

Dynafix

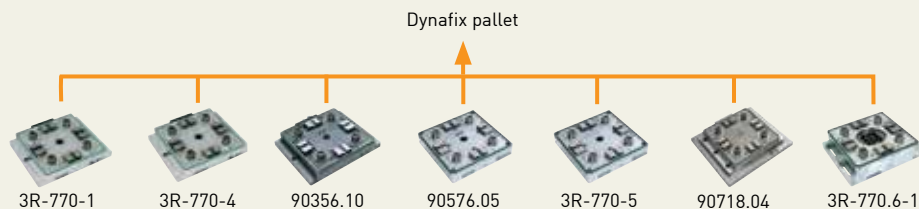
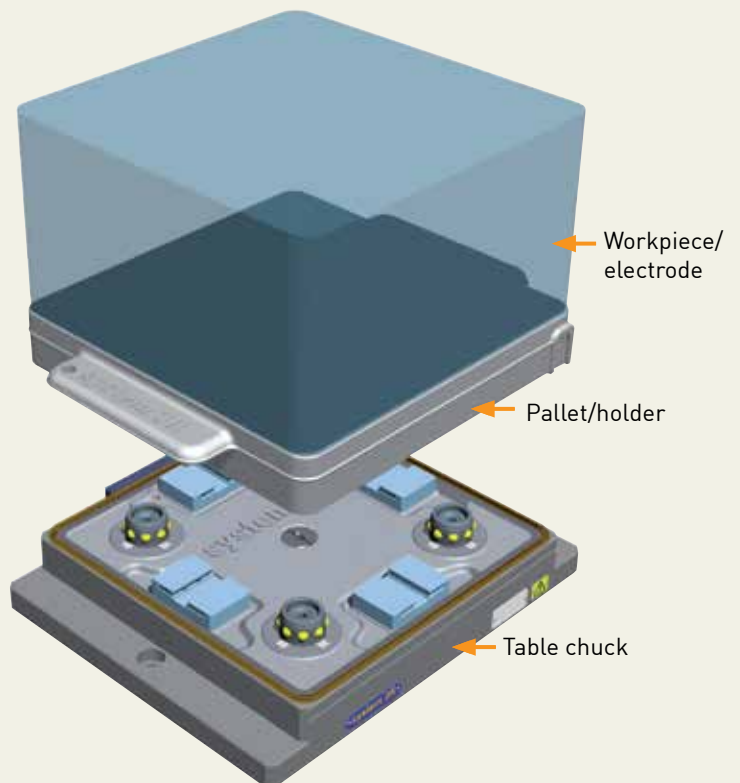
- ... allows machining with optimal cutting data
- ... reduces setting-up times
- ... ensures precision and quality
- ... gives access to System 3R's entire product range
- ... is suitable for automatic changing with System 3R's automation program.

Dynafix permits machining with optimal cutting data, without sacrificing accuracy and quality. The easy-to-handle aluminium pallets have reference elements of high-alloy steel with directly measurable Z-references.

Locking mechanism with built-in soft-landing function protects the references and simplifies handling in applications involving heavy workpieces. In addition, automatic air-blast cleaning of the Z-references and peripheral sealing make Dynafix a practical and user-friendly reference system which minimises setting-up times, increases machine capacity and provides a basis for automated production.

Dynafix as the basic means of fixing to the machine table gives unsurpassed flexibility in terms of workpiece size. Using chuck adapters provides access to practically every reference system in System 3R's extensive product range. Rapid, precise pallet changing in sizes from Ø25 mm to 400 x 400 mm in the same basic mounting – manually or automatically.

- + Repetition accuracy – within 0.002 mm
- + Locking force – 60 000 N
- + Fixed index positions – 4x90°
- + Required air pressure, pneumatic chuck – 6±1 bar.



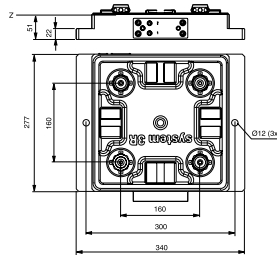
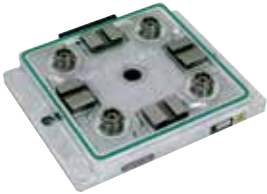
Chucks	Article number	Feature
Pneumatic	3R-770-1	
Pneumatic	3R-770-4	alignment reference
Pneumatic	90356.10	for chuck adapters, with mounting flange
Pneumatic	90576.05	for chuck adapters, without mounting flange
Pneumatic	3R-770-5	for five-axis machines
Pneumatic	90718.04	vibration-damped
Pneumatic	3R-770.6-1	built-in pneumatic Macro chuck

Dynfix – Chucks

Pneumatic chuck, 3R-770-1

Pneumatic table chuck.

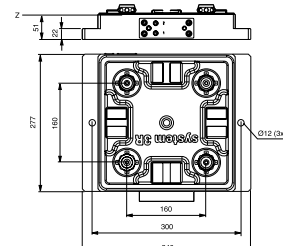
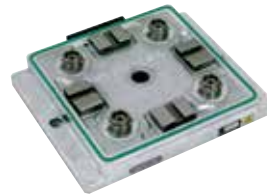
- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Recommended actuator 3R-611.4 or 3R-611.2.
- Air-blast cleaning of the Z-references
- Weight 24.5 kg.



Pneumatic chuck, 3R-770-4

Pneumatic table chuck with ground-in reference for alignment.

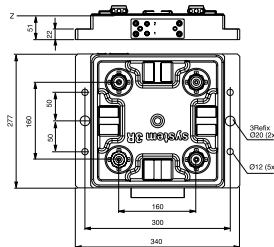
- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Recommended actuator 3R-611.4 or 3R-611.2
- Air-blast cleaning of the Z-references
- Weight 24.5 kg.



Pneumatic chuck, 3R-770.19-1

Pneumatic table chuck with 3Refix-holes.

- 3Refix $\varnothing 20$ mm
- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Recommended actuator 3R-611.4 or 3R-611.2
- Air-blast cleaning of the Z-references
- Weight 24.5 kg.



Pneumatic chuck

Pneumatic chucks with extra connections for automatic chuck adapters.

Note: Requires two control units.

- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Air-blast cleaning of the Z-references.

90356.10

With fixing lugs.

- Weight 24.5 kg.

90576.05

Without fixing lugs.

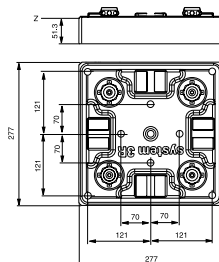
- Weight 23.5 kg.



Pneumatic chuck, 3R-770-5

Pneumatic table chuck for applications in five-axis machines. Air connection from below.

- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Air-blast cleaning of the Z-references
- Weight 23.5 kg.



Pneumatic chuck, VDP, 90718.04

Pneumatic vibration-damped chuck.

- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Air-blast cleaning of the Z-references.



Dynfix – Chucks



Pneumatic chuck, D-20130

Pneumatic chuck with through holes $\varnothing 110$ mm.

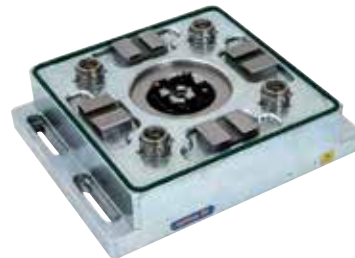
- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Air-blast cleaning of the Z-references
- Weight 22 kg.



Pneumatic chuck, 3R-770.46-1

Pneumatic chuck with integrated MacroCombi chuck. For CMM machines.

- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Air-blast cleaning of the Z-references
- Weight 32 kg.



Pneumatic chuck, 3R-770.6-1

Pneumatic chuck with integrated Macro chuck. For CMM machines.

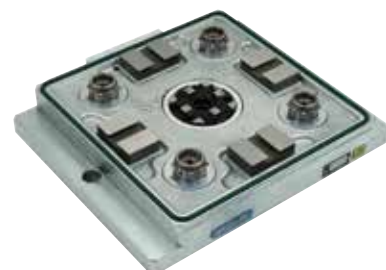
- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Air-blast cleaning of the Z-references
- Weight 32 kg.



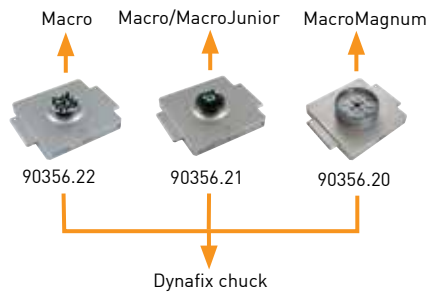
Pneumatic chuck, D-20129

Pneumatic chuck with manual Macro Std chuck in the center.

- Required air pressure 6 ± 1 bar
- Fixed index positions $4 \times 90^\circ$
- Air-blast cleaning of the Z-references
- Weight 24.5 kg.



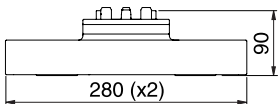
Dynfix – Chuck adapters



Chuck adapters	Article number	Feature
Pneumatic	90356.22	Dynafix ► Macro
Pneumatic	90356.21	Dynafix ► MacroCombi
Pneumatic	90356.20	Dynafix ► MacroMagnum

Pneumatic chuck adapter, Dynafix-Macro, 90356.22

Chuck adapter with built-in pneumatic Macro chuck for mounting in 90356.10 or 90576.05.



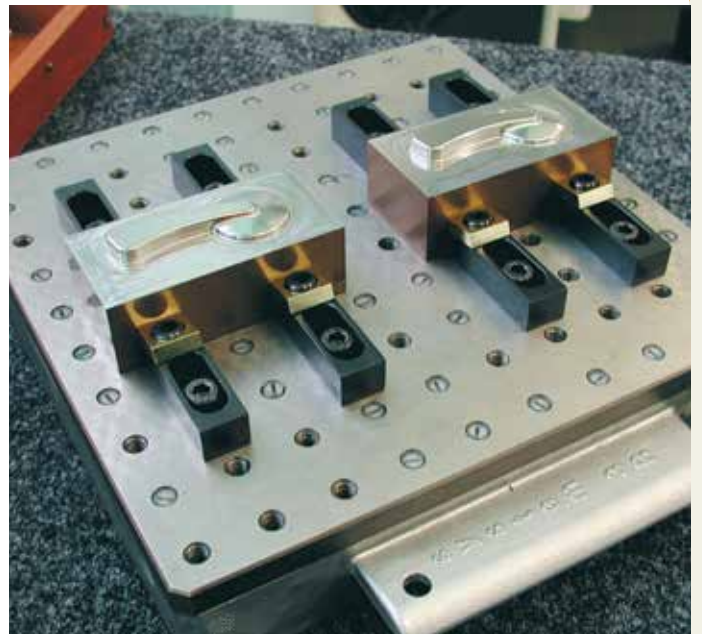
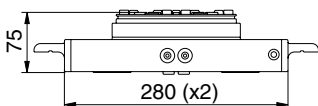
Pneumatic chuck adapter, Dynafix-MacroCombi, 90356.21

Chuck adapter with built-in pneumatic MacroCombi chuck for mounting in 90356.10 or 90576.05.

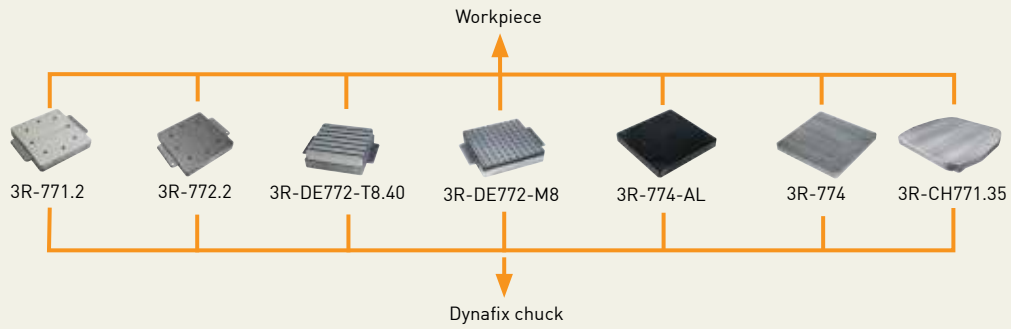


Pneumatic chuck adapter, Dynafix-MacroMagnum, 90356.20

Chuck adapter with built-in pneumatic MacroMagnum chuck for mounting in 90356.10 or 90576.05.



Dynfix – Pallets



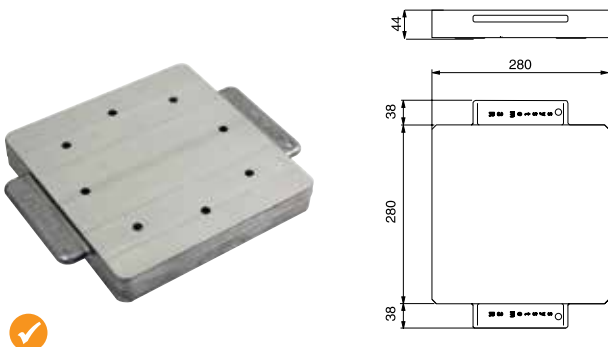
Pallets 280x280 mm	Article number	Feature
Aluminium	3R-771.2	
Aluminium	3R-772.2	ground
Aluminium	3R-DE772-T8.40	T-slots
Aluminium	3R-DE772-M8	M8 threads.
Aluminium	3R-CH771.35	

Pallets 400x400 mm	Article number	Feature
Aluminium	3R-774-AL	
Steel	3R-774	

Pallet 280x280 mm, 3R-771.2

Milled aluminium pallet.

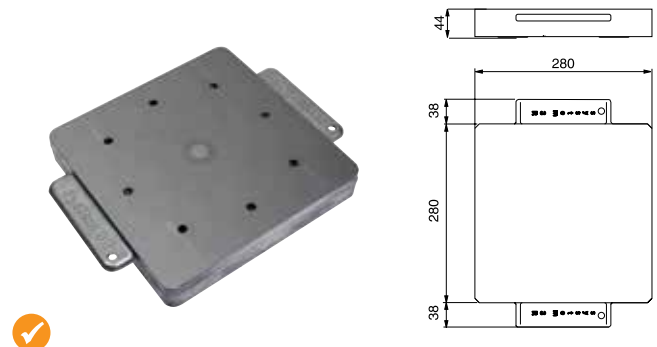
- Adapted for automatic changing
- Ready for code carrier
- Flatness 0.04 mm
- Thickness tolerance +0.5/-0 mm
- Weight 6 kg.



Pallet 280x280 mm, 3R-772.2

Ground aluminium pallet.

- Adapted for automatic changing
- Ready for code carrier
- Flatness 0.005 mm
- Thickness tolerance -0,1 / -0.14 mm
- Weight 6 kg.

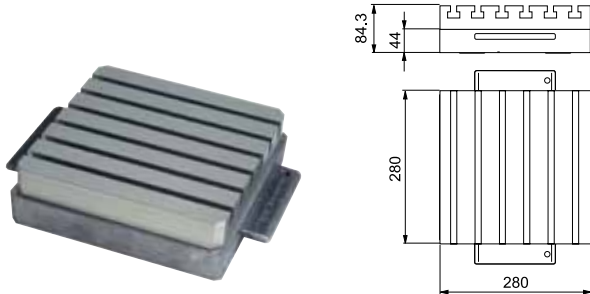


Dynafix – Pallets & Accessories

Pallet 280x280 mm, 3R-DE772-T8.40

Anodized aluminium pallet with six T-slots for M8 on 40 mm centres.

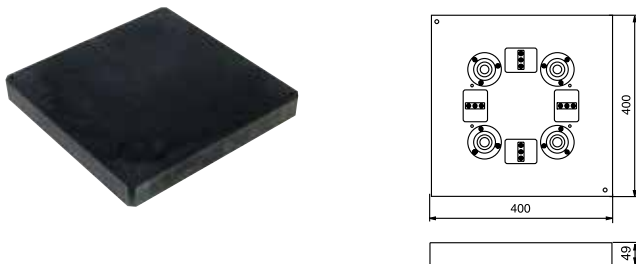
- Adapted for automatic changing
- Ready for code carrier
- Weight 14 kg.



Pallet 400x400 mm, 3R-774-AL

Aluminium pallet.

- Ready for code carrier
- Weight 20 kg.



Reference elements, 3R-771.7

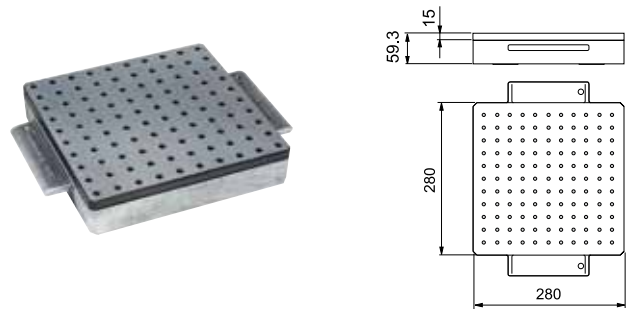
Reference kit for users who want to make their own pallets or fixtures.



Pallet 280x280 mm, 3R-DE772-M8.28

Hardened steel pallet with 139 M8 threads on 20 mm centres.

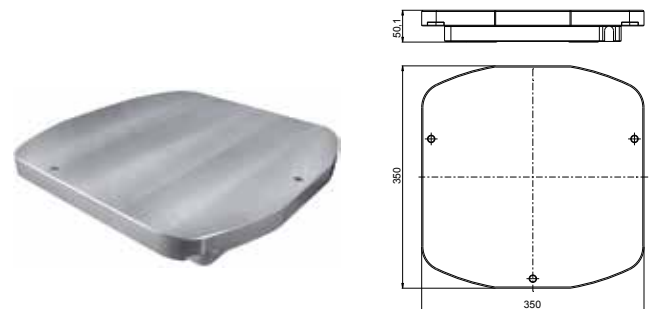
- Adapted for automatic changing
- Ready for code carrier
- Weight 14.5 kg.



Pallet 350x350 mm, 3R-CH771.35

Aluminium pallet.

- Adapted for automatic changing.
- Ready for code carrier
- Weight 12.1 kg.



Master pallet, 3R-776.1-2

For alignment of the Dynafix references. With ground reference rulers, hole and surface.

- Adapted for automatic changing
- Ready for code carrier
- Weight 8 kg.

