

HOW TO READ THE STANDARD OF THREADING TOOLS

●How this section page is organised

- ①Classified according to external or internal applications.
②Sub-classified according to product series.
(Refer to the index on the next page.)

FIGURE SHOWING THE TOOLING APPLICATION uses illustrations and arrows to depict the available machining applications, such as external and internal threading.

TYPE OF TOOL HOLDER
indicates the initial letters for the order number and cutting applications.

TITLE OF PRODUCT

INDICATION OF EXTERNAL /INTERNAL APPLICATION

PRODUCT SECTION

■ PRODUCT FEATURES

[illegible]

**LEGEND FOR
STOCK STATUS MARK**
is shown on the left hand page of
each double-page spread.

PRODUCT STANDARDS
indicates order numbers, stock status
(per right/left hand), applicable inserts,
holder dimensions, and spare parts.

- STANDARDS FOR APPLICABLE INSERTS indicates stock status, dimensions, etc. for applicable inserts.

THREADING

MMT M-CLASS INSERTS WITH 3-D CHIP BREAKERS

EXTERNAL

Type	Order Number	Coated VPMF VPMPT	Pitch		Dimensions (mm)							Total Cutting Depth (mm)	Geometry		
			mm	Threadpitch	Dh	Sx	Zx	Zz	Re						
Part Profile SP	MMT16ER40-S	●	0.5-1.5	48-18	9.525	3.44	0.8	0.9	0.06	—	Partial form	48°			
	16ER60-S	●	1.75-3.0	14-8	9.525	3.44	1.2	1.7	0.23	—	Partial form	14°			
	16ER100-S	●	3.0-5.0	10-6	9.525	3.44	1.5	2.5	0.32	—	Partial form	10°			
Part Profile SP	MMT16ER45-S	●	0.5-1.5	48-18	9.525	3.44	0.8	0.9	0.07	—	Partial form	48°			
	16ER65-S	●	1.75-3.0	14-8	9.525	3.44	1.2	1.7	0.23	—	Partial form	14°			
	16ER105-S	●	3.0-5.0	10-6	9.525	3.44	1.5	2.5	0.32	—	Partial form	10°			
ISO Metric	MMT16ER100ISO-S	●●	1.0	9.525	3.44	0.7	0.7	0.13	0.01	Full form	48°				
	16ER125ISO-S	●●	1.25	9.525	3.44	0.8	0.9	0.16	0.02	Full form	48°				
	16ER150ISO-S	●●	1.5	9.525	3.44	0.8	1.0	0.20	0.02	Full form	48°				
	16ER175ISO-S	●●	1.75	9.525	3.44	0.9	1.2	0.22	0.07	Full form	48°				
	16ER200ISO-S	●●	2.0	9.525	3.44	1.0	1.3	0.28	0.123	Full form	48°				
	16ER250ISO-S	●●	2.5	9.525	3.44	1.1	1.5	0.33	0.153	Full form	48°				
American UN	MMT16ER200US-S	●●	3.0	9.525	3.44	1.2	1.6	0.40	0.184	Full form	48°				
	MMT16ER160UN-S	●●	16	9.525	3.44	0.9	1.1	0.23	0.09	Full form	48°				
	16ER140UN-S	●●	14	9.525	3.44	1.0	1.2	0.26	0.11	Full form	48°				
	16ER120UN-S	●●	12	9.525	3.44	1.1	1.4	0.30	0.130	Full form	48°				
	MMT16ER190W-S	●●	19	9.525	3.44	0.8	1.0	0.18	0.06	Full form	48°				
	16ER140W-S	●●	14	9.525	3.44	1.0	1.2	0.25	0.10	Full form	48°				
Inch form for BSE SP	16ER110W-S	●●	11	9.525	3.44	1.1	1.5	0.32	0.148	Full form	48°				
	MMT16ER190BSP-S	●●	19	9.525	3.44	0.8	0.9	0.18	0.06	Full form	48°				
	16ER140BSP-S	●●	14	9.525	3.44	1.0	1.2	0.25	0.10	Full form	48°				
BSPPT	MMT16ER190BSP-S	●●	19	9.525	3.44	0.8	0.9	0.18	0.06	Full form	48°				
	16ER140BSP-S	●●	14	9.525	3.44	1.0	1.2	0.25	0.10	Full form	48°				
	MMT16ER190BSP-S	●●	19	9.525	3.44	1.1	1.5	0.32	0.148	Full form	48°				

IDENTIFICATION

MMT 16				E R				050				ISO - S				S
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PAGE REFERENCE

- SPARE PARTS
- STANDARD OF DEPTH OF CUT

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

IDENTIFICATION FOR INSERTS

RECOMMENDED CUTTING CONDITIONS
for each work material classification, indicates
recommended cutting conditions according to the ISO
categories for cutting grades, P, M, K, N, S and H.