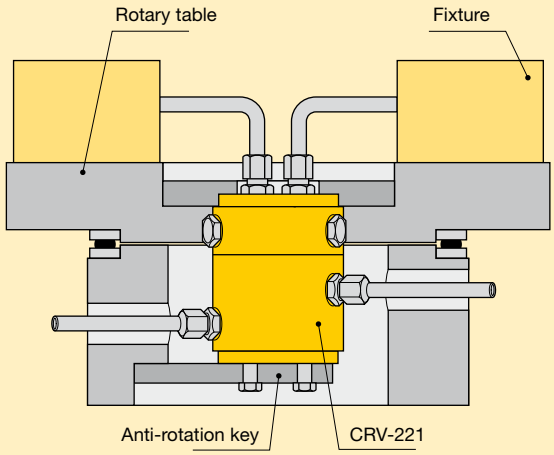
Rotary couplers *Application & selection*

Shown: CRV-222, CR-112

Rotary couplers are specially designed unions to transfer pressurized fluid from a stationary supply line to a rotating device. Used for workholding or clamping device such as fixtures installed on rotating index tables.

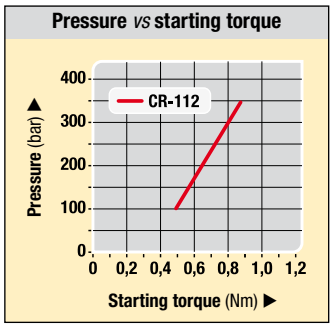


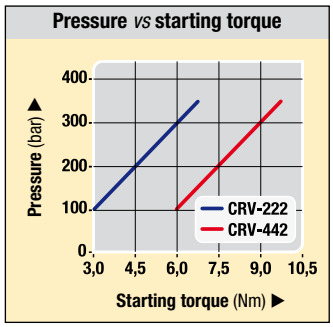
In this application eight CRV-222 rotary couplers are installed to power the individual presses of an eight station rotary press table.

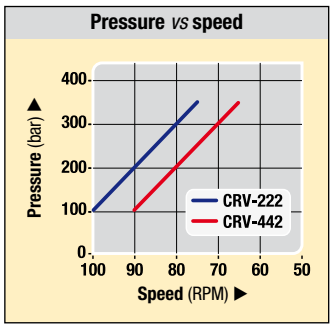
Permanent hydraulic connection on indexing and rotating work stations

- High rotation per minute
- Low starting torque
- Internal oil bearings for increased lifetime
- Manifold mounting adaptors available to reduce fixture plumbing.

Starting torque and speed diagrams







NOTES:
Maximum oil flow: 9 l/min.
Oil loss CRV-222 = 30 cm³/hour.
Oil loss CRV-442 = 40 cm³/hour.

Product selection

No. of radial passages	Model number [1]	Operating pressure range	Maximum speed		Starting torque	
			RPM		Nm	
		bar	100 bar	350 bar	100 bar	350 bar
1	**CR-112**	100 - 350	30	30	0,5	0,9
2	**CRV-222**	100 - 350	100	75	3,0	7,0
4	**CRV-442**	100 - 350	90	65	6,0	10,0

[1] Before selecting, note the starting torque and speed diagrams above.
Maximum oil flow: 9 l/min.

Manifold mounting adaptor

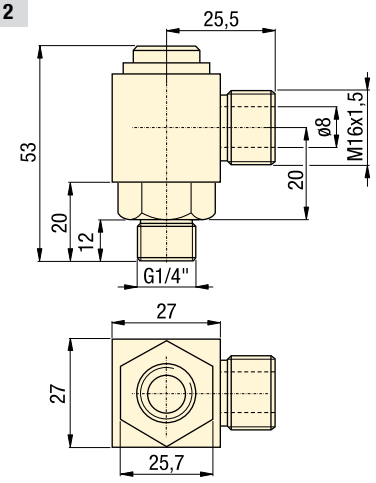
Mounting adaptor AMP-2, AMP-4
Mounts onto end of two and four passage rotary unions. Allows O-ring mounting directly to fixture.

Product selection

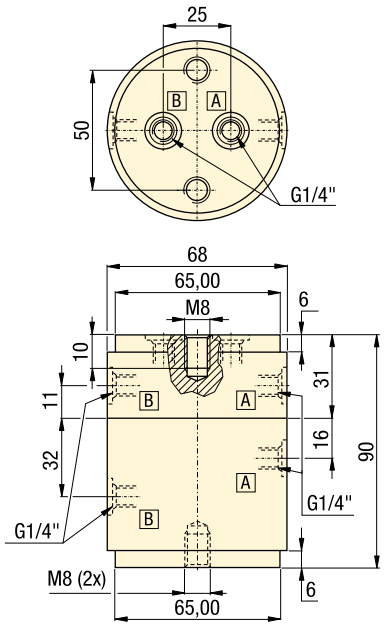
Number of radial passages	Model number	Operating pressure range	Used with
		bar	
2	**AMP-2**	100 - 350	CRV-222
4	**AMP-4**	100 - 350	CRV-442

Product dimensions in mm [ ]

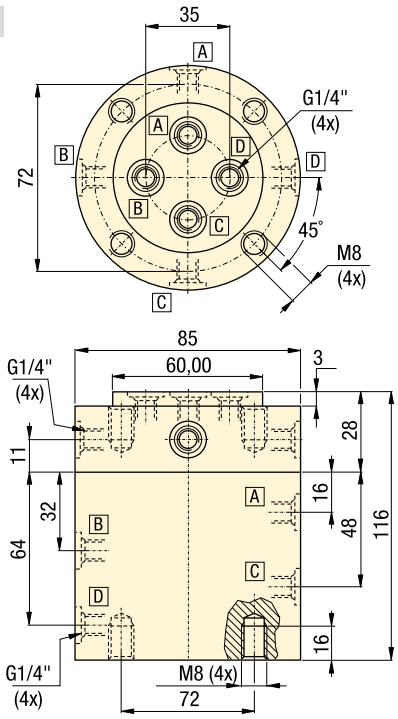
CR-112



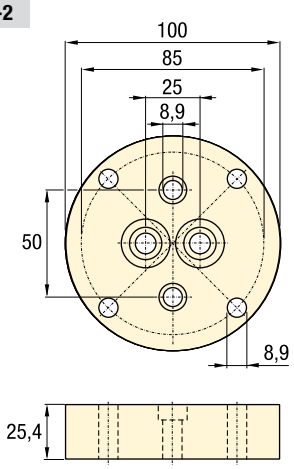
CRV-222



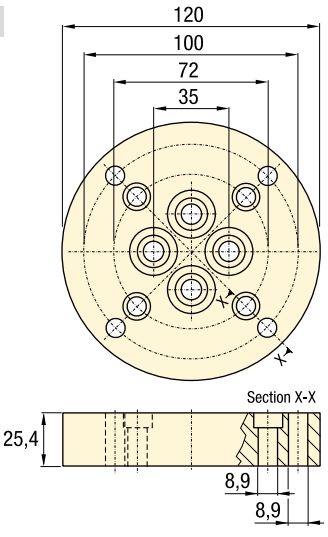
CRV-442



AMP-2



AMP-4



Passages: 1 - 4 lines

Speed: 30 - 100 RPM max.

Pressure: 100 - 350 bar

E Acoplamientos giratorios

F Joints tournants

D Drehdurchführungen

Options

Fittings 194

Couplers 192

Hoses and couplers 192

Important

Before selecting, note the pressure versus starting torque diagrams.

Rotary couplers must be mounted in the center of rotation of the installation.

Anti-rotation keys should be utilized.

For proper application, clamp force, pressures and timing, consult Enerpac for support.