



Shouldering



Slotting



Facing

● Toolholder Dimensions

| Description   |                 | Std.            | No. of Insert      | Dimension (mm) |    |     |      |      | Rake Angle (°) |        | Coolant Hole | Drawing | Spare Parts                                                                         |                                                                                     | Max. Revolution (min <sup>-1</sup> ) |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-----------------|-----------------|--------------------|----------------|----|-----|------|------|----------------|--------|--------------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|--------|--------|-----|-------|------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|               |                 |                 |                    | øD             | ød | L   | ℓ    | S    | A.R. (MAX)     | R.R.   |              |         | Clamp Screw                                                                         | Wrench                                                                              |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 |                    |                |    |     |      |      |                |        |              |         |  |  |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Cylindrical   | Standard Shank  | MEC 10-S10-11   | ●                  | 1              | 10 | 10  | 80   | 17   | 10             | +10°   | -24°         | No      | Fig.1                                                                               | SB-2545TR                                                                           | DTM-8                                | 54,800 |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 10-S16-11       | ●                  |                | 16 | 20  |      | +12° |                | -21°   | Yes          | Fig.2   |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 12-S10-11       | ●                  |                | 12 |     |      |      |                |        | 10           | No      | Fig.1                                                                               |                                                                                     |                                      | 49,200 |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 12-S12-11       | ●                  |                | 12 |     |      |      |                |        | 12           | Yes     | Fig.2                                                                               |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 12-S16-11       | ●                  |                | 13 |     |      |      |                |        | 12           | No      | Fig.1                                                                               |                                                                                     |                                      | 47,700 |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 13-S12-11       | ●                  |                | 14 |     |      |      |                |        | 12           | Yes     | Fig.2                                                                               |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 14-S12-11       | ●                  |                | 14 |     |      |      |                |        | 12           | +18°    | -14°                                                                                |                                                                                     |                                      | No     | Fig.1  |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 14-S16-11       | ●                  |                | 16 |     |      |      |                |        | 12           |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | MEC 16-S12-11T  | ●                  | 2              | 17 | 100 | 23   | 10   | +19°           | -13°   | Yes          | Fig.3   | SB-2555TRG                                                                          | DTM-8                                                                               | 43,750                               |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 17-S16-11T      | ●                  |                | 18 |     | 16   |      |                |        |              |         |                                                                                     |                                                                                     | 26                                   | +20°   | -10°   |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 18-S16-11T      | ●                  |                | 19 |     |      |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        | 110 | 29    | +21°       | -10°  |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 19-S16-11T      | ●                  |                | 20 |     |      |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       | 120    | 32    | +22°  | -9°   |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 20-S16-11T      | ●                  | 21             | 25 | 130 | +23° | -8°  |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 21-S20-11T      | ●                  | 22             |    |     |      |      | 32             | 50     | -7°          |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 22-S20-11T      | ●                  | 24             |    |     |      |      |                |        |              | 5       | 40                                                                                  | 50                                                                                  |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 24-S20-11T      | ●                  | 25             | 4  | 30  | 32   |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 25-S20-11T      | ●                  | 28             |    |     |      | 3    | 20             | 110    | 30           |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 28-S25-11T      | ●                  | 30             |    |     |      |      |                |        |              | 2       | 16                                                                                  | 100                                                                                 | 23                                   |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 30-S25-11T      | ●                  | 32             | 1  | 12  | 16   |      |                |        |              |         |                                                                                     |                                                                                     |                                      | 10     |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 32-S25-11T      | ●                  | 40             |    |     |      | 10   | 10             | 10     | 10           |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 40-S32-11T      | ●                  | 50             |    |     |      |      |                |        |              | 10      | 10                                                                                  | 10                                                                                  | 10                                   |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 | 50-S32-11T      | ●                  | 50             | 10 | 10  | 10   |      |                |        |              |         |                                                                                     |                                                                                     |                                      | 10     |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | MEC 16-S16-11T  | ●               | 2                  | 16             |    |     |      | 16   | 100            | 30     | +18°         |         |                                                                                     |                                                                                     |                                      |        | -14°   | Yes | Fig.4 | SB-2555TRG | DTM-8 | 43,750 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | 20-S20-11T      | ●               | 3                  | 20             |    |     |      | 20   | 110            | 32     | +20°         | -10°    | 41,000                                                                              |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | 25-S25-11T      | ●               | 4                  | 25             | 25 | 120 | 32   | +21° | -10°           | 37,500 |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | 32-S32-11T      | ●               | 4                  | 32             | 32 | 130 | 40   | +23° | -9°            | 33,900 |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | Long Shank      | Long Shank      | MEC 20-S18-170-11T | ●              | 2  | 18  | 170  | 30   | 10             | +20°   | -10°         | Yes     | Fig.3                                                                               | SB-2555TRG                                                                          | DTM-8                                | 41,000 |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 20-S20-140-11T     | ●              |    | 20  | 140  | 60   |                |        |              |         |                                                                                     |                                                                                     |                                      |        | +21°   | -9° |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 20-S20-170-11T     | ●              |    | 22  | 20   | 170  |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     | 30    | +22°       | -8°   |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 22-S20-170-11T     | ●              |    | 23  | 210  | 32   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     | +23°  |            |       | -7°    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 25-S23-210-11T     | ●              |    | 25  | 160  | 60   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        | Fig.4 | Fig.3 |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 25-S25-160-11T     | ●              |    | 25  | 210  | 32   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       | Fig.4 | Fig.3 |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 25-S25-210-11T     | ●              |    | 28  | 30   | 250  |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       | 40    | Fig.4 | Fig.3 |       |       |       |       |       |       |       |
|               |                 |                 | 28-S25-210-11T     | ●              |    | 32  | 200  | 65   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       | Fig.3 |       |       | Fig.3 |       |       |       |       |       |       |
|               |                 |                 | 32-S30-250-11T     | ●              |    | 32  | 250  | 40   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       | Fig.3 | Fig.3 |       |       |       |       |
|               |                 |                 | 32-S32-200-11T     | ●              |    | 35  | 240  | 65   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       | Fig.3 | Fig.3 |       |       |
|               |                 |                 | 32-S32-250-11T     | ●              |    | 40  | 240  | 65   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       | Fig.3 | Fig.3 |
|               |                 |                 | 40-S32-240-11T     | ●              |    | 40  | 240  | 65   |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | Standard Shank  | Standard Shank  | MEC 25-S20-17      | ●              | 2  | 25  | 20   | 120  | 36             | 15.7   | +16°         | -11°    | Yes                                                                                 | Fig.3                                                                               | SB-4070TRN                           | DTM-15 | 35,000 |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 32-S25-17          | ●              | 3  | 32  | 25   | 130  | 40             |        | +17°         | -7°     |                                                                                     |                                                                                     |                                      |        | 30,000 |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 40-S32-17          | ●              | 4  | 40  | 32   | 150  | 50             |        | +19°         | -7°     |                                                                                     |                                                                                     |                                      |        | 25,000 |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 50-S32-17          | ●              | 4  | 50  | 32   | 150  | 50             |        | +19°         | -7°     |                                                                                     |                                                                                     |                                      |        | 17,000 |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | Same Shank Size | Same Shank Size | MEC 25-S25-17      | ●              | 2  | 25  | 25   | 120  | 36             | 15.7   | +16°         | -11°    | Yes                                                                                 | Fig.4                                                                               | SB-4070TRN                           | DTM-15 | 35,000 |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 32-S32-17          | ●              | 3  | 32  | 32   | 130  | 40             |        | +17°         | -7°     |                                                                                     |                                                                                     |                                      |        | 30,000 |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               | Long Shank      | Long Shank      | MEC 25-S25-160-17  | ●              | 2  | 25  | 160  | 60   | 15.7           | +16°   | -11°         | Yes     | Fig.4                                                                               | SB-4070TRN                                                                          | DTM-15                               | 35,000 |        |     |       |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 25-S25-210-17      | ●              |    | 210 | 32   |      |                |        |              |         |                                                                                     |                                                                                     |                                      | 250    | 40     | 240 | 65    |            |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|               |                 |                 | 28-S25-210-17      | ●              |    | 28  |      |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       | 36         |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 32-S32-200-17 |                 |                 | ●                  | 32             |    | 200 |      |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            | 65    |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 32-S32-250-17 |                 |                 | ●                  | 35             |    |     |      |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       | 250    | 40    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 35-S32-250-17 |                 |                 | ●                  | 40             |    |     |      |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       | 240   | 65    |       |       |       |       |       |       |       |       |       |       |       |
| 40-S32-240-17 |                 |                 | ●                  | 40             |    |     |      |      |                |        |              |         |                                                                                     |                                                                                     |                                      |        |        |     |       |            |       |        |       |       |       | 240   | 65    |       |       |       |       |       |       |       |       |       |

■ Max. Revolution

When running the endmill and cutter at the maximum revolution, the insert or holder may be damaged by centrifugal force. For more details, see "Warning" on page M47.

