

RFM

Resources For Manufacturing, Inc.

**MINI COMPONENTS
FOR FIXTURING
SMALL PARTS**

**THE
NEXT**

**BIG THING
FROM
RAYCO**



magnet

for holding steel
or iron parts



R4-6-M

PART #	THREAD	DIA	HT
R4-6-M	M4	6mm	25mm
R4-13-M	M4	13mm	25mm
R20-25-M	1/4	.25"	1.0"

pin magnet

for holding &
locating steel
or iron parts



R4-6-PM

PART #	THREAD	DIA	HT	PIN (DIA X HT)
R4-6-PM	M4	6mm	25mm	1.5 x 3.18mm
R20-25-M	1/4	.25"	1.0"	.06 x .125"

tension spring

for quick
and easy
clamping



R4-MTS-25

PART #	THREAD	L	W	POST (L)
R4-MTS-25	M4	25mm	6.4mm	25mm
R4-MTS-50	M4	25mm	6.4mm	50mm
R4-ST5-25	M4	41mm	8mm	25mm
R4-ST5-50	M4	41mm	8mm	50mm
R20-MTS-1	1/4	1.0"	.25"	1.0"
R20-MTS-150	1/4	1.0"	.25"	1.50"

pusher clamp

to push a part
against stops



R4-PC

PART #	THREAD	L	W
R4-PC	M4	38mm	19mm
R20-PC	1/4	1.5"	.75"

Included:
(1) point tip
(1) V tip
(1) L tip

suction cup

to hold plastic,
styrofoam,
glass, etc.

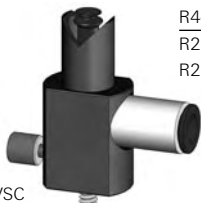


R4-5-MSC

PART #	THREAD	DIA	HT
R4-5-MSC	M4	19mm	35mm
R4-10-MSC	M4	19mm	40mm
R20-5-SC	1/4	.75"	1.38"
R20-10-SC	1/4	.75"	1.58"

v suction cup

to hold
cylindrical
tubes & shafts



R4-5-MVSC

PART #	THREAD	DIA	HT	ANGLE
R4-5-MVSC	M4	19mm	37mm	90°
R4-10-MVSC	M4	19mm	45mm	90°
R20-5-VSC	1/4	.75"	1.45"	90°
R20-10-VSC	1/4	.75"	1.77"	90°

standoff

to elevate and locate a part



R4-910-SO



R4-95-SO*

* = does not have a threaded top

R4 standoffs are made of aluminum.

R20 standoffs are made of steel.

PART #	THREAD	DIA	HT
R4-65-SO *	M4	6mm	5mm
R4-610-SO *	M4	6mm	10mm
R4-620-SO *	M4	6mm	20mm
R4-625-SO *	M4	6mm	25mm
R4-95-SO *	M4	9mm	5mm
R4-910-SO	M4	9mm	10mm
R4-920-SO	M4	9mm	20mm
R4-925-SO	M4	9mm	25mm
R4-125-SO *	M4	12mm	5mm
R4-1210-SO	M4	12mm	10mm
R4-1220-SO	M4	12mm	20mm
R4-1225-SO	M4	12mm	25mm
R20-2525-SO *	1/4	.25"	.25"
R20-2550-SO *	1/4	.25"	.50"
R20-251-SO *	1/4	.25"	1.0"
R20-37525-SO *	1/4	.375"	.25"
R20-37550-SO	1/4	.375"	.50"
R20-37575-SO	1/4	.375"	.75"
R20-3751-SO	1/4	.375"	1.0"
R20-5025-SO *	1/4	.50"	.25"

pin standoff

to elevate and locate a part against the pin



R20-251-PSO



R4-95-PSO

R4 standoffs are made of aluminum.

R20 standoffs are made of steel.

PART #	THREAD	DIA	HT	PIN DIA
R4-65-PSO	M4	6mm	5mm	2mm
R4-610-PSO	M4	6mm	10mm	2mm
R4-625-PSO	M4	6mm	25mm	2mm
R4-95-PSO	M4	9mm	5mm	2mm
R4-910-PSO	M4	9mm	10mm	2mm
R4-925-PSO	M4	9mm	25mm	2mm
R4-125-PSO	M4	12mm	5mm	2mm
R4-1210-PSO	M4	12mm	10mm	2mm
R4-1225-PSO	M4	12mm	25mm	2mm
R20-2525-PSO	1/4	.25"	.25"	.06"
R20-2550-PSO	1/4	.25"	.50"	.06"
R20-251-PSO	1/4	.25"	1.0"	.06"
R20-37525-PSO	1/4	.375"	.25"	.06"
R20-37550-PSO	1/4	.375"	.50"	.06"
R20-3751-PSO	1/4	.375"	1.0"	.06"
R20-5025-PSO	1/4	.50"	.25"	.06"

standoff adapter

for switching between M4 and 1/4-20



R20-4-SOA

PART #	THREAD	DIA	HT	TOP THREAD
R4-14-SOA	M4	19mm	10mm	1/4"
R20-4-SOA	1/4	.375"	.50"	M4
R4-8-SOA	M4	25mm	25mm	M8

resting pin

to rest a part on a rounded point



R4-ARP

PART #	THREAD	DIA	HT	MATERIAL
R4-ARP	M4	6mm	5mm	aluminum
R20-SRP	1/4	.25"	.25"	steel

adjustable jackstand

to allow variable heights



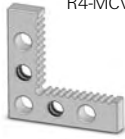
R4-MJS

PART #	THREAD	DIA	HT	ADJUST
R4-MJS	M4	9.5mm	20mm	8mm

corner viewer

to allow backlighting
between serrations

R4-MCV



PART #	THREAD	DIA	HT	ADJUST
R4-MCV	M4	30mm	30mm	5mm

slide base

to move components
between holes

R20-MSLD



PART #	THREAD	L	W	H
R4-MSLD	M4	30mm	12mm	5mm
R20-MSLD	1/4	1.38"	.63"	.25"

mini component tray

R4-MCT



PART #	DIMENSIONS
R4-MCT	7.50 x 12.00 x 1.25"

plate

aluminum or
acrylic plate

PART #	THREAD	DIMENSIONS	MATERIAL	SPACING
R4-1501509-10	M4	150 x 150 x 9.5mm	aluminum	10mm
RA4-1501509-10	M4	150 x 150 x 9.5mm	acrylic	10mm
R20-66375-50	1/4	6.0 x 6.0 x .375"	aluminum	.50"
RA20-66375-50	1/4	6.0 x 6.0 x .375"	acrylic	.50"

M4 kit

components & plate

PART #	BASE PLATE
R4-CK	(1) M4 aluminum plate
RA4-VK	(1) M4 acrylic plate

M4 kits also include:

- (3) 6mm x 5mm standoff
- (3) 6mm x 10mm standoff
- (3) 6mm x 25mm standoff
- (3) 9mm x 5mm standoff
- (3) 9mm x 10mm standoff
- (3) 12mm x 5mm standoff
- (3) 12mm x 10mm standoff
- (2) 6mm x 10mm pin standoff
- (2) 9mm x 10mm pin standoff
- (1) mini jackstand
- (2) mini slide base
- (3) mini tension spring
- (2) small tension spring
- (3) aluminum resting pin
- (1) mini component tray

1/4-20 kit

components only

PART #
R20-MK

1/4-20 kit includes:

- (3) .25" x .25" standoff
- (3) .25" x .50" standoff
- (3) .25" x 1.0" standoff
- (3) .375" x .25" standoff
- (3) .375" x .50" standoff
- (3) .375" x .75" standoff
- (3) .375" x 1.0" standoff
- (3) .50" x .25" standoff
- (2) .25" x .25" pin standoff
- (2) .25" x 1.0" pin standoff
- (2) .375" x .25" pin standoff
- (2) mini slide base
- (4) steel resting pin
- (4) mini tension spring
- (1) component box

Fitting Your Needs

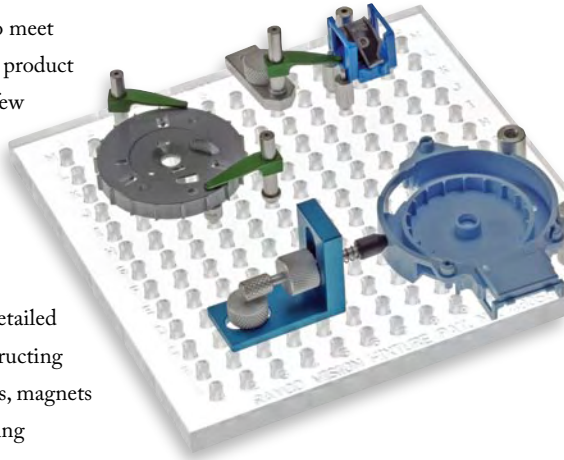
With today's parts becoming smaller and smaller, Rayco now introduces a mini version of modular fixturing components to meet those needs. It's still the same great product — just in miniature. Along with a few completely new ideas...

When Size Matters

Mini components allow access to detailed features of small parts without obstructing the backlight or probe path. Clamps, magnets and suction cups are used for fixturing parts of all materials and shapes. The mini components come with either a 1/4-20 or M4 thread. The 1/4-20 threaded components are also used on standard Rayco base plates.

Rayco now offers 150mm x 150mm x 9.5mm fixture plates with M4 threads and 6" x 6" plates with 1/4-20 threads. Choose between aluminum or acrylic plates for use with cmm or vision systems. All plates are alphanumerically labeled for accurate and consistent setups.

Setup shown on
M4 acrylic plate



- **Don't let fixturing get in the way of measurements**
- **Smaller contact surfaces**
- **Multiple part setups**
- **Perfect for small parts that turn into big problems**



Setup shown on
M4 aluminum plate

RFM

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