



# TILTENTA 11.

## Arbeitsbereich [working range]

|                                    | TILTENTA 11-2600 | TILTENTA 11-3600 | TILTENTA 11-4600 | TILTENTA 11-6200 |
|------------------------------------|------------------|------------------|------------------|------------------|
| X-Achse [X-axis] V/H               | 2600/2030 mm     | 3600/3030 mm     | 4600/4030 mm     | 6200/5360 mm     |
| Y-Achse [Y-axis]                   | 1100 mm          |                  |                  |                  |
| Z-Achse [Z-axis] V/H               | 900/1005 mm      |                  |                  |                  |
| Pendelbetrieb [pendulum operation] | –                | –                | 2025 x 2025 mm   | 2825 x 2825 mm   |

## Hauptspindel [main spindle]

|                                                                   | Fräsen   Bohren   Gewinden [milling   drilling   thread cutting] (E335/St60-2) |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------|
| SK40 / BT40   14.000 min <sup>-1</sup>   117 Nm   22 kW           | 400 cm <sup>3</sup> /min   Ø 40 mm   M 24                                      |
| SK40 / BT40   14.000 min <sup>-1</sup>   185 Nm   37 kW           | 550 cm <sup>3</sup> /min   Ø 45 mm   M 27                                      |
| SK40 / BT40 / HSK A63   18.000 min <sup>-1</sup>   136 Nm   35 kW | 450 cm <sup>3</sup> /min   Ø 40 mm   M 24                                      |
| HSK A63   15.000 min <sup>-1</sup>   217 Nm   50 kW               | 600 cm <sup>3</sup> /min   Ø 50 mm   M 27                                      |

## Schwenkspindel [swivelling spindle]

|                                           |                          |
|-------------------------------------------|--------------------------|
| Spindeldrehpunkt [centre of rotation]     | 285 mm                   |
| Schwenkbereich [swivel range]             | -5° – +98° / -98° – +98° |
| Schwenkgenauigkeit [swivel accuracy]      | < ± 5"                   |
| Drehmoment schwenken [torque, swivelling] | 2000 Nm                  |
| Drehmoment geklemmt [torque, clamped]     | 2500 Nm                  |

## Integrierter Rundtisch [integrated rotary table]

|                                                          |                           |
|----------------------------------------------------------|---------------------------|
| Planscheibe [faceplate]                                  | Ø 1140 mm                 |
| Störkreisdurchmesser [diameter of interf. circle]        | 1450 mm                   |
| Drehzahl [rotational speed]                              | 8 min <sup>-1</sup>       |
| T-Nuten   Anzahl   Abstand [T-slots   number   distance] | 18 mm   9   125 mm        |
| Teilgenauigkeit [indexing accuracy]                      | < ± 5"                    |
| Planlaufgenauigkeit [axial runout accuracy]              | < 0,015 mm                |
| Drehmoment [torque]                                      | 4200 Nm                   |
| Haltemoment [holding torque]                             | 12000 Nm                  |
| Werkstückgewicht [workpiece weight] max.                 | 1800 / 2200 kg (optional) |

## Arbeitstisch [worktable]

|                                                          |                    |                |                |                |
|----------------------------------------------------------|--------------------|----------------|----------------|----------------|
| Spindelabstand [spindle distance]                        | 20-920 mm          |                |                |                |
| Aufspannfläche gesamt [clamping area]                    | 3080 x 1100 mm     | 4080 x 1100 mm | 5080 x 1100 mm | 6680 x 1100 mm |
| T-Nuten   Anzahl   Abstand [T-slots   number   distance] | 18 mm   9   125 mm |                |                |                |
| Tischbelastung [table load]                              | 4000 kg            | 5000 kg        | 6000 kg        | 7000 kg        |

## Vorschübe [feed rates]

|                                         |                |
|-----------------------------------------|----------------|
| Stufenlos [infinitely variable] X, Y, Z | 40/40/40 m/min |
| Vorschubkraft [power feed] max.         | 27000 N        |
| 3D-FORMINGSTAR®-Paket [package]         | optional       |

## Werkzeugmagazin [tool magazine]

|                                                            |                            |
|------------------------------------------------------------|----------------------------|
| Theoretische Werkzeugkapazität [theoretical tool capacity] | 65 / 135 / 180 / 245 / 329 |
| Werkzeugdurchmesser [tool diameter] max.                   | 75 / 100 / 125* mm         |
| Werkzeuglänge [tool length] max.                           | 330 / 390 mm               |
| Werkzeuggewicht [tool weight]                              | 5 kg**                     |
| Span-zu-Span-Zeit [chip-to-chip time]                      | ca. 13 s***                |

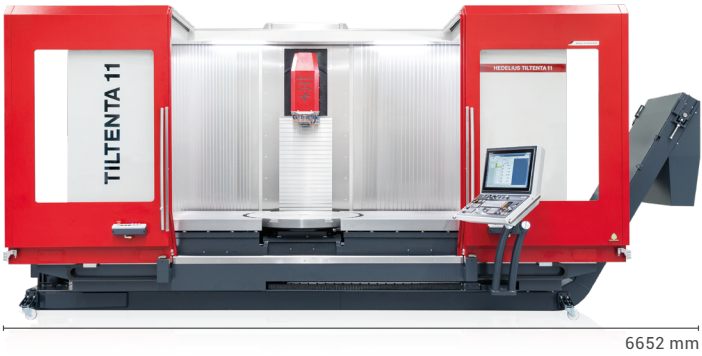
## Genauigkeit [accuracy] (ISO 230-2) X, Y, Z

|                                               |                |
|-----------------------------------------------|----------------|
| Positioniergenauigkeit [positioning accuracy] | A=6 µm/1000 mm |
|-----------------------------------------------|----------------|

## Transport [transport]

|                                                    |                           |          |          |          |
|----------------------------------------------------|---------------------------|----------|----------|----------|
| Gewicht Standard [weight standard]                 | 20500 kg                  | 24500 kg | 28500 kg | 32500 kg |
| Liefer-/Transporthöhe [delivery/transport height]  | 3100 mm                   |          |          |          |
| Liefer-/Transportbreite [delivery/transport width] | 3650 / 3520 mm (optional) |          |          |          |

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