

## Vector SPO Compact Flange : Seal Ring Material Selection

Sealring Material Type		Low Alloy	Stainless	High Strength Stainless	Duplex & Superduplex	Nickel Alloy
Grade marked on sealring		AISI 4130 AISI 4140	A182 F44 (6Mo)	A564 630 (17/4 PH)	A182 F51 A182 F55	Alloy 625 Alloy 718
FLANGE MATERIAL	MARKING DATA (Material Grade)					
Carbon / Low alloy steel	A694 F52, F60, F65, A350 LF2	●	●	● (2)	● (4)	● (4)
	as above + Alloy 625 cladding	●	●	●	● (4)	●
Stainless Steel	A182 F316, F304, F321	●	● (1)	●	● (3)	●
	A182 F44 (6Mo)	●	● (1)	●	● (3)	●
Duplex + S.Duplex	A182 F51, F53, F55, F61	●	●	● (2)	●	●
Nickel Alloy	Alloy 625, 800,825	●	●	●	● ● (3)	●

**Notes:**

1. Recommended for cryogenic service below -100°C
2. Not recommended for sour service
3. Not recommended for service below -50°C
4. For H2S service refer to NACE MR0175

- **STOP :** Avoid this material selection !
- **USE WITH CAUTION :** Check specification or seek metallurgical advice (see notes above)
- **GO :** Good material selection