

VACUUM CHUCKS

Model KVR-GVW VACUUM CHUCK WITH BUILT-IN VACUUM SYSTEM

**No external vacuum system required!
Air consumption reduced significantly!**

[Application]

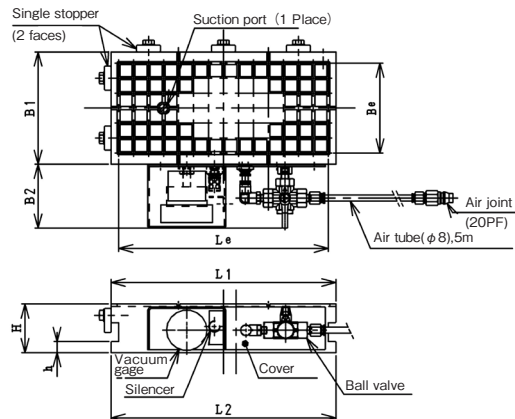
Suitable for light duty cutting by vacuum chucking such nonmagnetic workpieces as aluminum alloy, copper alloy, stainless steel and plastics.

[Features]

- Compared with the conventional ejector vacuum system, the air consumption amount can be reduced significantly.
- The chuck can be used by simply connecting a quick-connector type tube to a compressor in the factory.
- Since no vacuum system is required, the chuck has good response and is capable of holding and releasing workpieces quickly.
- Since air can be injected reversely through the suction port, the inside can be cleaned to facilitate maintenance.
- The internal parts can be replaced easily by removing the front cover of the chuck.
- The material of the main unit can be selected from two kinds; mild steel and aluminum alloy.
- Can be used in wet operations.



KVR-GVW1530



Model	Main Unit Material	Nominal Size	Dimensions						Grid Pitch P×P	Effective Area Be×Le	Mass			
			L ₁	L ₂	B ₁	H	h	B ₂						
KVR-GVW1530	Mild steel	150(5.90) × 300(11.8)	300	300	150	65	15	90	20(0.78) × 20(0.78)	120(4.72) × 280(11.0)	17kg/37 lb			
KVR-GVW2050		200(7.87) × 500(19.7)	500	524	200							25(0.98) × 25(0.98)	180(7.08) × 480(18.8)	43kg/94 lb
KVR-GVW3060		300(11.8) × 600(23.6)	600	624	300									
KVR-GVAW1530	Aluminum alloy	150(5.90) × 300(11.8)	300	300	150	(2.55)	(0.59)	(3.54)	20(0.78) × 20(0.78)	120(4.72) × 280(11.0)	6kg/13 lb			
KVR-GVAW2050		200(7.87) × 500(19.7)	500	524	200	25(0.98) × 25(0.98)	180(7.08) × 480(18.8)	15kg/33 lb						
KVR-GVAW3060		300(11.8) × 600(23.6)	600	624	300							275(10.8) × 575(22.6)	29kg/63 lb	

*Seal rubber φ4, 10 m, air tube 5 m and clamp parts are included. *The capacity of a compressor to use must be 0.75 kW or over.

Model KVR-G VACUUM CHUCK (GRID SEAL TYPE)

[Application]

Suitable for grinding by vacuum chucking such nonmagnetic workpieces as aluminum alloy, copper alloy, stainless steel and plastics.

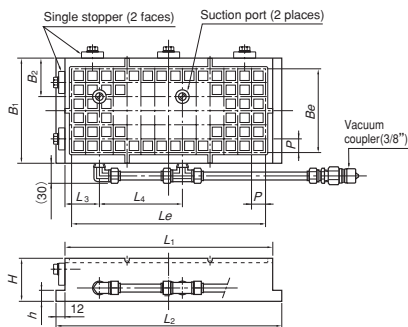
[Features]

- Workpieces are vacuum chucked in the area defined by seal rubber strings set in the grid grooves, ensuring good sealing and consistent holding power.
- A desired work area can be set by cutting the seal rubber string (φ6 × 5 - 20 mm included) according to workpieces.
- The suction ports are provided in two places on all models to allow setting two workpieces.
- A vacuum coupler to connect to the vacuum system is provided. (Vacuum is turned on and off with the valve on the vacuum system.)
- Single stoppers are provided.
- The main unit is made of iron to enable the chuck to be held by an existing magnetic chuck.



KVR-G1530

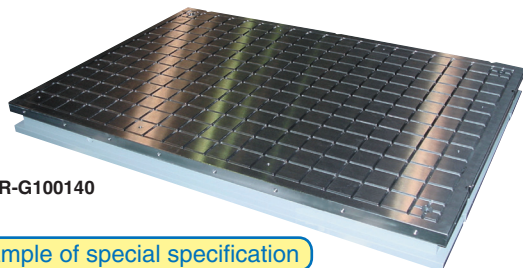
Vacuum system required additionally



See "Model KETV:ELECTROMAGNETIC CHUCK WITH VACUUM CHUCK" on page 11.

Model	Nominal Size	Dimensions						Grid Pitch P×P	Effective Area Be×Le	Mass	Applicable Vacuum System
		L ₁	L ₂	B ₁	H	h	B ₂				
KVR-G1530	150(5.90) × 300(11.8)	300	324	150	60	15	55	120	20×20	120(4.72) × 280(11.0)	22kg/48 lb
KVR-G2050	200(7.87) × 500(19.7)	500	524	200			50	220			
KVR-G3060	300(11.8) × 600(23.6)	600	624	300			50	275			
KVR-G4080	400(15.7) × 800(31.5)	800	824	400			63	350			
KVR-G50100	500(19.7) × 1000(39.4)	1024	500	475			63	475			

An example of special specification



KVR-G100140



KVR-GR

An example of KVR-GR special specification

An example of special specification