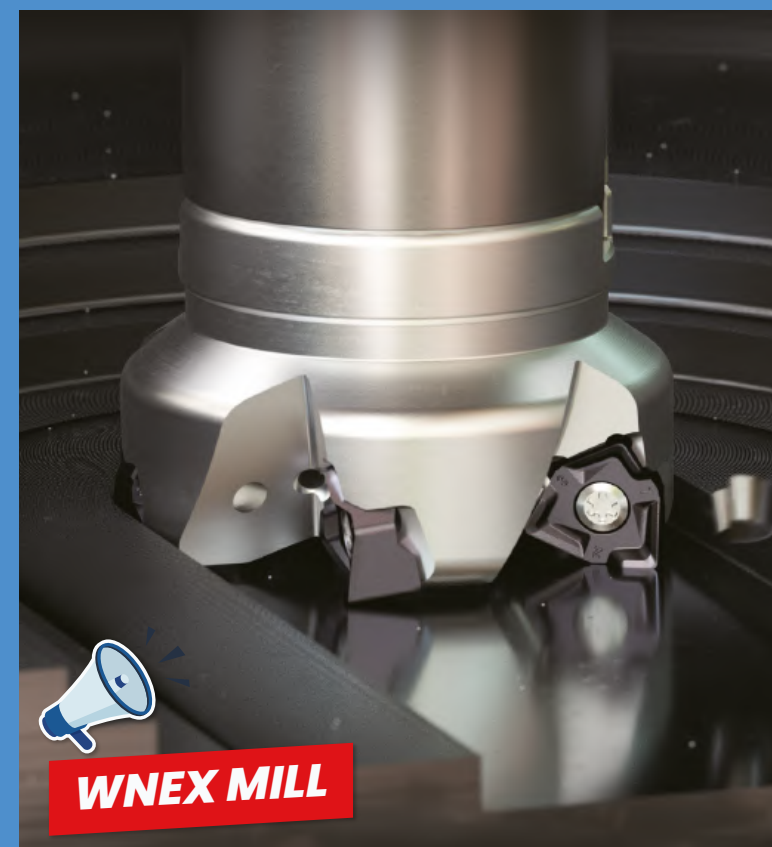


**YGI-0224**



**PELIZZARI  
FAUSTINO  
UTENSILI**

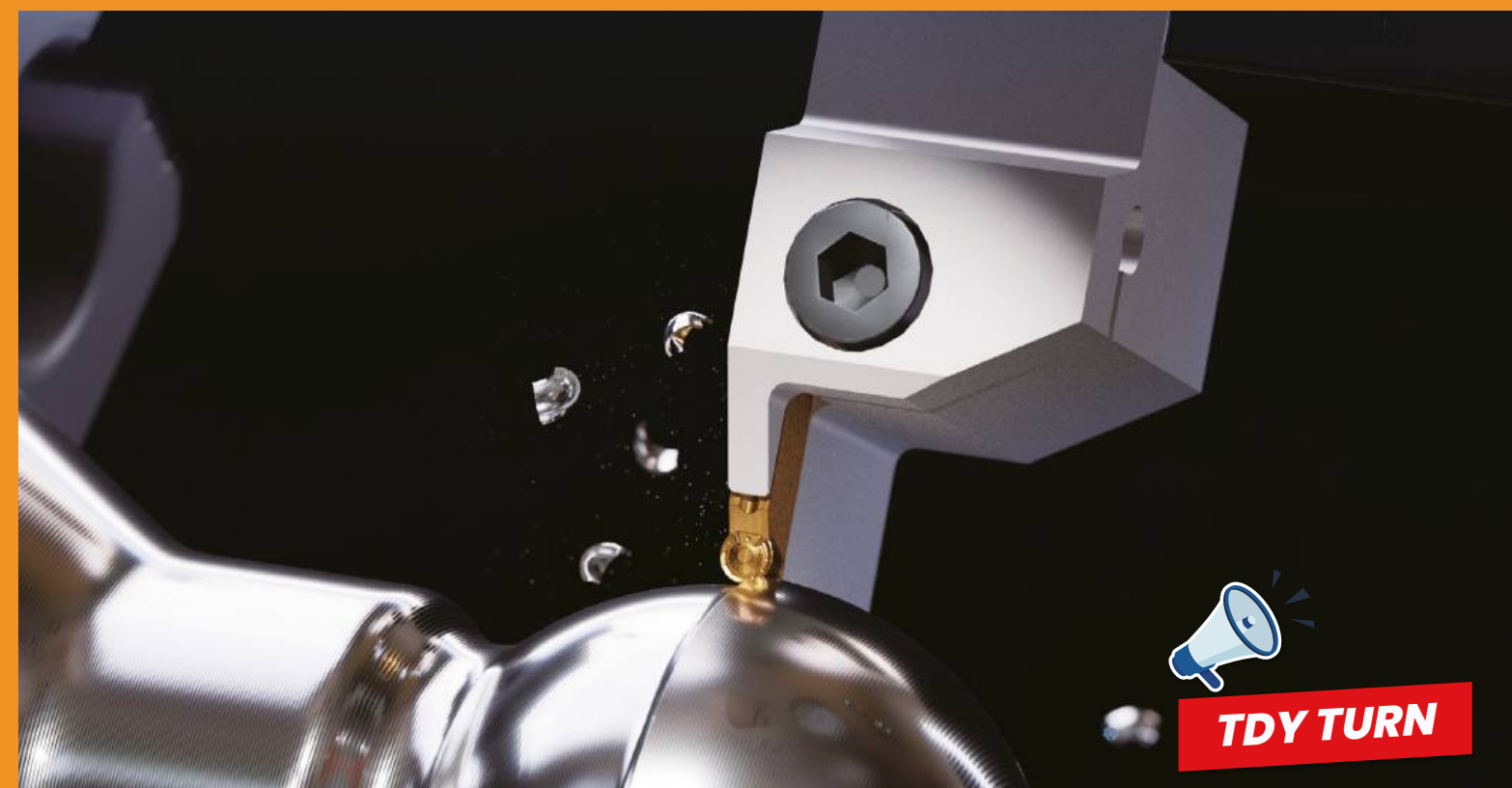
# **INTEGRAZIONE FISSAGGIO MECCANICO**



**WNEX MILL**



**SYMx DRILL**



**TDY TURN**

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## ESECUZIONE SPALLAMENTI 90°

### Nuova geometria WNEX

Inserto negativo robusto con micro geometria positivizzata

### Refrigerazione interna

Migliore evacuazione del truciolo

### Sede con 3 punti di contatto

Serraggio inserto stabile

### Nuove frese per spallamenti a 90°

Micro geometria altamente positiva per ridotte forze di taglio. Ampia gamma di qualità e geometrie che copre la maggior parte delle applicazioni. Per spianatura, scanalatura, fresatura laterale, lavorazione in rampa, lavorazione in rampa elicoidale.



### Rompi truciolo con spoglia positiva

Nervatura del truciolo ottimizzata e ridotta formazione di bave

### Tagliente elicoidale positivo

Taglio dolce e ridotte forze di taglio

### Inserto raschiante

Eccellente finitura superficiale

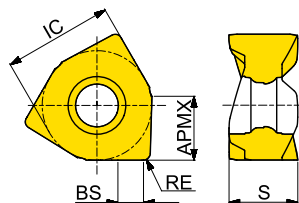
### Tagliente elicoidale

Minimizza la formazione dello scalino tra una passata e la successiva



# WNEX

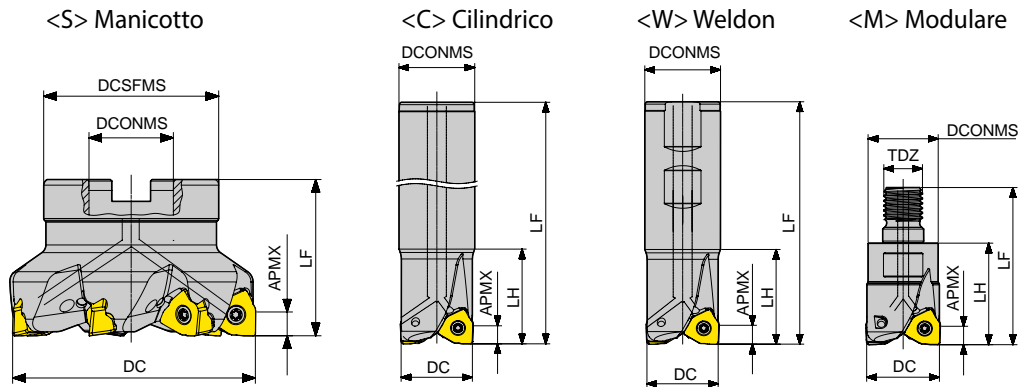
| Series    | IC   | S    |
|-----------|------|------|
| WNEX 0806 | 12.9 | 6.25 |



| Descrizione       | Grado  | RE (mm) | Fz (mm/dente) | BS (mm) | Codice   |
|-------------------|--------|---------|---------------|---------|----------|
| WNEX 080604R - GN | YG012  | 0.4     | 0.05 ~ 0.26   | 3.2     | 12000856 |
|                   | YG712  |         |               |         | 12000857 |
|                   | YG612  |         |               |         | 12000855 |
|                   | YG5020 |         |               |         | 12000858 |
| WNEX 080608R - GN | YG012  | 0.8     | 0.05 ~ 0.26   | 2.8     | 12000859 |
|                   | YG712  |         |               |         | 12000792 |
|                   | YG612  |         |               |         | 12000854 |
|                   | YG613  |         |               |         | 12000793 |
|                   | YG5020 |         |               |         | 12000794 |
|                   | YG501  |         |               |         | 12000795 |
| WNEX 080612R - GN | YG012  | 1.2     | 0.05 ~ 0.26   | 2.4     | 12000877 |
|                   | YG712  |         |               |         | 12000878 |
|                   | YG612  |         |               |         | 12000885 |
|                   | YG5020 |         |               |         | 12000879 |
| WNEX 080616R - GN | YG012  | 1.6     | 0.05 ~ 0.26   | 2.0     | 12000861 |
|                   | YG712  |         |               |         | 12000862 |
|                   | YG612  |         |               |         | 12000860 |
|                   | YG5020 |         |               |         | 12000863 |
| WNEX 080620R - GN | YG012  | 2.0     | 0.05 ~ 0.26   | 1.6     | 12000882 |
|                   | YG712  |         |               |         | 12000883 |
|                   | YG612  |         |               |         | 12000886 |
|                   | YG5020 |         |               |         | 12000884 |
| WNEX 080604R - ST | YG612  | 0.4     | 0.05 ~ 0.19   | 3.6     | 12000864 |
|                   | YG613  |         |               |         | 12000865 |
| WNEX 080608R - ST | YG612  | 0.8     | 0.05 ~ 0.19   | 3.3     | 12000866 |
|                   | YG613  |         |               |         | 12000867 |
| WNEX 080612R - ST | YG612  | 1.2     | 0.05 ~ 0.19   | 2.8     | 12000875 |
|                   | YG613  |         |               |         | 12000876 |
| WNEX 080616R - ST | YG612  | 1.6     | 0.05 ~ 0.19   | 2.4     | 12000868 |
|                   | YG613  |         |               |         | 12000869 |
| WNEX 080620R - ST | YG612  | 2.0     | 0.05 ~ 0.19   | 2.0     | 12000880 |
|                   | YG613  |         |               |         | 12000881 |

| Velocità di taglio |       |                                      | Vc (m/min.) |      |       |      |        |      |       |      |       |      |       |      |
|--------------------|-------|--------------------------------------|-------------|------|-------|------|--------|------|-------|------|-------|------|-------|------|
| ISO                | VDI   | Gruppo Materiali                     | YG613       |      | YG612 |      | YG5020 |      | YG712 |      | YG012 |      | YG501 |      |
|                    |       |                                      | Min.        | Max. | Min.  | Max. | Min.   | Max. | Min.  | Max. | Min.  | Max. | Min.  | Max. |
| P                  | 1~5   | Acciai non legati                    | 100         | 210  | 180   | 280  | -      | -    | 170   | 300  | 180   | 280  | -     | -    |
|                    | 6~9   | Acciai basso legati                  | 70          | 180  | 150   | 250  | -      | -    | 180   | 250  | 150   | 250  | -     | -    |
|                    | 10~11 | Acciai alto legati                   | 40          | 90   | 70    | 140  | -      | -    | 100   | 140  | 80    | 150  | -     | -    |
| M                  | 12~13 | Acciai Inox Ferritici e martensitici | 70          | 180  | 120   | 200  | -      | -    | -     | -    | -     | -    | -     | -    |
|                    | 14    | Acciai Inox Austenitici              | 70          | 200  | 130   | 250  | -      | -    | -     | -    | -     | -    | -     | -    |
| K                  | 15~16 | Ghisa grigia                         | -           | -    | -     | -    | 200    | 350  | -     | -    | -     | -    | 160   | 300  |
|                    | 17~18 | Ghisa nodulare                       | -           | -    | -     | -    | 150    | 300  | -     | -    | -     | -    | 130   | 210  |
| N                  | 21~30 | Alluminio                            | -           | -    | -     | -    | -      | -    | -     | -    | -     | -    | -     |      |
| S                  | 31~37 | Leghe resistenti al calore           | -           | -    | 25    | 45   | -      | -    | -     | -    | -     | -    | -     |      |
| H                  | 38~41 | Acciai temprati                      | -           | -    | -     | -    | -      | -    | -     | -    | 70    | 120  | -     |      |

# WNEX



ZEFP: Numero di taglienti effettivi periferici (ZEFP)  
 CBDP: Profondità del foro di centraggio della connessione

Unità: mm

| Series       | APMX | Descrizione                     | Codice   | DC  | ZEFP | LF  | Tipo  | DCON / TDZ | LH | CBDP  | DCSFMS |    |   |
|--------------|------|---------------------------------|----------|-----|------|-----|-------|------------|----|-------|--------|----|---|
| WNEX<br>0806 | 7.0  | E90 - WN08 - D32Z2W32 - L120    | 17000969 | 32  | 2    | 120 | W     | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D40Z3W32 - L120    | 17000972 | 40  | 3    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D40Z4W32 - L120    | 17000973 | 40  | 4    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D50Z4W32 - L120    | 17000974 | 50  | 4    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D50Z5W32 - L120    | 17000990 | 50  | 5    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D32Z2C32 - L120    | 17000991 | 32  | 2    | 120 | C     | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D32Z2C32 - L200    | 17000872 | 32  | 2    | 200 |       | 32         | 60 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D33Z2C32 - L200    | 17000873 | 33  | 2    | 200 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D40Z3C32 - L120    | 17000994 | 40  | 3    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D40Z3C32 - L200    | 17000874 | 40  | 3    | 200 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D40Z4C32 - L120    | 17000996 | 40  | 4    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D50Z4C32 - L120    | 17000997 | 50  | 4    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | E90 - WN08 - D50Z5C32 - L120    | 17000998 | 50  | 5    | 120 |       | 32         | 40 | -     | -      | ●  |   |
|              |      | F90 - WN08 - D50Z4S22           | 17000875 | 50  | 4    | 40  |       | S          | 22 | -     | 20     | 44 | ● |
|              |      | F90 - WN08 - D50Z5S22           | 17000976 | 50  | 5    | 40  |       |            | 22 | -     | 20     | 44 | ● |
|              |      | F90 - WN08 - D63Z5S22           | 17000876 | 63  | 5    | 40  | 22    |            | -  | 20    | 48     | ●  |   |
|              |      | F90 - WN08 - D63Z6S22           | 17000977 | 63  | 6    | 40  | 22    |            | -  | 20    | 48     | ●  |   |
|              |      | F90 - WN08 - D80Z4S27           | 17000999 | 80  | 4    | 50  | 27    |            | -  | 20    | 56     | ●  |   |
|              |      | F90 - WN08 - D80Z6S25.4         | 17001000 | 80  | 6    | 50  | 25.4  |            | -  | 26.64 | 56     | ●  |   |
|              |      | F90 - WN08 - D80Z7S27           | 17000878 | 80  | 7    | 50  | 27    |            | -  | 23    | 56     | ●  |   |
|              |      | F90 - WN08 - D80Z7S25.4         | 17000877 | 80  | 7    | 50  | 25.4  |            | -  | 26.64 | 56     | ●  |   |
|              |      | F90 - WN08 - D80Z9S27           | 17000978 | 80  | 9    | 50  | 27    |            | -  | 23    | 56     | ●  |   |
|              |      | F90 - WN08 - D100Z8S31.75 - WOC | 17001002 | 100 | 8    | 50  | 31.75 |            | -  | 32    | 67     | X  |   |
|              |      | F90 - WN08 - D100Z9S32          | 17000979 | 100 | 9    | 50  | 32    |            | -  | 26    | 67     | ●  |   |
|              |      | F90 - WN08 - D100Z11S32         | 17000980 | 100 | 11   | 50  | 32    |            | -  | 26    | 67     | ●  |   |
|              |      | F90 - WN08 - D125Z10S38.1 - WOC | 17001003 | 125 | 10   | 63  | 38.1  |            | -  | 38    | 85     | X  |   |
|              |      | F90 - WN08 - D125Z11S40         | 17000981 | 125 | 11   | 63  | 40    |            | -  | 29    | 85     | ●  |   |
|              |      | F90 - WN08 - D125Z14S40         | 17000982 | 125 | 14   | 63  | 40    |            | -  | 29    | 85     | ●  |   |
|              |      | M90 - WN08 - D32Z2M16           | 17001004 | 32  | 2    | 65  | M     | M16        | 42 | -     | 29     | ●  |   |
|              |      | M90 - WN08 - D40Z3M16           | 17001005 | 40  | 3    | 65  |       | M16        | 42 | -     | 29     | ●  |   |
|              |      | M90 - WN08 - D40Z4M16           | 17000984 | 40  | 4    | 65  |       | M16        | 42 | -     | 29     | ●  |   |

\* Coppie di serraggio (Nm) 3.0Nm

### ● Ricambi

| Corpo    | Vite inserto | Chiave   |
|----------|--------------|----------|
| WNEX0806 | 18000251     | 18000217 |

# SYMX - Punte ad elevata produttività

## Acciaio ad elevata durezza:

Migliora la vita utensile



## Canali di refrigerazione elicoidali:

- Vani elica ampi per migliorare l'evacuazione
- Nucleo di grandi dimensioni per una maggiore rigidità del corpo punta



Canali elicoidali



Tipo generico

## Sede utensile:

Realizzazione accurata della sede inserto per un serraggio stabile e una maggiore forza di bloccaggio

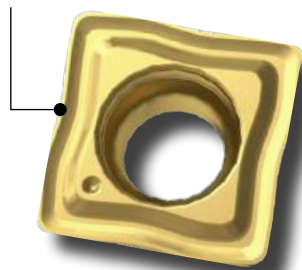
## \* X-Drill

### Trattamento superficiale:

Il trattamento superficiale dedicato riduce gli attriti e migliora il deflusso del truciolo attraverso il vano elica

### Geometria ondulata:

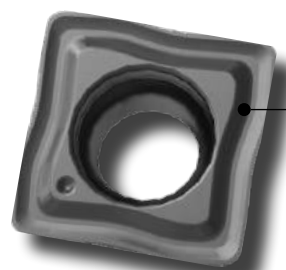
Quattro taglienti utili con geometria ondulata per un migliore centraggio



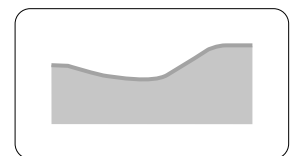
YG713

### Rompitruciolo ottimizzato:

Rompi truciolo ottimizzato per una efficace evacuazione



YG613

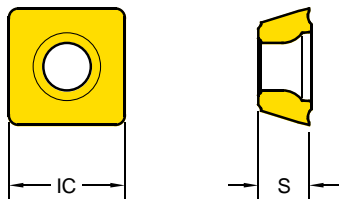


## \* SYMX

### Stesso inserto periferico e centrale

Riduzione dei costi di gestione

## SYMX



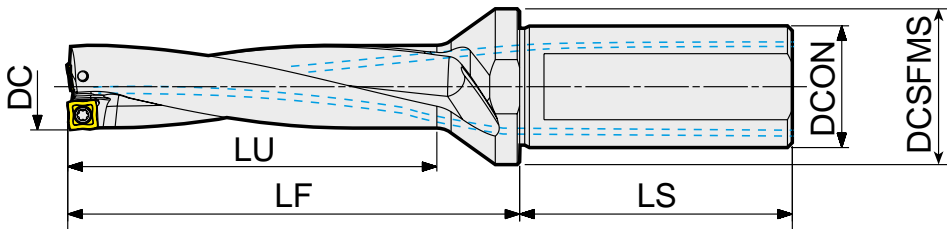
| Series      | IC   | S    |
|-------------|------|------|
| SPMX 050204 | 4.97 | 2.35 |
| SPMX 060204 | 5.99 | 2.35 |
| SPMX 07T308 | 7.01 | 2.80 |
| SPMX 090408 | 8.30 | 3.20 |

| Descrizione | Grado | Fn (mm/giro) | Codice   |
|-------------|-------|--------------|----------|
| SYMX 050204 | YG713 | 0.06 ~ 0.12  | 32000097 |
|             | YG613 |              | 32000098 |
| SYMX 060204 | YG713 | 0.06 ~ 0.12  | 32000093 |
|             | YG613 |              | 32000095 |
| SYMX 07T206 | YG713 | 0.06 ~ 0.12  | 32000099 |
|             | YG613 |              | 32000100 |
| SYMX 080306 | YG713 | 0.08 ~ 0.20  | 32000101 |
|             | YG613 |              | 32000102 |

| Velocità di taglio |       |                                      | Vc (m/min.) |     |       |     |
|--------------------|-------|--------------------------------------|-------------|-----|-------|-----|
| ISO                | VDI   | Gruppo Materiali                     | YG713       |     | YG613 |     |
|                    |       |                                      | Min         | Max | Min   | Max |
| P                  | 1~5   | Acciai non legati                    | 200         | 300 | 100   | 210 |
|                    | 6~9   | Acciai basso legati                  | 170         | 270 | 70    | 180 |
|                    | 10~11 | Acciai alto legati                   | 85          | 145 | 40    | 90  |
| M                  | 12~13 | Acciai Inox Ferritici e martensitici | -           | -   | 70    | 180 |
|                    | 14    | Acciai Inox Austenitici              | -           | -   | 70    | 200 |
| K                  | 15~16 | Ghisa grigia                         | -           | -   | -     | -   |
|                    | 17~18 | Ghisa nodulare                       | -           | -   | -     | -   |

# SYMX

● Ricambi



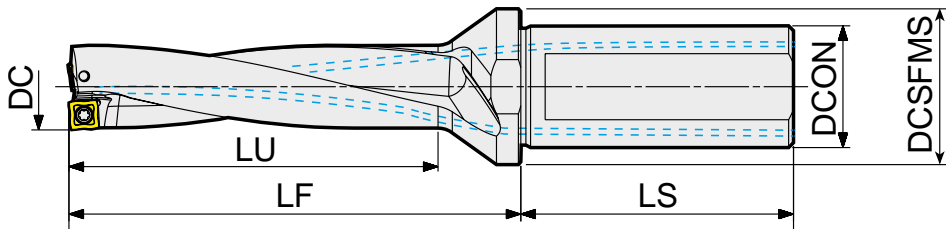
| SYMX | Vite     | Chiave   |
|------|----------|----------|
| 05.. | 18000252 | 18000262 |
| 06.. | 18000253 | 18000001 |

Unità:mm

| Series                 | DC  | LU                  | Descrizione         | CODICE   | LF    | OAL   | DCON | DCSFMS | LS |
|------------------------|-----|---------------------|---------------------|----------|-------|-------|------|--------|----|
| <b>SYMX<br/>050204</b> | 14  | 28                  | YGSY2 - 140S20 - 05 | 37001019 | 46    | 96.0  | 20   | 25     | 50 |
|                        |     | 42                  | YGSY3 - 140S20 - 05 | 37001031 | 60    | 110.0 |      |        |    |
|                        |     | 56                  | YGSY4 - 140S20 - 05 | 37001043 | 74    | 124.0 |      |        |    |
|                        |     | 70                  | YGSY5 - 140S20 - 05 | 37001055 | 88    | 141.5 |      |        |    |
|                        | 15  | 30                  | YGSY2 - 150S20 - 05 | 37001020 | 49    | 99.0  |      |        |    |
|                        |     | 45                  | YGSY3 - 150S20 - 05 | 37001032 | 64    | 114.0 |      |        |    |
|                        |     | 60                  | YGSY4 - 150S20 - 05 | 37001044 | 79    | 129.0 |      |        |    |
|                        |     | 75                  | YGSY5 - 150S20 - 05 | 37001056 | 94    | 146.5 |      |        |    |
|                        | 16  | 32                  | YGSY2 - 160S25 - 05 | 37001021 | 52    | 102.0 |      |        |    |
|                        |     | 48                  | YGSY3 - 160S20 - 05 | 37001033 | 68    | 118.0 |      |        |    |
|                        |     | 64                  | YGSY4 - 160S20 - 05 | 37001045 | 84    | 134.0 |      |        |    |
|                        |     | 80                  | YGSY5 - 160S20 - 05 | 37001057 | 100   | 151.5 |      |        |    |
| <b>SYMX<br/>060204</b> | 17  | 34                  | YGSY2 - 170S25 - 06 | 37000851 | 54    | 110.0 | 25   | 32     | 56 |
|                        |     | 51                  | YGSY3 - 170S25 - 06 | 37000855 | 71    | 127.0 |      |        |    |
|                        |     | 68                  | YGSY4 - 170S25 - 06 | 37000859 | 88    | 144.0 |      |        |    |
|                        |     | 85                  | YGSY5 - 170S25 - 06 | 37000863 | 105   | 161.0 |      |        |    |
|                        | 18  | 36                  | YGSY2 - 180S25 - 06 | 37000852 | 57    | 113.0 |      |        |    |
|                        |     | 54                  | YGSY3 - 180S25 - 06 | 37000856 | 75    | 131.0 |      |        |    |
|                        |     | 72                  | YGSY4 - 180S25 - 06 | 37000860 | 93    | 149.0 |      |        |    |
|                        |     | 90                  | YGSY5 - 180S25 - 06 | 37000864 | 111   | 167.0 |      |        |    |
|                        | 19  | 38                  | YGSY2 - 190S25 - 06 | 37000853 | 59    | 115.0 |      |        |    |
|                        |     | 57                  | YGSY3 - 190S25 - 06 | 37000857 | 78    | 134.0 |      |        |    |
|                        |     | 76                  | YGSY4 - 190S25 - 06 | 37000861 | 97    | 153.0 |      |        |    |
|                        |     | 95                  | YGSY5 - 190S25 - 06 | 37000865 | 116   | 172.0 |      |        |    |
| 20                     | 40  | YGSY2 - 200S25 - 06 | 37000854            | 63       | 119.0 |       |      |        |    |
|                        | 60  | YGSY3 - 200S25 - 06 | 37000858            | 83       | 139.0 |       |      |        |    |
|                        | 80  | YGSY4 - 200S25 - 06 | 37000862            | 103      | 159.0 |       |      |        |    |
|                        | 100 | YGSY5 - 200S25 - 06 | 37000866            | 123      | 179.0 |       |      |        |    |

# SYMX

● Ricambi



| SYMX | Vite     | Chiave   |
|------|----------|----------|
| 07.. | 18000253 | 18000001 |
| 08.. | 18000261 | 18000001 |

Unità: mm

| Series                 | DC  | LU                  | Descrizione         | CODICE   | LF    | OAL   | DCON | DCSFMS | LS |
|------------------------|-----|---------------------|---------------------|----------|-------|-------|------|--------|----|
| <b>SYMX<br/>07T206</b> | 21  | 42                  | YGSY2 - 210S25 - 07 | 37001022 | 65    | 121.0 | 25   | 32     | 56 |
|                        |     | 63                  | YGSY3 - 210S25 - 07 | 37001034 | 86    | 142.0 |      |        |    |
|                        |     | 84                  | YGSY4 - 210S25 - 07 | 37001046 | 107   | 163.0 |      |        |    |
|                        |     | 105                 | YGSY5 - 210S25 - 07 | 37001058 | 128   | 184.0 |      |        |    |
|                        | 22  | 44                  | YGSY2 - 220S25 - 07 | 37001023 | 67    | 123.0 |      |        |    |
|                        |     | 66                  | YGSY3 - 220S25 - 07 | 37001035 | 89    | 145.0 |      |        |    |
|                        |     | 88                  | YGSY4 - 220S25 - 07 | 37001047 | 111   | 167.0 |      |        |    |
|                        |     | 110                 | YGSY5 - 220S25 - 07 | 37001059 | 133   | 189.0 |      |        |    |
|                        | 23  | 46                  | YGSY2 - 230S25 - 07 | 37001024 | 68    | 124.0 |      |        |    |
|                        |     | 69                  | YGSY3 - 230S25 - 07 | 37001036 | 91    | 147.0 |      |        |    |
|                        |     | 92                  | YGSY4 - 230S25 - 07 | 37001048 | 114   | 170.0 |      |        |    |
|                        |     | 115                 | YGSY5 - 230S25 - 07 | 37001060 | 137   | 193.0 |      |        |    |
| <b>SYMX<br/>080306</b> | 24  | 48                  | YGSY2 - 240S32 - 08 | 37001025 | 70    | 130.0 | 32   | 45     | 60 |
|                        |     | 72                  | YGSY3 - 240S32 - 08 | 37001037 | 94    | 154.0 |      |        |    |
|                        |     | 96                  | YGSY4 - 240S32 - 08 | 37001049 | 118   | 178.0 |      |        |    |
|                        |     | 120                 | YGSY5 - 240S32 - 08 | 37001061 | 142   | 202.0 |      |        |    |
|                        | 25  | 50                  | YGSY2 - 250S32 - 08 | 37001026 | 72    | 132.0 |      |        |    |
|                        |     | 75                  | YGSY3 - 250S32 - 08 | 37001038 | 97    | 157.0 |      |        |    |
|                        |     | 100                 | YGSY4 - 250S32 - 08 | 37001050 | 122   | 182.0 |      |        |    |
|                        |     | 125                 | YGSY5 - 250S32 - 08 | 37001062 | 147   | 207.0 |      |        |    |
|                        | 26  | 52                  | YGSY2 - 260S32 - 08 | 37001027 | 73    | 133.0 |      |        |    |
|                        |     | 78                  | YGSY3 - 260S32 - 08 | 37001039 | 99    | 159.0 |      |        |    |
|                        |     | 104                 | YGSY4 - 260S32 - 08 | 37001051 | 125   | 185.0 |      |        |    |
|                        |     | 130                 | YGSY5 - 260S32 - 08 | 37001063 | 151   | 211.0 |      |        |    |
|                        | 27  | 54                  | YGSY2 - 270S32 - 08 | 37001028 | 77    | 137.0 |      |        |    |
|                        |     | 81                  | YGSY3 - 270S32 - 08 | 37001040 | 104   | 164.0 |      |        |    |
|                        |     | 108                 | YGSY4 - 270S32 - 08 | 37001052 | 131   | 191.0 |      |        |    |
|                        |     | 135                 | YGSY5 - 270S32 - 08 | 37001064 | 158   | 218.0 |      |        |    |
| 28                     | 56  | YGSY2 - 280S32 - 08 | 37001029            | 79       | 139.0 |       |      |        |    |
|                        | 84  | YGSY3 - 280S32 - 08 | 37001041            | 107      | 167.0 |       |      |        |    |
|                        | 112 | YGSY4 - 280S32 - 08 | 37001053            | 135      | 195.0 |       |      |        |    |
|                        | 140 | YGSY5 - 280S32 - 08 | 37001065            | 163      | 223.0 |       |      |        |    |



# *Utensili per scanalatura frontale*



**GL**



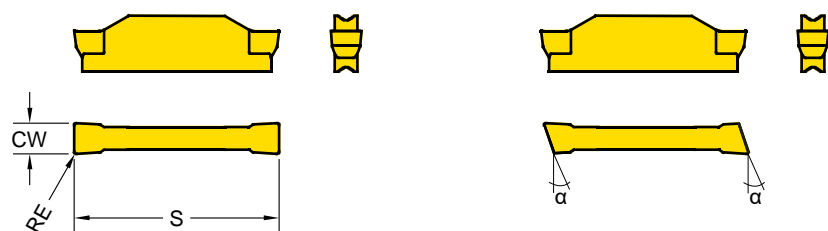
**GM**



**RG**



## Inserti di troncatura

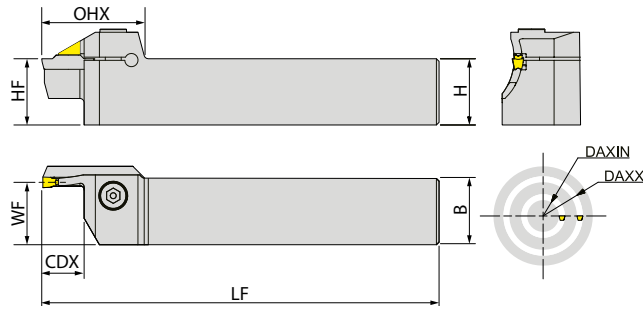


| Series | S  | CW |
|--------|----|----|
| TDY2   | 20 | 2  |
| TDY3   | 20 | 3  |
| TDY4   | 20 | 4  |
| TDY5   | 25 | 5  |

CDX: Max profondità di taglio

| Descrizione | Grado           | RE  | Troncatura               |          | Tornitura                |                     | $\alpha$<br>inclinazione | Codice               |
|-------------|-----------------|-----|--------------------------|----------|--------------------------|---------------------|--------------------------|----------------------|
|             |                 |     | F <sub>n</sub> (mm/giro) | CDX (mm) | F <sub>n</sub> (mm/giro) | A <sub>p</sub> (mm) |                          |                      |
| TDY3E       | YG602G          | 0.4 | 0.06 ~ 0.24              | 10       | 0.12 ~ 0.22              | 0.5 ~ 2.4           | -                        | 52000027             |
| TDY4E       | YG602G          | 0.4 | 0.08 ~ 0.27              | 10       | 0.15 ~ 0.30              | 0.5 ~ 2.8           | -                        | 52000020             |
| TDY5E       | YG602G          | 0.4 | 0.08 ~ 0.23              | 10       | 0.15 ~ 0.30              | 0.5 ~ 3.2           | -                        | 52000082             |
| TDY2E - GL  | YG602G<br>YG603 | 0.3 | 0.04 ~ 0.20              | 10       | 0.06 ~ 0.18              | 0.4 ~ 1.5           | -                        | 52000123<br>52000124 |
| TDY3E - GL  | YG602G<br>YG603 | 0.3 | 0.05 ~ 0.23              | 10       | 0.08 ~ 0.20              | 0.4 ~ 2.0           | -                        | 52000125<br>52000126 |
| TDY4E - GL  | YG602G<br>YG603 | 0.4 | 0.06 ~ 0.26              | 10       | 0.10 ~ 0.25              | 0.5 ~ 2.3           | -                        | 52000112<br>52000127 |
| TDY3E - GM  | YG602G<br>YG603 | 0.4 | 0.06 ~ 0.24              | 10       | 0.12 ~ 0.22              | 0.5 ~ 2.4           | -                        | 52000118<br>52000119 |
| TDY4E - GM  | YG602G<br>YG603 | 0.4 | 0.08 ~ 0.27              | 10       | 0.15 ~ 0.30              | 0.5 ~ 2.8           | -                        | 52000113<br>52000120 |
| TDY4E - GM  | YG602G<br>YG603 | 0.8 | 0.10 ~ 0.27              | 10       | 0.18 ~ 0.32              | 0.8 ~ 2.8           | -                        | 52000114<br>52000122 |
| TDY2E - RG  | YG602G<br>YG603 | 1.0 | 0.05 ~ 0.15              | 10       | 0.10 ~ 0.30              | 0.1 ~ 0.8           | -                        | 52000111<br>52000115 |
| TDY3E - RG  | YG602G<br>YG603 | 1.5 | 0.08 ~ 0.18              | 10       | 0.15 ~ 0.35              | 0.1 ~ 1.2           | -                        | 52000108<br>52000116 |
| TDY4E - RG  | YG602G<br>YG603 | 2.0 | 0.10 ~ 0.20              | 10       | 0.18 ~ 0.45              | 0.1 ~ 1.6           | -                        | 52000109<br>52000117 |

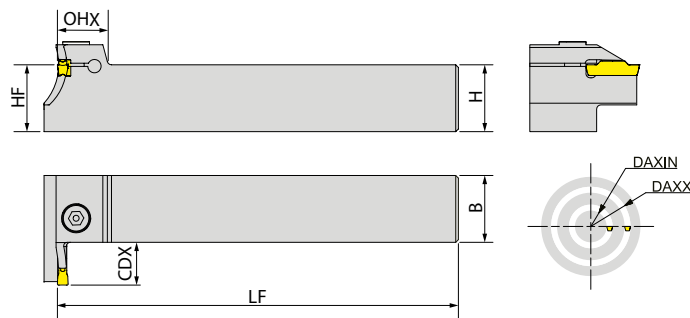
## Steli per scanalature esterne frontali



Unità: mm

| Descrizione            | CODICE   | CW | DMIN | DMAX | CDX | H = HF | B  | LF  | WF   | Inserto |
|------------------------|----------|----|------|------|-----|--------|----|-----|------|---------|
| YTFR 25M-D034050-3T10A | 57000599 | 3  | 34   | 50   | 10  | 25     | 25 | 150 | 24   | TD.3..  |
| YTFR 25M-D044060-3T15A | 57000600 | 3  | 44   | 60   | 15  | 25     | 25 | 150 | 24   |         |
| YTFR 25M-D054085-3T15A | 57000601 | 3  | 54   | 85   | 15  | 25     | 25 | 150 | 24   |         |
| YTFR 25M-D034050-4T15A | 57000602 | 4  | 34   | 50   | 15  | 25     | 25 | 150 | 23.6 | TD.4..  |
| YTFR 25M-D042060-4T15A | 57000603 | 4  | 42   | 60   | 15  | 25     | 25 | 150 | 23.6 |         |
| YTFR 25M-D052072-4T20A | 57000604 | 4  | 52   | 72   | 20  | 25     | 25 | 150 | 23.6 |         |
| YTFR 25M-D064120-4T20A | 57000605 | 4  | 64   | 120  | 20  | 25     | 25 | 150 | 23.6 |         |
| YTFR 25M-D112200-4T20A | 57000606 | 4  | 112  | 200  | 20  | 25     | 25 | 150 | 23.6 |         |
| YTFR 25M-D200-4T20A    | 57000607 | 4  | 200  | -    | 20  | 25     | 25 | 150 | 23.6 |         |

## Steli per scanalature esterne frontali a 90°



Unità: mm

| Descrizione                | CODICE   | CW | DAXIN | DAXX | CDX | H (= HF) | B  | LF  | Inserto |
|----------------------------|----------|----|-------|------|-----|----------|----|-----|---------|
| YTFPR25M - D034050 - 3T12A | 57000608 | 3  | 34    | 50   | 12  | 25       | 25 | 150 | TD.3..  |
| YTFPR25M - D044060 - 3T15A | 57000609 | 3  | 44    | 60   | 15  | 25       | 25 | 150 |         |
| YTFPR25M - D054085 - 3T15A | 57000610 | 3  | 54    | 85   | 15  | 25       | 25 | 150 |         |
| YTFPR25M - D034050 - 4T15A | 57000611 | 4  | 34    | 50   | 15  | 25       | 25 | 150 | TD.4..  |
| YTFPR25M - D042060 - 4T15A | 57000612 | 4  | 42    | 60   | 15  | 25       | 25 | 150 |         |
| YTFPR25M - D052072 - 4T20A | 57000613 | 4  | 52    | 72   | 20  | 25       | 25 | 150 |         |
| YTFPR25M - D064120 - 4T20A | 57000614 | 4  | 64    | 120  | 20  | 25       | 25 | 150 |         |
| YTFPR25M - D112200 - 4T20A | 57000615 | 4  | 112   | 200  | 20  | 25       | 25 | 150 |         |



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