

# TE90A 直角端銑刀 SHOULDER / CUTTING END MILLS (TE90A)



FIG-1

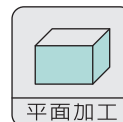
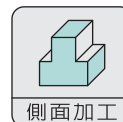
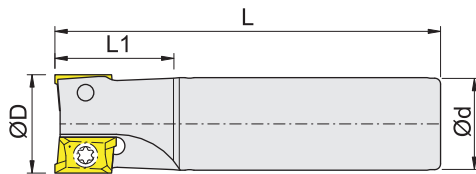
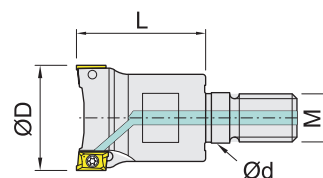


FIG-2



| FIG-1 Item code     |           | Dimensions,mm |    |     |    | Teeth | Insert      | Spare parts | Weight Kg |
|---------------------|-----------|---------------|----|-----|----|-------|-------------|-------------|-----------|
| 無水孔Non-coolant      | 水孔Coolant | D             | d  | L   | L1 |       |             |             |           |
| TE90A06-081-S10-100 |           | 8             | 10 | 100 | 12 | 1     | AXMT0602... | ①           | 0.06      |
| TE90A06-102-S10-120 |           | 10            | 10 | 120 | 16 | 2     |             |             | 0.07      |
| TE90A06-112-S10-120 |           | 11            | 10 | 120 | 12 | 2     |             | ②           | 0.07      |
| TE90A06-122-S12-130 |           | 12            | 12 | 130 | 16 | 2     |             |             | 0.12      |
| TE90A06-123-S12-130 |           | 12            | 12 | 130 | 16 | 3     |             |             | 0.12      |
| TE90A06-132-S12-130 |           | 13            | 12 | 130 | 16 | 2     |             |             | 0.12      |
| TE90A06-133-S12-130 |           | 13            | 12 | 130 | 16 | 3     |             |             | 0.12      |
| TE90A06-163-S16-150 |           | 16            | 16 | 150 | 25 | 3     |             |             | 0.24      |
| TE90A06-164-S16-150 |           | 16            | 16 | 150 | 25 | 4     |             |             | 0.24      |
| TE90A06-173-S16-150 |           | 17            | 16 | 150 | 20 | 3     |             |             | 0.24      |

| FIG-2 Item code  |                   | Dimensions,mm |     |    |    | Teeth | Insert     | Spare parts | Weight Kg |
|------------------|-------------------|---------------|-----|----|----|-------|------------|-------------|-----------|
| 無水孔Non-coolant   | 水孔Coolant         | D             | d   | L  | M  |       |            |             |           |
| TE90A06-091-MD08 |                   | 9             | 4.5 | 15 | M4 | 1     | AXMT0602.. | ①           | 0.02      |
| TE90A06-102-MD10 |                   | 10            | 5.5 | 16 | M5 | 2     |            |             | 0.02      |
| TE90A06-112-MD10 | TE90A06-112-AMD10 | 11            | 5.5 | 16 | M5 | 2     |            | ②           | 0.02      |
| TE90A06-122-MD11 | TE90A06-122-AMD11 | 12            | 6.5 | 18 | M6 | 2     |            |             | 0.03      |
| TE90A06-123-MD11 |                   | 12            | 6.5 | 18 | M6 | 3     |            |             | 0.03      |
| TE90A06-132-MD11 |                   | 13            | 6.5 | 20 | M6 | 2     |            |             | 0.03      |
| TE90A06-133-MD11 |                   | 13            | 6.5 | 20 | M6 | 3     |            |             | 0.03      |
| TE90A06-163-MD14 |                   | 16            | 8.5 | 20 | M8 | 3     |            |             | 0.04      |
| TE90A06-164-MD14 |                   | 16            | 8.5 | 20 | M8 | 4     |            |             | 0.04      |
| TE90A06-173-MD14 |                   | 17            | 8.5 | 20 | M8 | 3     |            |             | 0.05      |
| TE90A06-174-MD14 |                   | 17            | 8.5 | 20 | M8 | 4     |            |             | 0.04      |

| Insert      | Spare parts | Screw   | Wrench |
|-------------|-------------|---------|--------|
| AXMT0602... | ①           | MS1804A | ETF06  |
| AXMT0602... | ②           | MS1805A | ETF06  |

| 被切削材<br>Workpiece<br>material | Steel 鋼                | P | ● |
|-------------------------------|------------------------|---|---|
|                               | Stainless steel 不銹鋼    | M | ● |
|                               | Cast iron 鑄鐵           | K |   |
|                               | Non-ferrous metal 非鐵金屬 | N | ● |

| Insert Shape | Description    | GRADE 材質  |              | Dimensions,mm |     |     |     |
|--------------|----------------|-----------|--------------|---------------|-----|-----|-----|
|              |                | Coated 塗層 | Uncoated 無塗層 | A             | B   | S   | Re  |
|              |                | TT9030    | K10          |               |     |     |     |
|              | AXMT060202REM  | ●         |              | 6.1           | 4.1 | 2.6 | 0.2 |
|              | AXMT060204REM  | ●         |              |               |     |     | 0.4 |
|              | AXCT060202R-AL |           | ●            |               |     |     | 0.2 |
|              | AXCT060204R-AL |           | ●            |               |     |     | 0.4 |

內徑車刀  
BORING BARS

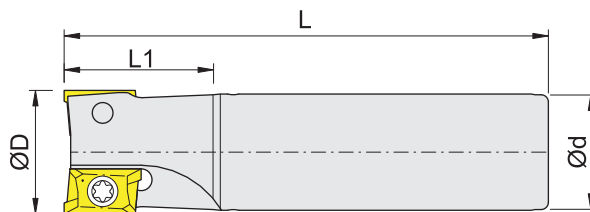
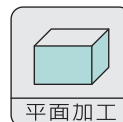
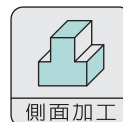
外徑車刀  
TOOL HOLDERS

牙刀 & 開槽刀  
THREADING & GROOVING

銑刀  
MILLING

孔加工  
BORING TOOLS COMPONENTS

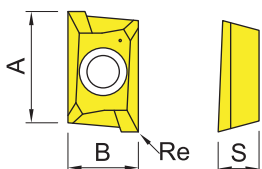
配件  
SPARE PARTS



| Item code           | Dimensions,mm |    |     |    | Teeth | Insert      | Spare parts | Weight Kg |
|---------------------|---------------|----|-----|----|-------|-------------|-------------|-----------|
|                     | D             | d  | L   | L1 |       |             |             |           |
| TE90A09-121-S12-150 | 12            | 12 | 150 | 20 | 1     | APKT09T3... | ①           | 0.13      |
| TE90A09-141-S16-150 | 14            | 16 | 150 | 24 | 1     |             | ②           | 0.24      |
| TE90A09-162-S16-150 | 16            | 16 | 150 | 24 | 2     |             |             | 0.24      |
| TE90A09-162-S16-200 | 16            | 16 | 200 | 24 | 2     |             |             | 0.32      |
| TE90A09-172-S16-150 | 17            | 16 | 150 | 20 | 2     |             |             | 0.24      |
| TE90A09-172-S16-200 | 17            | 16 | 200 | 20 | 2     |             |             | 0.32      |
| TE90A09-182-S20-150 | 18            | 20 | 150 | 30 | 2     |             |             | 0.37      |
| TE90A09-202-S20-150 | 20            | 20 | 150 | 30 | 2     |             |             | 0.37      |
| TE90A09-202-S20-200 | 20            | 20 | 200 | 30 | 2     |             |             | 0.49      |
| TE90A09-203-S20-150 | 20            | 20 | 150 | 30 | 3     |             |             | 0.37      |
| TE90A09-203-S20-200 | 20            | 20 | 200 | 30 | 3     |             |             | 0.49      |
| TE90A09-213-S20-150 | 21            | 20 | 150 | 20 | 3     |             |             | 0.37      |
| TE90A09-213-S20-200 | 21            | 20 | 200 | 20 | 3     |             |             | 0.49      |
| TE90A09-253-S25-150 | 25            | 25 | 150 | 35 | 3     |             |             | 0.58      |
| TE90A09-253-S25-200 | 25            | 25 | 200 | 35 | 3     |             |             | 0.77      |
| TE90A09-254-S25-150 | 25            | 25 | 150 | 35 | 4     |             |             | 0.58      |
| TE90A09-263-S25-150 | 26            | 25 | 150 | 25 | 3     |             |             | 0.58      |
| TE90A09-263-S25-200 | 26            | 25 | 200 | 25 | 3     |             |             | 0.77      |
| TE90A09-333-S32-150 | 33            | 32 | 150 | 32 | 3     |             |             | 0.95      |
| TE90A09-333-S32-200 | 33            | 32 | 200 | 32 | 3     |             |             | 1.26      |
| TE90A09-353-S32-150 | 35            | 32 | 150 | 32 | 3     |             |             | 0.95      |
| TE90A09-353-S32-200 | 35            | 32 | 200 | 32 | 3     |             |             | 1.26      |
| TE90A09-354-S32-150 | 35            | 32 | 150 | 32 | 4     |             |             | 0.95      |
| TE90A09-354-S32-200 | 35            | 32 | 200 | 32 | 4     |             |             | 1.26      |
| TE90A17-252-S25-150 | 25            | 25 | 150 | 35 | 2     | APKT1705..  | ③           | 0.58      |
| TE90A17-252-S25-200 | 25            | 25 | 200 | 35 | 2     |             |             | 0.77      |
| TE90A17-262-S25-150 | 26            | 25 | 150 | 35 | 2     |             |             | 0.58      |
| TE90A17-262-S25-200 | 26            | 25 | 200 | 35 | 2     |             |             | 0.77      |
| TE90A17-323-S32-150 | 32            | 32 | 150 | 40 | 3     |             |             | 0.95      |
| TE90A17-323-S32-200 | 32            | 32 | 200 | 40 | 3     |             |             | 1.26      |
| TE90A17-323-S32-250 | 32            | 32 | 250 | 40 | 3     |             |             | 1.58      |

|                               |                        |   |   |   |   |
|-------------------------------|------------------------|---|---|---|---|
| 被切削材<br>Workpiece<br>material | Steel 鋼                | P | ● | ● |   |
|                               | Stainless steel 不銹鋼    | M | ● | ● |   |
|                               | Cast iron 鑄鐵           | K |   |   | ● |
|                               | Non-ferrous metal 非鐵金屬 | N |   |   | ● |

| Insert Shape | Description | GRADE 材質  |        |              | Dimensions,mm |   |   |    |
|--------------|-------------|-----------|--------|--------------|---------------|---|---|----|
|              |             | Coated 塗層 |        | Uncoated 無塗層 |               |   |   |    |
|              |             | TT9030    | TT9080 | K10          | A             | B | S | Re |

|                                                                                     |                 |   |   |   |     |      |      |    |
|-------------------------------------------------------------------------------------|-----------------|---|---|---|-----|------|------|----|
|  | APKT09T3PER-EM  |   | ● |   | 9.8 | 6.2  | 3.8  | -- |
|                                                                                     | APCT09T3PER-ML  |   | ○ |   |     |      |      |    |
|                                                                                     | APCT09T3PER-AL  |   |   | ● |     |      |      |    |
|                                                                                     | APKT1705PER-EML |   | ○ |   | 17  | 10.7 | 5.56 | -- |
|                                                                                     | APKT1705PER-EM  | ● | ○ | ● |     |      |      |    |