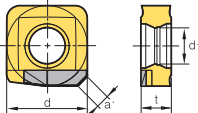
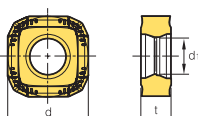
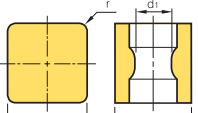
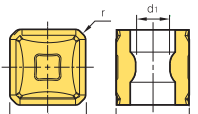
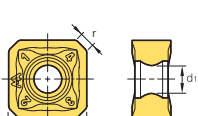
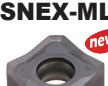
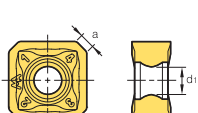
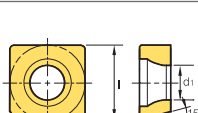
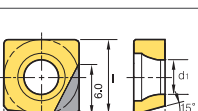
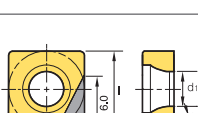


| Workpiece             | Steel                                | P | ● | ● | ● | ● | ● | ● | ● |   |  |  |  |  | ● | ⊕ |   |   |   |
|-----------------------|--------------------------------------|---|---|---|---|---|---|---|---|---|--|--|--|--|---|---|---|---|---|
|                       | Stainless steel                      | M |   |   |   |   |   |   |   |   |  |  |  |  | ⊕ | ⊕ | ⊕ | ⊕ |   |
|                       | Cast iron                            | K |   |   |   | ⊕ | ⊕ | ⊕ | ⊕ |   |  |  |  |  |   | ⊕ |   |   |   |
|                       | Non-ferrous metal                    | N |   |   |   |   |   |   |   |   |  |  |  |  |   |   |   | ● | ● |
|                       | Heat resistant alloy, Titanium alloy | S |   |   |   |   |   |   |   |   |  |  |  |  |   | ⊕ |   |   |   |
|                       | Hardened steel                       | H |   |   |   |   |   |   | ● | ⊕ |  |  |  |  |   | ⊕ | ⊕ |   |   |
|                       | Machining types                      |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |   |   |   |
| ● Continuous cutting  |                                      |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |   |   |   |
| ⊕ General cutting     |                                      |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |   |   |   |
| ⊕ Interrupted cutting |                                      |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |   |   |   |

| Inserts                                                                                                | Designation                        | Cermet         | Coated |        |        |        |        |        |        |        |        |        | Uncoated | PCD    | Dimensions (mm) |       |       |        |      |       | Geometries | Available tools |                                                                                       |                |
|--------------------------------------------------------------------------------------------------------|------------------------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|-----------------|-------|-------|--------|------|-------|------------|-----------------|---------------------------------------------------------------------------------------|----------------|
|                                                                                                        |                                    | CN2000<br>CN30 | NC5330 | NCM535 | NCM545 | PC2505 | PC2010 | PC3600 | PC3700 | PC6510 | PC9530 | PC9540 | PC5300   | PC5400 | H01             | DP150 | DP200 | l      | d    | t     |            |                 | r                                                                                     | d <sub>i</sub> |
| <br><b>SNEU-TBW</b>   | 1204-TBW                           |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       | -     | 12.7   | 4.76 | -     | 5.7        | (2.1)           |    | E397           |
|                                                                                                        |                                    |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       |       |        |      |       |            |                 |                                                                                       |                |
| <br><b>SNEU-WMF</b>   | 1204R-WMF                          |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       | -     | 12.7   | 4.76 | -     | 5.7        | -               |    | E397           |
|                                                                                                        |                                    |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       |       |        |      |       |            |                 |                                                                                       |                |
| <br><b>SNEX</b>       | 101010                             |                |        |        |        |        |        |        |        | ●      |        |        |          |        |                 |       | -     | 10     | 10   | 1.0   | 4.6        | -               |    | -              |
|                                                                                                        | 1010ZNN                            |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       | -     | 10     | 10   | (1.0) | 4.6        | -               |                                                                                       |                |
| <br><b>SNEX-CU1</b> | 101010-CU1                         |                |        |        |        |        |        |        |        | ●      |        |        |          |        |                 |       | -     | 10     | 10   | 1.0   | 4.6        | -               |  | -              |
|                                                                                                        | 1010ZNN-CU1                        |                |        |        |        |        |        |        |        | ●      |        |        |          |        |                 |       | -     | 10     | 10   | (1.0) | 4.6        | -               |                                                                                       |                |
|                                                                                                        | 121212-CU1                         |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       | -     | 12.7   | 12.7 | 1.2   | 5.6        | -               |                                                                                       |                |
|                                                                                                        | 1212ZNN-CU1                        |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       | -     | 12.7   | 12.7 | (1.2) | 5.6        | -               |                                                                                       |                |
|                                                                                                        |                                    |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       |       |        |      |       |            |                 |                                                                                       |                |
| <br><b>SNEX-MA</b>  | 1206ANN-MA                         |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | -     | 12.7   | 6.35 | -     | 4.5        | 2.36            |  | E115~          |
|                                                                                                        | 1206ENN-MA                         |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | -     | 12.7   | 6.35 | -     | 5.2        | 1.82            |                                                                                       | E124           |
|                                                                                                        | 1206QNN-MA                         |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | -     | 12.7   | 6.35 | -     | 5.2        | 1.39            |                                                                                       |                |
|                                                                                                        | 120612-MA                          |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | -     | 12.7   | 6.35 | 1.2   | 5.2        | -               |                                                                                       |                |
|                                                                                                        |                                    |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       |       |        |      |       |            |                 |                                                                                       |                |
| <br><b>SNEX-ML</b>  | 1206ANN-ML                         |                |        |        |        |        |        |        |        |        |        |        |          | ● ●    |                 |       | -     | 12.7   | 6.35 | -     | 4.5        | 2.36            |  | E115~          |
|                                                                                                        | 1206ENN-ML                         |                |        |        |        |        |        |        |        |        |        |        |          | ● ●    |                 |       | -     | 12.7   | 6.35 | -     | 4.5        | 1.82            |                                                                                       | E124           |
|                                                                                                        | 1206QNN-ML                         |                |        |        |        |        |        |        |        |        |        |        |          | ● ●    |                 |       | -     | 12.7   | 6.35 | -     | 4.5        | 1.39            |                                                                                       |                |
|                                                                                                        | 120612-ML                          |                |        |        |        |        |        |        |        |        |        |        |          | ● ●    |                 |       | -     | 12.7   | 6.35 | 1.2   | 4.5        | -               |                                                                                       |                |
|                                                                                                        | 1507ANN-ML                         |                |        |        |        |        |        |        |        |        |        |        |          | ● ●    |                 |       | -     | 15.875 | 7.94 | -     | 5.6        | 3.16            |                                                                                       |                |
|                                                                                                        | 1507ENN-ML                         |                |        |        |        |        |        |        |        |        |        |        |          | ● ●    |                 |       | -     | 15.875 | 7.94 | -     | 5.6        | 2.66            |                                                                                       |                |
|                                                                                                        |                                    |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       |       |        |      |       |            |                 |                                                                                       |                |
| <br><b>SNEW</b>     | 09T3ADFR                           |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | 9.525 | 9.525  | 3.97 | -     | 4.4        | -               |  | E139<br>E140   |
|                                                                                                        |                                    |                |        |        |        |        |        |        |        |        |        |        |          |        |                 |       |       |        |      |       |            |                 |                                                                                       |                |
| <br><b>SNEW-NAF</b> | 09T3ADTR-NAF                       |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | 9.525 | 9.525  | 3.97 | -     | 4.4        | -               |  | E139           |
|                                                                                                        | 09T3ADTR-AWAW<br>NAW: Wiper insert |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | 9.525 | 9.525  | 3.97 | -     | 4.4        | -               |                                                                                       | E140           |
| <br><b>SNEW-XAF</b> | 09T3ADTR-XAF                       |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | 9.525 | 9.525  | 3.97 | -     | 4.4        | -               |  | E139           |
|                                                                                                        | 09T3ADTR-AWAW<br>XAW: Wiper insert |                |        |        |        |        |        |        |        |        |        |        |          | ●      |                 |       | 9.525 | 9.525  | 3.97 | -     | 4.4        | -               |                                                                                       | E140           |

● : Stock item

