

## Swivel joints – D1131, D1135



### Swivel joints for heavy duty special applications

The D1131 and D1135 swivel joints for special application with one or two ball tracks are variations of the basic D0002 and D1010. These swivel joints are internally lined with PTFE and are equipped with a special PTFE seal. Therefore they are suitable for extremely aggressive products.

The ball tracks are encapsulated by two O-rings. Neither dirt from the outside nor product from within (in case of leakage) can reach the ball track.

Should the main seal fail, leakage is indicated through the leak detection port. This port is PTFE sleeved. Thus contact of product with carbon steel components is prevented.

The ball tracks are hardened and polished. This gives the swivel joint a high degree of running precision and long service life, even under extreme operating conditions.

The encapsulated ball tracks are provided with a long-term lubricant, re-lubrication is therefore not required for many years.

Replacement of the special PTFE seals necessitates a high degree of accuracy and experience. Only careful insertion of the special PTFE seal guarantees a long service life.

The D1131 swivel joint is equipped with special flanges. The connection flanges for the pipes are included in the swivel joint order. These flanges are welded to the pipes and then PTFE lined as an assembly.

D1131, D1135

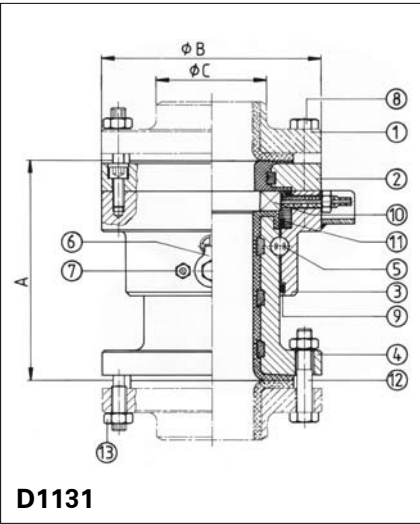
Dimensions and technical data

Technical data D1131					
Size* DN	Material	Seal material	Allowable internal pressure(gauge pressure)		Allowable temperature range**
			operational	test	
50, 80, 100, 150	carbon steel PTFE lined	PTFE	10 bar	15 bar	-10 °C to +150 °C
* larger sizes are available					
** temperature range might be restricted due to seal material					

Technische Daten D1135					
Größen* DN	Material	Seal material	Allowable internal pressure(gauge pressure)		Allowable temperature range**
			operational	test	
150, 200	carbon steel PTFE lined	PTFE	10 bar	15 bar	-10 °C to +150 °C
* larger sizes are available					
** temperature range might be restricted due to seal material					

Dimensions and weights (metric) D1131				
Size	A	B	Bolts	Weight
DN 50	119	118	8 x M 8	5 kg
DN 80	119	143.5	8 x M 8	7 kg
DN 100	119	175	12 x M 10	10 kg
DN 150	164	247	12 x M 12	23 kg
Dimensions and weights for larger swivel joints are available on request				

Dimensions and weights (metric) D1135				
Size	A	B	Bolts	Weight
DN 150	available on request			
DN 200				
Dimensions and weights for larger swivel joints are available on request				



- 1. flange
- 2. spacer ring
- 3. body
- 4. sleeve
- 5. balls
- 6. ball track locking
- 7. grease nipple
- 8. flange screws
- 9. dust O-ring
- 10. swivel joint seal
- 11. seal ring
- 12. screws for connecting flange
- 13. socket set screw

Normal attitude horizontal or vertical. If O-ring part No. 9 is facing upwards, make certain that water cannot enter into O-ring groove (protective cover)

Fluid Transfer Division

SMAILE-PLUSS SIA. LV1007. 79A Slokas. Riga. Latvia +37129214098

Whilst the content of this leaflet has been edited with the greatest care, we are not liable for any errors and/or omissions. Subject to change without notice.

**EMCO WHEATON**

A Gardner Denver Product

EMCO WHEATON GmbH  
Emcostraße 2-4 · 35274 Kirchhain · Germany  
Phone +49 6422 84-0 · Fax +49 6422 5100  
www.emcowheaton.com · sales-de@emcowheaton.com