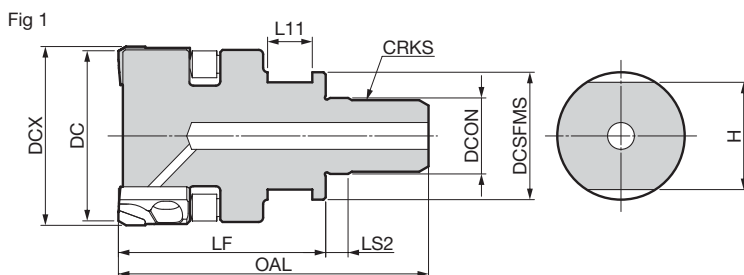
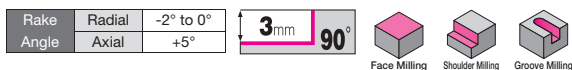
WFXC 08 016 M08 Z2

Series Code	Insert Size	Min. Machining Dia.	Mounting Screw Size	Number of Teeth
08	016	M08	Z2	

Parts

Applicable Cutter	Flat Insert Screw	Wrench	Anti-seizure Cream
	WFXC08000M	BFTX03061P	1.5
WFXC12000M	BFTX03512IP	3.0	TRDR15IP

ANXS 16000M type



Body (Steel)

Dimensions (mm)

Cat. No.	Stock	Max. Dia. DCX	Dia. DC	Boss DCSFMS	Mounting Dia. DCON	Screw CRKS	Overall Length OAL	Effective Length LF	Length LS2	Flat L11	Width H	Number of Teeth	Weight (kg)	Fig
														1
ANXS 16025M12Z02	●	25	23	23.0	12.5	M12	61	40	5	10	19	2	0.1	1
16030M16Z03	●	30	28	28.5	17.0	M16	70	47	5	10	24	3	0.2	1
16030M16Z04	●	30	28	28.5	17.0	M16	70	47	5	10	24	4	0.2	1
16032M16Z03	●	32	30	28.5	17.0	M16	70	47	5	10	24	3	0.3	1
16032M16Z04	●	32	30	28.5	17.0	M16	70	47	5	10	24	4	0.3	1
16040M16Z04	●	40	38	28.5	17.0	M16	70	47	5	10	24	4	0.4	1
16040M16Z06	●	40	38	28.5	17.0	M16	70	47	5	10	24	6	0.4	1

Blades are sold separately.

If using blades with corner radius (ANB1604R/ANB1608R), DC = DCX.

Weight indicated includes the weight with blades and other spare parts.

Arbors H255

Blade

Dimensions (mm)

Grade Classification	SUMIDIA		SUMICRYSTAL V	Cutting Edge Length	Corner Radius RE	Wiper Edge Shape	Applications	Fig
	High-speed/Light Cutting	General-purpose	Roughing					
Process								
Cat. No.	DA1000	DA90	SCV10					
ANB 1600R-L	●		—	6.0	—	Linear	Low Cutting Force	1
ANB 1600R-G	●		—	6.0	—	Arc-Shaped	General-purpose	1
ANB 1600R-GB		●	—	6.0	—	Arc-Shaped	Composite Milling	1
ANB 1600R-H	●	—	—	6.0	—	Arc-Shaped	Strong Edge	1
ANB 1600R-GX	●	—	—	9.0	—	Arc-Shaped	Long Edge	2
ANB 1604R	●	—	—	6.0	0.4	Linear	Corner Radius	3
ANB 1608R	●	—	—	6.0	0.8	Linear	Corner Radius	3
ANB 1600R-W	●	—	—	—	—	Arc-Shaped	Wiper	4
ANB 1600R-WS	—	—	●	—	—	Arc-Shaped	Wiper	5
ANBD	—	—	● ^{*2}	—	—	—	Dummy Blade	6

*1 Cast iron/aluminum alloy *2 Dummy blade for use with WS type (cemented carbide), refer to H228

"Precautions when Using Wiper Blades" (Mounting Precautions).

Recommended Cutting Conditions H233

Identification Code

ANX S 16 032 M16 Z03

Series Code Steel Body Blade Size Max. Dia. Screw Size Number of Teeth

Parts

Cap Screw	Adjustment Screw	Wrench	Adjustment Wrench
BXA0310IP	2.0	HFJ	TRXW10IP ANT

The adjustment wrench (ANT) can also be used for height adjustment of the High-speed Cutter RF type and High-efficiency Cutter HF type.

Maximum Allowable Spindle Speed

Cat. No.	n max(min ⁻¹)
ANXS 16025M12Z02	10,000
16030M16Z03	10,000
16030M16Z04	10,000
16032M16Z03	10,000
16032M16Z04	10,000
16040M16Z04	10,000
16040M16Z06	10,000

*The maximum allowable spindle speeds are set to prevent the inserts from dislodging by centrifugal force.

