



## Product information:

# ARES

## BRIDGE TYPE

## SPECIFICATIONS

|                                                        | ARES                                                                        |
|--------------------------------------------------------|-----------------------------------------------------------------------------|
| Moving cross beam, displacement - mm                   | 900                                                                         |
| Table length - mm                                      | 4.000 - 5.000 - 6.000                                                       |
| Table width - mm                                       | 2.000 (2.500)*                                                              |
| Distance between columns - mm                          | 2.500 (3.000)* - ARES<br>2.750 (3.250)* - ARES W                            |
| Longitudinal travel - mm                               | 4.000 - 5.000 - 6.000                                                       |
| Cross travel - mm                                      | 3.350 (3.850)*                                                              |
| Vertical travel - mm                                   | 1.200 (1.500)*                                                              |
| Max. distance from table to spindle nose - mm          | 1.440 (1.740 - 2.040)* (high torque)<br>1.240 (1.540 - 1.840)* (high speed) |
| Rapid feed - mm/min                                    | up to 35.000 (high torque) / 40.000 (high speed)                            |
| Working Feed - mm/min                                  | up to 30.000 (high torque) / 35.000 (high speed)                            |
| Drives:                                                |                                                                             |
| . Longitudinal axis                                    | Rack and double motor and pinion                                            |
| . Cross axis                                           | ball screw                                                                  |
| . Vertical axis                                        | ball screw                                                                  |
| Power - kW                                             | 30 (43)* (high torque) / 33 (high speed)                                    |
| Speed of the spindle head - min-1                      | 6.000 (high torque) / 18.000 (high speed)                                   |
| Accuracies acc. to ISO 230-2: 2006 Annex B Step cycle: |                                                                             |
| . Positioning accuracy - mm                            | 0,008/4000                                                                  |
| . Repeatability accuracy - mm                          | 0,005/4000                                                                  |
| Tool magazine                                          | 30 (40-60-80)*                                                              |
| Allowed weight on the table - kg                       | 20.000                                                                      |

(Optional) \*

## ACCESSORIES

|                                    | ARES |
|------------------------------------|------|
| HEADS                              |      |
| HEADS (High torque):               |      |
| 45° head 360,000 positions, 0.001° | •    |
| 45° head continuous rotation       | ○    |

|                                                 | ARES |
|-------------------------------------------------|------|
| 30° head, positioning / continuous rotation     | ○    |
| Direct Outlet head                              | ○    |
| HEADS (High speed):                             |      |
| 30° head with electrospindle, 360.000 positions | •    |
| 40° head with electrospindle, 42 kW, 15000 rpm  | ○    |
| Chip Conveyor                                   | •    |
| Coolant tank 22 + 5 bar                         | •    |
| Automatic change of heads                       | ○    |
| Protections: enclosure open on top              | •    |
| Protections: enclosure with roof                | ○    |

• Standard    ○ Optional    — No available

## PRODUCT IMAGES



movement of  
cross beam

## HEAD IMAGES



30° automatic head  
360.000 pos. 0,001°



Direct Outlet head



30° head with  
electrospindle



45° automatic head  
360.000 positions, 0,001°



40° head with  
electrospindle, 42 kW,  
15000 rpm

## RELATED APPLICATIONS

Más información en [www.zayer.com](http://www.zayer.com)