

# ROTATING TOOLS

## BALL NOSE END MILL



Roughing

- Suitable for roughing to semi-finishing of small and medium moulds.
- Low resistance chipbreaker.
- High rigidity body design.
- Through coolant hole type.



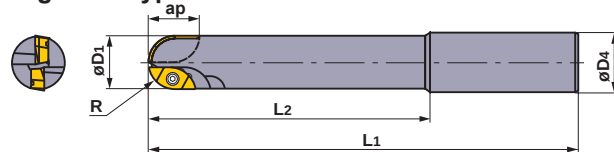
Including curved faces



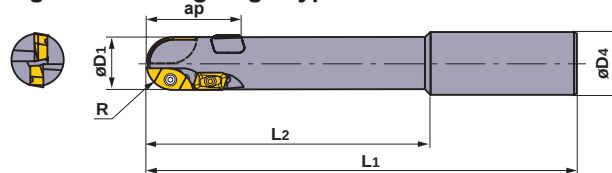
# SRM2

| Light Alloy | Cast Iron | Carbon Steel<br>Alloy Steel | Stainless Steel | Hardened Steel |
|-------------|-----------|-----------------------------|-----------------|----------------|
|             |           |                             |                 |                |

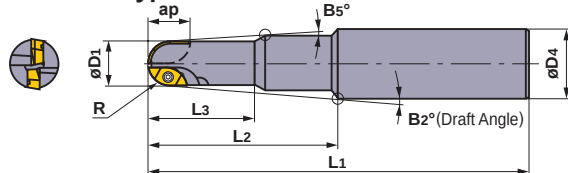
### Long Neck Type



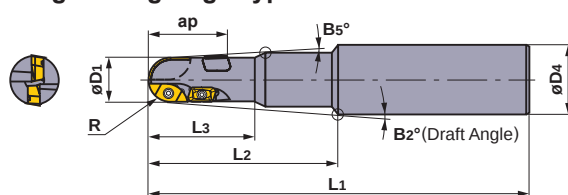
### Long Neck Cutting Edge Type



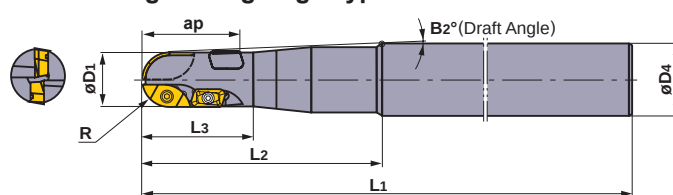
### Standard Type



### Long Cutting Edge Type



### Extra Long Cutting Edge Type



## STRAIGHT SHANK TYPE

Right hand tool holder only.

| Type              | Order Number | Stock | Coolant Hole | Number of Teeth | Dimensions (mm) |    |    |     |     |     |       |       |        |              |  |  |  |  |  |  |  |
|-------------------|--------------|-------|--------------|-----------------|-----------------|----|----|-----|-----|-----|-------|-------|--------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                   |              |       |              |                 | R               | D1 | D4 | L1  | L2  | L3  | ap    | B2°   | B5°    | Inner, Outer | Peripheral                                                                        | Inner, Outer                                                                      | Peripheral                                                                         | Inner                                                                               | Outer                                                                               | Peripheral                                                                          |                                                                                     |
|                   |              | R     | D1           | D4              | L1              | L2 | L3 | ap  | B2° | B5° | Clamp | Screw | Wrench |              | Insert                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Standard          | SRM2160SNM   | ★     | —            | 2               | 8               | 16 | 20 | 130 | 50  | 25  | 12    | 2°48' | 1°30'  | TS25H        | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG16C<br>SRM16C-M                                                                  | SRG16E<br>SRM16E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2160SAM      | ●     | ○            | 2               | 8               | 16 | 20 | 130 | 50  | 25  | 12    | 2°48' | 1°30'  | TS25H        | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG16C<br>SRM16C-M                                                                  | SRG16E<br>SRM16E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2200SNM      | ★     | —            | 2               | 10              | 20 | 25 | 150 | 70  | 35  | 14    | 2°27' | 1°30'  | TS32         | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG20C<br>SRM20C-M                                                                  | SRG20E<br>SRM20E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2200SAM      | ●     | ○            | 2               | 10              | 20 | 25 | 150 | 70  | 35  | 14    | 2°27' | 1°30'  | TS32         | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG20C<br>SRM20C-M                                                                  | SRG20E<br>SRM20E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2250SNM      | ★     | —            | 2               | 12.5            | 25 | 32 | 180 | 80  | 40  | 19    | 3°13' | 1°30'  | TS43         | —                                                                                 | ②TKY15T                                                                           | —                                                                                  | SRG25C<br>SRM25C-M                                                                  | SRG25E<br>SRM25E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2250SAM      | ●     | ○            | 2               | 12.5            | 25 | 32 | 180 | 80  | 40  | 19    | 3°13' | 1°30'  | TS43         | —                                                                                 | ②TKY15T                                                                           | —                                                                                  | SRG25C<br>SRM25C-M                                                                  | SRG25E<br>SRM25E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2300SNM      | ★     | —            | 2               | 15              | 30 | 32 | 200 | 100 | 50  | 24    | 0°44' | 0°30'  | TS55         | —                                                                                 | ②TKY25T                                                                           | —                                                                                  | SRG30C<br>SRM30C-M                                                                  | SRG30E<br>SRM30E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2300SAM      | ●     | ○            | 2               | 15              | 30 | 32 | 200 | 100 | 50  | 24    | 0°44' | 0°30'  | TS55         | —                                                                                 | ②TKY25T                                                                           | —                                                                                  | SRG30C<br>SRM30C-M                                                                  | SRG30E<br>SRM30E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2320SAM      | ●     | ○            | 2               | 16              | 32 | 32 | 200 | 100 | 45  | 28    | 0°30' | 0°30'  | TS55         | —                                                                                 | ②TKY25T                                                                           | —                                                                                  | SRG32C<br>SRM32C-M                                                                  | SRG32E<br>SRM32E-M                                                                  | —                                                                                   |                                                                                     |
| Long Cutting Edge | SRM2200SNL   | ★     | —            | 4               | 10              | 20 | 25 | 150 | 70  | 35  | 30    | 2°27' | 1°30'  | TS32         | TS25                                                                              | ①TKY08D                                                                           | ①TKY08D                                                                            | SRG20C<br>SRM20C-M                                                                  | SRG20E<br>SRM20E-M                                                                  | APMT1135<br>PDER-02                                                                 |                                                                                     |
|                   | 2200SAL      | ●     | ○            | 4               | 10              | 20 | 25 | 150 | 70  | 35  | 30    | 2°27' | 1°30'  | TS32         | TS25                                                                              | ①TKY08D                                                                           | ①TKY08D                                                                            | SRG20C<br>SRM20C-M                                                                  | SRG20E<br>SRM20E-M                                                                  | APMT1135<br>PDER-02                                                                 |                                                                                     |
|                   | 2250SNL      | ★     | —            | 4               | 12.5            | 25 | 32 | 180 | 80  | 40  | 37    | 3°13' | 1°30'  | TS43         | TS25                                                                              | ②TKY15T                                                                           | ③TKY08F                                                                            | SRG25C<br>SRM25C-M                                                                  | SRG25E<br>SRM25E-M                                                                  | APMT1135<br>PDER-02                                                                 |                                                                                     |
|                   | 2250SAL      | ●     | ○            | 4               | 12.5            | 25 | 32 | 180 | 80  | 40  | 37    | 3°13' | 1°30'  | TS43         | TS25                                                                              | ②TKY15T                                                                           | ③TKY08F                                                                            | SRG25C<br>SRM25C-M                                                                  | SRG25E<br>SRM25E-M                                                                  | APMT1135<br>PDER-02                                                                 |                                                                                     |
|                   | 2300SNL      | ★     | —            | 4               | 15              | 30 | 32 | 200 | 100 | 50  | 44    | 0°44' | 0°30'  | TS55         | TS43                                                                              | ②TKY25T                                                                           | ③TKY15F                                                                            | SRG30C<br>SRM30C-M                                                                  | SRG30E<br>SRM30E-M                                                                  | APMT1604<br>PDER-02                                                                 |                                                                                     |
|                   | 2300SAL      | ●     | ○            | 4               | 15              | 30 | 32 | 200 | 100 | 50  | 44    | 0°44' | 0°30'  | TS55         | TS43                                                                              | ②TKY25T                                                                           | ③TKY15F                                                                            | SRG30C<br>SRM30C-M                                                                  | SRG30E<br>SRM30E-M                                                                  | APMT1604<br>PDER-02                                                                 |                                                                                     |
|                   | 2320SAL      | ●     | ○            | 4               | 16              | 32 | 32 | 200 | 100 | 60  | 44    | 0°30' | 0°30'  | TS55         | TS43                                                                              | ②TKY25T                                                                           | ③TKY15F                                                                            | SRG32C<br>SRM32C-M                                                                  | SRG32E<br>SRM32E-M                                                                  | APMT1604<br>PDER-02                                                                 |                                                                                     |
| Long Neck         | SRM2160SNF   | ★     | —            | 2               | 8               | 16 | 16 | 150 | 70  | —   | 12    | —     | —      | TS25H        | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG16C<br>SRM16C-M                                                                  | SRG16E<br>SRM16E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2160SAF      | ★     | ○            | 2               | 8               | 16 | 16 | 150 | 70  | —   | 12    | —     | —      | TS25H        | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG16C<br>SRM16C-M                                                                  | SRG16E<br>SRM16E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2200SNF      | ★     | —            | 2               | 10              | 20 | 20 | 180 | 100 | —   | 14    | —     | —      | TS32         | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG20C<br>SRM20C-M                                                                  | SRG20E<br>SRM20E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2200SAF      | ★     | ○            | 2               | 10              | 20 | 20 | 180 | 100 | —   | 14    | —     | —      | TS32         | —                                                                                 | ①TKY08D                                                                           | —                                                                                  | SRG20C<br>SRM20C-M                                                                  | SRG20E<br>SRM20E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2250SNF      | ★     | —            | 2               | 12.5            | 25 | 25 | 200 | 120 | —   | 19    | —     | —      | TS43         | —                                                                                 | ②TKY15T                                                                           | —                                                                                  | SRG25C<br>SRM25C-M                                                                  | SRG25E<br>SRM25E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2250SAF      | ★     | ○            | 2               | 12.5            | 25 | 25 | 200 | 120 | —   | 19    | —     | —      | TS43         | —                                                                                 | ②TKY15T                                                                           | —                                                                                  | SRG25C<br>SRM25C-M                                                                  | SRG25E<br>SRM25E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2300SNF      | ★     | —            | 2               | 15              | 30 | 32 | 230 | 150 | —   | 24    | —     | —      | TS55         | —                                                                                 | ②TKY25T                                                                           | —                                                                                  | SRG30C<br>SRM30C-M                                                                  | SRG30E<br>SRM30E-M                                                                  | —                                                                                   |                                                                                     |
|                   | 2300SAF      | ★     | ○            | 2               | 15              | 30 | 32 | 230 | 150 | —   | 24    | —     | —      | TS55         | —                                                                                 | ②TKY25T                                                                           | —                                                                                  | SRG30C<br>SRM30C-M                                                                  | SRG30E<br>SRM30E-M                                                                  | —                                                                                   |                                                                                     |

★ Clamp Torque (N • m) : TS25H=1.0, TS25=1.0, TS32=1.0, TS43=3.5, TS55=7.5

● : Inventory maintained. ★ : Inventory maintained in Japan.