

HOW TO READ THE STANDARD OF ROTATING TOOLS

●How this section page is organised

- ①Organised according to the face milling cutting mode.
(Refer to the index on the next page.)

SCOPE OF WORK MATERIAL COVERED BY THE TOOL provides a graph depicting the scope of the work material suitable for the tool.

PRODUCT FEATURES
CORNER ANGLE ICON

APPLICATION ICON represents available machining applications, such as finishing and roughing.

SPARE PARTS FOR ROTATING TOOLS indicates the names of the applicable spare parts.

TYPE/
NAME OF
PRODUCT

APPLICATION

PRODUCT
SECTION

CUTTING MODE ICON represents available cutting modes, such as face milling and shoulder milling.

GEOMETRY

INSERT SEAT LOCATION

ROTATING TOOLS

FACE MILLING
-GENERAL CUTTING-

ASX445

Light Alloy Cast Iron Carbon Steel Alloy Steel Stainless Steel Hardened Steel

Fig.1
Fig.2
Fig.3
Fig.4

● Precision inexpensive moulded type 20° positive insert.
● Screw-on type.
● A wide range of chip breakers.
● High rigidity due to carbide shim.

CH: 45°
AR: 120°~125°
R.R.: 15°~18°
T: 440°~450°
I: 1250°~1270°

Right hand tool holder shown.

Type	Order Number	Stock	R	L	Dimensions (mm)										Mass (kg)	Max. Depth of Cut (mm)	Type (Fig.)
					D1	D2	L1	L2	D3	L3	D4	L4	D5	L5			
Coarse Pitch	ASX445-050A03R	●	3	50	63.0	40	22	20	11	45	10.4	6.3	0.5	6	1		
	-063A04R	●	4	63	75.9	40	22	20	11	50	10.4	6.3	0.7	6	1		
	-080A05R	●	4	80	93.2	50	27	22	13.5	56	12.4	7	1.0	6	1		
	-100A05R	●	5	100	113.2	50	32	25	17.5	70	14.4	8	1.6	6	1		
	-125B06R	●	6	125	138.0	63	40	32	56	80	16.4	9	2.4	6	2		
Fine Pitch	-160C07R	●	7	160	173.0	63	40	29	56	100	16.4	9	3.9	6	3		
	-200C08R	●	8	200	212.9	63	60	32	135	155	25.7	14	6.7	6	4		
	-250C10R	●	10	250	262.9	63	60	32	174	200	25.7	14	10.5	6	4		
	-315C14R	●	14	315	327.9	80	60	57	256.8	285	25.7	14	22.4	6	4		
	ASX445-050A04R	●	4	50	63.0	40	22	20	11	45	10.4	6.3	0.4	6	1		
Extra Fine Pitch	-063A05R	●	5	63	75.9	40	22	20	11	50	10.4	6.3	0.6	6	1		
	-080A06R	●	6	80	93.2	50	27	22	13.5	56	12.4	7	0.9	6	1		
	-100A07R	●	7	100	113.2	50	32	25	17.5	70	14.4	8	1.5	6	1		
	-125B08R	●	8	125	138.0	63	40	32	56	80	16.4	9	2.3	6	2		
	-160C10R	●	10	160	173.0	63	40	29	56	100	16.4	9	3.6	6	3		
Extra Fine Pitch	-200C12R	●	12	200	212.9	63	60	32	135	155	25.7	14	5.8	6	4		
	-250C14R	●	14	250	262.9	63	60	32	174	200	25.7	14	10.6	6	4		
	-315C18R	●	18	315	327.9	80	60	57	256.8	285	25.7	14	22.2	6	4		
	ASX445-050A05R	●	5	50	63.0	40	22	20	11	45	10.4	6.3	0.4	6	1		
	-063A06R	●	6	63	75.9	40	22	20	11	50	10.4	6.3	0.6	6	1		
Extra Fine Pitch	-080A08R	●	8	80	93.2	50	27	22	13.5	56	12.4	7	0.9	6	1		
	-100A10R	●	10	100	113.2	50	32	25	17.5	70	14.4	8	1.5	6	1		
	-125B12R	●	12	125	138.0	63	40	32	56	80	16.4	9	2.3	6	2		
	-160C16R	●	16	160	173.0	63	40	29	56	100	16.4	9	3.6	6	3		
	-200C20R	●	20	200	212.9	63	60	32	135	155	25.7	14	6.5	6	4		
Extra Fine Pitch	-250C24R	●	24	250	262.9	63	60	32	174	200	25.7	14	10.3	6	4		
	-315C28R	●	28	315	327.9	80	60	57	256.8	285	25.7	14	21.8	6	4		

●: Inventory maintained. ★: Inventory maintained in Japan.
□: Non stock, produced to order only.

LEGEND FOR STOCK STATUS MARK

is shown on the left hand page of each double-page spread.

PRODUCT STANDARDS

indicates tool types, order numbers, stock status (per right/left hand), dimensions, etc.

PHOTO OF PRODUCT

SHANK TYPE

Order Number	Stock	R	L	Dimensions (mm)						Max. Depth of Cut (mm)
				D1	D2	L1	D4	L2	ap	
ASX445R503S32	●	3	50	63.0	125	32	40	6	6	
634S32	★	4	63	75.9	125	32	40	6	6	

SPARE PARTS

Tool Holder Number	Shim	Shim Screw	Clamp Screw	Wrench (Insert)	Wrench (Shank)
ASX445	STASX445N	WCS5503507H	TPS35	TIP15T	HKY35R

* Clamp Torque (N·m): WCS5503507H=5.0, TPS35=3.5

Wrench: 1. Wrench: The ASX445 uses a TORXPLUS® clamp screw. The attached wrench is for the exclusive use of this screw. To ensure the effectiveness of TORXPLUS® only use the attached wrench.
2. Hexagonal wrench: The attached hexagonal wrench is for use with the shim and the shim. The wrench size is 3.5mm.

Spare Parts: Only use the original parts that were supplied when purchased. If other parts are used the performance and safety can not be assured.

SPARE PARTS
TECHNICAL DATA

PAGE REFERENCE

- SPARE PARTS
- TECHNICAL DATA

indicates reference pages, including the above, on the right hand page of each double-page spread.