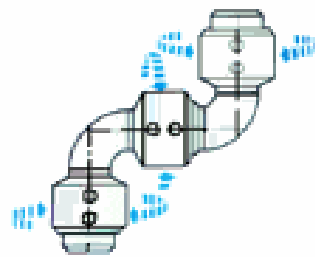


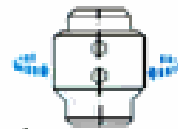
SWIVEL JOINTS - GENERAL INFO



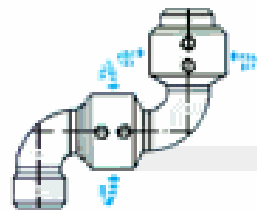
Our Swivel Joints are designed to give the maximum in swivel joint service.



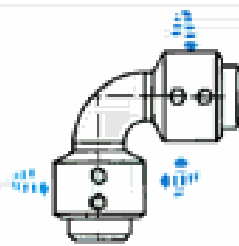
Style 10
3 planes of rotation



Style 20
1 plane of rotation



Style 50
2 planes of rotation



Style 60
2 planes of rotation

Features and Benefits

- Full 360° rotational movement offers the maximum in flexibility.
- Widest spacing between dual ball bearing raceways ensures greater load-bearing capacity.
- The precision-machined design ensures alignment and years of trouble-free service.
- An O-Ring dust seal is used to protect the ball races and seal chamber from all outside elements.
- The radius elbow design ensures a smooth flow pattern.

V-Ring Type

- The spring-loaded triple V-Ring sealing system ensures a leak proof seal at either high or low pressure and an extended seal life versus the conventional single O-Ring design.
- The 3" - 8" Carbon Steel swivels are manufactured from a special grade of Carbon Steel with flame hardened dual raceways for greater load bearing capacity and longer life.
- The Stainless Steel swivels are manufactured in 316 grade Stainless Steel for superior corrosion resistance.
- The V-Ring type swivels are available with beveled ends for welding, female NPT threads or 150# ASA flanges.

Options

- Male NPT threads, 300# ASA flanges, Tank Car thread with gasket, TTMA Tank Truck flanges, British Pipe threads, etc. are available as optional end configurations for V-Ring type swivels.
- 150# ASA flanges, TTMA Tank Truck flanges, Tank Car thread with gasket, male NPT threads, etc. are available as optional end configurations for O-Ring type swivels in Aluminum, Carbon Steel and Stainless Steel only.
- Any combination of ends is available.
- Viton®, EPR and PTFE seals are available from stock. Other seals are available on request. Buna-N Seals are standard.
- Drain holes or counter balance lugs are available. *Consult our Customer Service Department*
- For other metals or configurations, *consult our Customer Service Department*
- Food grade lubricant is available.