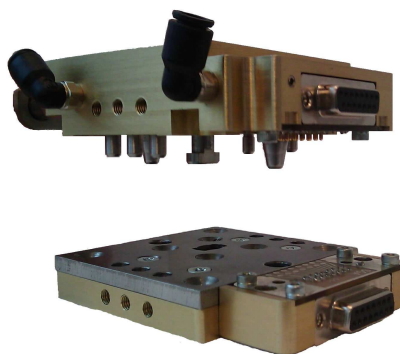




Patented technology

You are presented with a complete range of tool changer for robots which aim at shortening the slack periods on assembly lines.

The period of time for tool changer on chain can be reduced from a few hours to few seconds.

Your robot can therefore perform several tasks thanks to a mere change of tools.



### Advantages

- Simple and tough locking system.
- The tools can be stored vertically or horizontally.
- Outdoor-pollution resistant system.
- High clamping potential.
- Irreversible locking in case of energy drop.
- Large choice of compatible energies.



### Technical data

| Technical data \ Items        |     | GCR 5  | GCR 30 | GCR 100 | GCR 250 | GCR 500 | GCR 1000 |
|-------------------------------|-----|--------|--------|---------|---------|---------|----------|
| Transportable mass            | kg  | 5      | 30     | 100     | 250     | 500     | 1000     |
| Energy                        |     | M      | P      | P       | P - E   | P       | P        |
| Force in locked position      | daN | 60     | 350    | 1000    | 2000    | 4000    | 8500     |
| Max bending moment            | Nm  | 70     | 150    | 250     | 1500    | 3000    | 6500     |
| Max torsion moment            | Nm  | 70     | 150    | 250     | 1500    | 3000    | 6500     |
| Repeatability                 | mm  | ± 0,02 | ± 0,02 | ± 0,02  | ± 0,02  | ± 0,02  | ± 0,02   |
| Total weight (robot + tool)   | kg  | 0,170  | 1,3    | 4       | 10,5    | 25      | 65       |
| Clamping to the tool capacity | mm  | 0.7    | 2      | 3       | 4       | 5       | 8        |



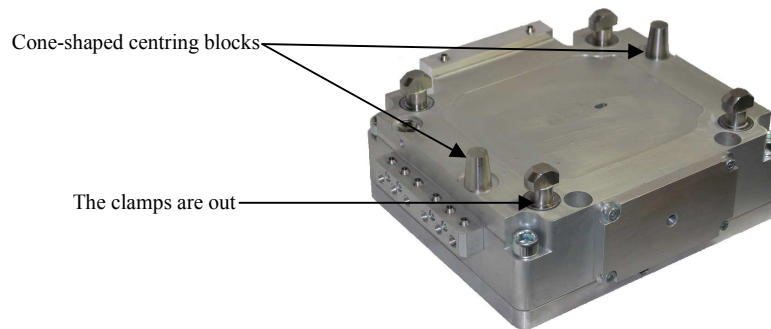
### Construction of the reference

| GCR                                                                                       | 25                                   | M                                           | R                               | P                                                                                                                                           | L 15                                                                               |
|-------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Model                                                                                     | Size                                 | Energy                                      | Interface                       | Pneumatic connection                                                                                                                        | Electric connection                                                                |
| <br>GCR | 5<br>30<br>100<br>250<br>500<br>1000 | M - Manual<br>P - Pneumatic<br>E - Electric | R : Robot side<br>T : Tool side | Pneumatic<br>P1 : pneumatics passages M5<br>P2 : pneumatics passages G1/8<br>P3 : pneumatics passages G1/4<br>P4 : pneumatics passages G3/8 | Electric<br>L 1 : pins, 3A/50VDC<br>L 2 : pins, 5A/250VDC<br>L 3 : pins, 13A/700DC |

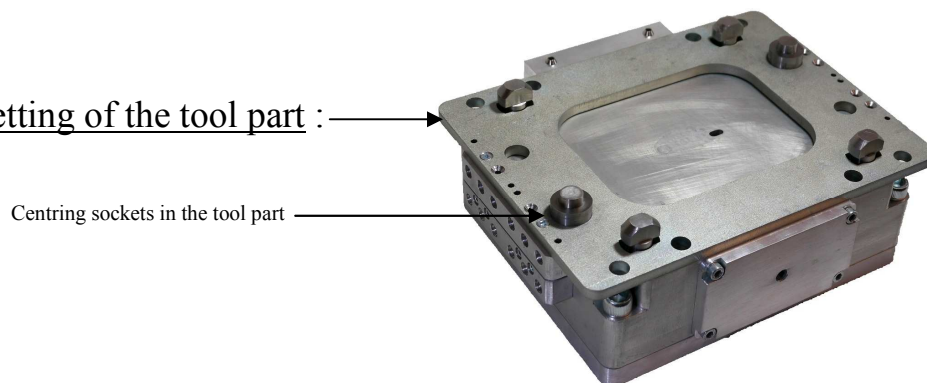
Other sizes, contact us



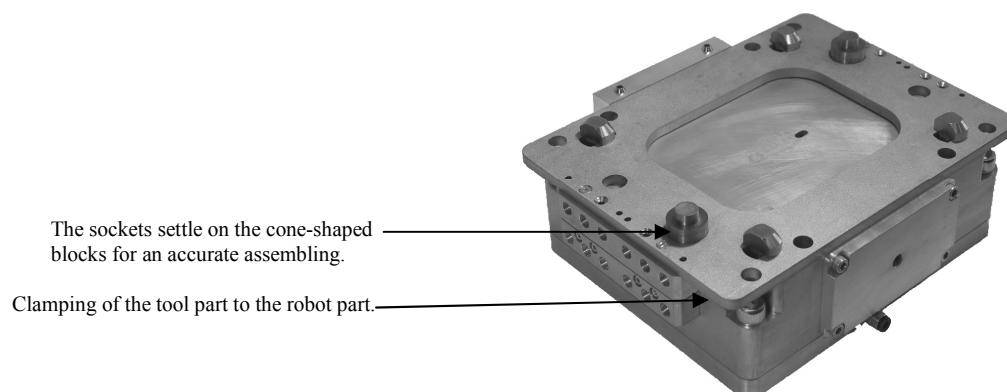
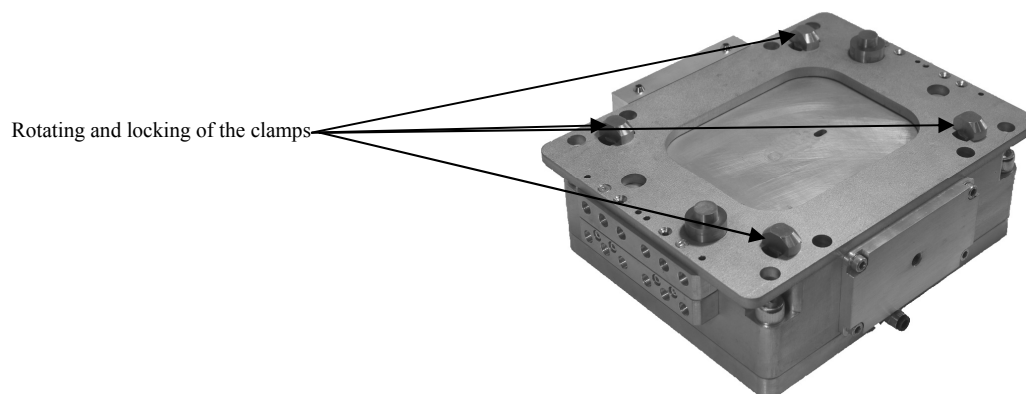
Robot part :



Setting of the tool part :



Clamping :





### GCR 1000

Files 2D and 3D downloadable on [www.sga-automation.com](http://www.sga-automation.com)

| GCR                                                                                             | 1000        | P                    | R                                       | P2 06                                                                                                                                  | L1 15                                                                                                                          |
|-------------------------------------------------------------------------------------------------|-------------|----------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Model                                                                                           | Size        | Energy               | Interface                               | Pneumatic connection                                                                                                                   | Electric connection                                                                                                            |
| <br><b>GCR</b> | <b>1000</b> | <b>P - Pneumatic</b> | <b>R : Robot side<br/>T : Tool side</b> | <b>Pneumatic</b><br><b>P2 06 : 6 pneu passages G1/8</b><br><b>P3 06 : 6 pneu passages G1/4</b><br><b>P4 06 : 6 pneu passages G 3/8</b> | <b>Electric</b><br><b>L1 15 : 15 pins, 3A/50VDC</b><br><b>L2 10 : 10 pins , 5A/250VDC</b><br><b>L3 08 : 8 pins, 13A/700VDC</b> |

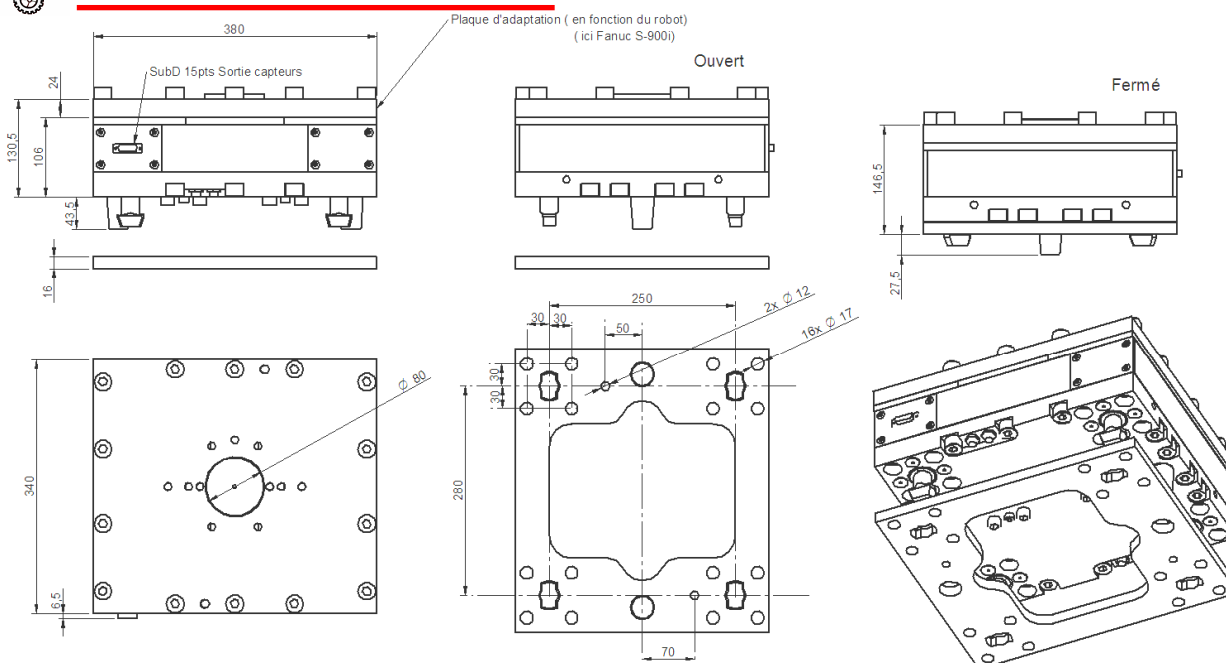


### Technical data

| Technical Data                | GCR 1000         |
|-------------------------------|------------------|
| Transportable mass            | kg <b>500</b>    |
| Energy                        | <b>P</b>         |
| Force in locked position      | daN <b>8500</b>  |
| Max bending moment            | Nm <b>6500</b>   |
| Max torsion moment            | Nm <b>6500</b>   |
| Repeatability                 | mm <b>± 0,02</b> |
| Total weight (robot + tool)   | kg <b>65</b>     |
| Clamping to the tool capacity | mm <b>8</b>      |



### External dimensions GCR 1000 P2 06



\* Dimensions are supplied for information only, they can be subjected to variations for technical improvements. We reserved us the right of bringing changes without previous notice.