

● Toolholder Dimensions [Will be switched to Dynamic Bar, see ● F85~F88 (Alternative Toolholder Reference Table for Boring Bar)].

| Description                                  | (Previous Description)                      | Std.                     |                          | Min. Bore Dia.           | Dimension (mm)           |                          |                          |                          |                          |                          |                          | θ                        | Standard Corner-R. (r)   | Drawing                  | Spare Parts              |                          |
|--|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|  |   | R                        | L                        |                          | φA                       | φD                       | H                        | L1                       | L2                       | L3                       | L4                       |                          |                          |                          | F                        | Clamp Screw              |
|  |   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| S10M-SCLP <sup>β</sup> / <sub>L</sub> 08-12E | SCLP <sup>β</sup> / <sub>L</sub> 1210B-08E  | <input type="checkbox"/> | <input type="checkbox"/> | 12                       | 10                       | 9                        | 150                      | 23                       | -                        | -                        | 6                        | 5°                       | 0.4                      | Fig.1                    | SB-3STR                  | FT-10                    |
| S12M-SCLP <sup>β</sup> / <sub>L</sub> 08-14E |   | <input type="checkbox"/> | <input type="checkbox"/> | 14                       | 12                       | 11                       | 150                      | 25                       | -                        | -                        | 7                        | 4°                       |                          |                          |                          |                          |
| S12M-SCLP <sup>β</sup> / <sub>L</sub> 09-16E |   | <input type="checkbox"/> | <input type="checkbox"/> | 16                       | 12                       | 11                       | 150                      | 29                       | -                        | -                        | 8                        | 4°                       |                          |                          |                          |                          |
| S16Q-SCLP <sup>β</sup> / <sub>L</sub> 09-18E |   | <input type="checkbox"/> | <input type="checkbox"/> | 18                       | 16                       | 15                       | 180                      | 31                       | -                        | -                        | 9                        | 3.5°                     |                          |                          |                          |                          |
| S16R-SCLP <sup>β</sup> / <sub>L</sub> 09-20E |   | <input type="checkbox"/> | <input type="checkbox"/> | 20                       | 16                       | 15                       | 200                      | 34                       | -                        | -                        | 10                       | 3°                       |                          |                          |                          |                          |
| S20X-SCLP <sup>β</sup> / <sub>L</sub> 09-25E |   | <input type="checkbox"/> | <input type="checkbox"/> | 25                       | 20                       | 19                       | 220                      | 37                       | -                        | -                        | 12.5                     | 0°                       |                          |                          |                          |                          |
| S10M-SCLP <sup>β</sup> / <sub>L</sub> 08-12  | SCLP <sup>β</sup> / <sub>L</sub> 1210B-08   | <input type="checkbox"/> | <input type="checkbox"/> | 12                       | 10                       | 9                        | 150                      | 23                       | -                        | -                        | 6                        | 5°                       | 0.4                      | Fig.2                    | SB-3STR                  | FT-10                    |
| S12M-SCLP <sup>β</sup> / <sub>L</sub> 08-14  |   | <input type="checkbox"/> | <input type="checkbox"/> | 14                       | 12                       | 11                       | 150                      | 25                       | -                        | -                        | 7                        | 4°                       |                          |                          |                          |                          |
| S12M-SCLP <sup>β</sup> / <sub>L</sub> 09-16  | SCLP <sup>β</sup> / <sub>L</sub> 1210B-08W  | <input type="checkbox"/> | <input type="checkbox"/> | 16                       | 12                       | 11                       | 150                      | 29                       | -                        | -                        | 8                        | 4°                       | 0.4                      | Fig.3                    | SB-4TR                   | FT-15                    |
| S16N-SCLP <sup>β</sup> / <sub>L</sub> 09-18  |   | <input type="checkbox"/> | <input type="checkbox"/> | 18                       | 16                       | 15                       | 160                      | 31                       | -                        | -                        | 9                        | 3.5°                     |                          |                          |                          |                          |
| S16Q-SCLP <sup>β</sup> / <sub>L</sub> 09-20  |   | <input type="checkbox"/> | <input type="checkbox"/> | 20                       | 16                       | 15                       | 180                      | 34                       | -                        | -                        | 10                       | 3°                       |                          |                          |                          |                          |
| S20R-SCLP <sup>β</sup> / <sub>L</sub> 09-25  |   | <input type="checkbox"/> | <input type="checkbox"/> | 25                       | 20                       | 19                       | 200                      | 37                       | -                        | -                        | 12.5                     | 0°                       |                          |                          |                          |                          |
| S25S-SCLP <sup>β</sup> / <sub>L</sub> 09-30  |   | <input type="checkbox"/> | <input type="checkbox"/> | 30                       | 25                       | 24                       | 250                      | 40                       | -                        | -                        | 15                       | 0°                       |                          |                          |                          |                          |
| C10N-SCLP <sup>β</sup> / <sub>L</sub> 08-12  |   | <input type="checkbox"/> | <input type="checkbox"/> | 12                       | 10                       | 9                        | 80                       | 12                       | -                        | -                        | 6                        | 8°                       |                          |                          |                          |                          |
| SCLP <sup>β</sup> / <sub>L</sub> 08-12-1/2   | <input type="checkbox"/>                    | <input type="checkbox"/> | 12                       | 10                       | 9                        | 105                      | 12                       | -                        | -                        | 6                        | 8°                       |                          |                          |                          |                          |                          |
| SCLP <sup>β</sup> / <sub>L</sub> 08-12-2/3   | <input type="checkbox"/>                    | <input type="checkbox"/> | 12                       | 10                       | 9                        | 120                      | 12                       | -                        | -                        | 6                        | 8°                       |                          |                          |                          |                          |                          |
| C12Q-SCLP <sup>β</sup> / <sub>L</sub> 09-16  | <input type="checkbox"/>                    | <input type="checkbox"/> | 16                       | 12                       | 11                       | 180                      | 14                       | -                        | -                        | 8                        | 5°                       |                          |                          |                          |                          |                          |
| SCLP <sup>β</sup> / <sub>L</sub> 09-16-1/2   | <input type="checkbox"/>                    | <input type="checkbox"/> | 16                       | 12                       | 11                       | 90                       | 14                       | -                        | -                        | 8                        | 5°                       |                          |                          |                          |                          |                          |
| SCLP <sup>β</sup> / <sub>L</sub> 09-16-2/3   | <input type="checkbox"/>                    | <input type="checkbox"/> | 16                       | 12                       | 11                       | 120                      | 14                       | -                        | -                        | 8                        | 5°                       |                          |                          |                          |                          |                          |
| C16X-SCLP <sup>β</sup> / <sub>L</sub> 09-20  | SCLP <sup>β</sup> / <sub>L</sub> 2016B-09W  | <input type="checkbox"/> | <input type="checkbox"/> | 20                       | 16                       | 15                       | 110                      | 16                       | -                        | -                        | 10                       | 3°                       | 0.4                      | Fig.5                    | SB-4TR                   | FT-15                    |
| SCLP <sup>β</sup> / <sub>L</sub> 09-20-1/2   |   | <input type="checkbox"/> | <input type="checkbox"/> | 20                       | 16                       | 15                       | 145                      | 16                       | -                        | -                        | 10                       | 3°                       |                          |                          |                          |                          |
| SCLP <sup>β</sup> / <sub>L</sub> 09-20-2/3   |   | <input type="checkbox"/> | <input type="checkbox"/> | 20                       | 16                       | 15                       | 165                      | 16                       | -                        | -                        | 10                       | 3°                       |                          |                          |                          |                          |
| C20S-SCLP <sup>β</sup> / <sub>L</sub> 09-25  | SCLP <sup>β</sup> / <sub>L</sub> 2520B-09W  | <input type="checkbox"/> | <input type="checkbox"/> | 25                       | 20                       | 19                       | 125                      | 17                       | -                        | -                        | 12.5                     | 0°                       | 0.4                      | Fig.5                    | SB-4TR                   | FT-15                    |
| SCLP <sup>β</sup> / <sub>L</sub> 09-25-1/2   |   | <input type="checkbox"/> | <input type="checkbox"/> | 25                       | 20                       | 19                       | 165                      | 17                       | -                        | -                        | 12.5                     | 0°                       |                          |                          |                          |                          |
| SCLP <sup>β</sup> / <sub>L</sub> 09-25-2/3   |   | <input type="checkbox"/> | <input type="checkbox"/> | 25                       | 20                       | 19                       | 175                      | 17                       | -                        | -                        | 12.5                     | 0°                       |                          |                          |                          |                          |
| A10X-SCLP <sup>β</sup> / <sub>L</sub> 08-12E | SCLP <sup>β</sup> / <sub>L</sub> 1210B-08EH | <input type="checkbox"/> | <input type="checkbox"/> | 12                       | 10                       | 9                        | 120                      | 23                       | -                        | -                        | 6                        | 5°                       | 0.4                      | Fig.6                    | SB-3STR                  | FT-10                    |
| A12X-SCLP <sup>β</sup> / <sub>L</sub> 08-14E |   | <input type="checkbox"/> | <input type="checkbox"/> | 14                       | 12                       | 11                       | 120                      | 25                       | -                        | -                        | 7                        | 4°                       |                          |                          |                          |                          |
| A12X-SCLP <sup>β</sup> / <sub>L</sub> 09-16E |   | <input type="checkbox"/> | <input type="checkbox"/> | 16                       | 12                       | 11                       | 120                      | 29                       | -                        | -                        | 8                        | 4°                       |                          |                          |                          |                          |
| A16M-SCLP <sup>β</sup> / <sub>L</sub> 09-18E |   | <input type="checkbox"/> | <input type="checkbox"/> | 18                       | 16                       | 15                       | 150                      | 31                       | -                        | -                        | 9                        | 3.5°                     |                          |                          |                          |                          |
| -SCLP <sup>β</sup> / <sub>L</sub> 09-20E     |   | <input type="checkbox"/> | <input type="checkbox"/> | 20                       | 16                       | 15                       | 180                      | 34                       | -                        | -                        | 10                       | 3°                       |                          |                          |                          |                          |
| A20Q-SCLP <sup>β</sup> / <sub>L</sub> 09-25E |   | <input type="checkbox"/> | <input type="checkbox"/> | 25                       | 20                       | 19                       | 180                      | 37                       | -                        | -                        | 12.5                     | 0°                       |                          |                          |                          |                          |
| E10N-SCLP <sup>β</sup> / <sub>L</sub> 08-12  | SCLP <sup>β</sup> / <sub>L</sub> 1210B-08WH | <input type="checkbox"/> | <input type="checkbox"/> | 12                       | 10                       | 9                        | 160                      | 12                       | -                        | -                        | 6                        | 8°                       | 0.4                      | Fig.7                    | SB-3STR                  | FT-10                    |
| E12Q-SCLP <sup>β</sup> / <sub>L</sub> 09-16  |   | <input type="checkbox"/> | <input type="checkbox"/> | 16                       | 12                       | 11                       | 180                      | 15                       | -                        | -                        | 8                        | 5°                       |                          |                          |                          |                          |
| E16X-SCLP <sup>β</sup> / <sub>L</sub> 09-20  |   | <input type="checkbox"/> | <input type="checkbox"/> | 20                       | 16                       | 15                       | 220                      | 16                       | -                        | -                        | 10                       | 3°                       |                          |                          |                          |                          |
| E20S-SCLP <sup>β</sup> / <sub>L</sub> 09-25  |   | <input type="checkbox"/> | <input type="checkbox"/> | 25                       | 20                       | 19                       | 250                      | 17                       | -                        | -                        | 12.5                     | 0°                       |                          |                          |                          |                          |

For applicable sleeve / Joint, please see ● F77~F79

● Applicable Inserts

| Applications                              | Finishing  | Finishing-Medium | Medium     | Finishing-Medium | Low Carbon Steel / Finishing | Low Carbon Steel / Finishing-Medium | Cast Iron           | Non-ferrous Metals | Hard materials |  |
|---|------------|------------------|------------|------------------|------------------------------|-------------------------------------|---------------------|--------------------|----------------|--|
| Ref. Page                                 | B50        | B50              | B50        | B50              | B50                          | B50                                 | B50                 | C18                | C10            |  |
| Insert                                    |            |                  |            |                  |                              |                                     | Without Chipbreaker |                    |                |  |
| Toolholder                                |            |                  |            |                  |                              |                                     |                     |                    |                |  |
| ---SCLP <sup>β</sup> / <sub>L</sub> 08--- | CPMT0802.. | CPMH0802..       | CPMH0802.. | CPMH0802..       | CPMT0802..                   | -                                   | CPMB0802..          | CPMH0802..         | CPGB0802..     |  |
| ---SCLP <sup>β</sup> / <sub>L</sub> 09--- | CPMT0903.. | CPMH0903..       | CPMH0903.. | CPMH0903..       | CPMT0903..                   | CPMT0903..                          | CPMB0903..          | CPMH0903..         | CPGB0903..     |  |

For recommended cutting conditions, see page ● F82~F83

: Check Availability

