



Producto distribuido por

SDM
Oil & Gas

 (+51) 999 012777  ventas@sdm.pe

www.sdm.pe | Av. Galvez Barrenechea 274. San Isidro

MannTek

Product Name	CBC-PERC
Short Description	Powered Emergency Release Coupling
Description	'Powered Emergency Release Coupling' with remote controlled release, additionally passive release as safety backup. Used to protect hose assemblies and loading arms against excessive loads, and for manual release in emergency situations. Two activation methods: 1) Pneumatic, remote-controlled release - MannTek supplies this coupling as a system including control and monitoring system 2) At a defined tensile (pulling) force on the transfer line being applied at an angle of up to 90 degrees. Suitable for the transfer of cryogenic liquefied gases (LNG, nitrogen, oxygen, argon, ethylene etc.) down to -196° C. Typical applications include container discharge, fuel bunkering truck-to-ship, ship-to-ship, terminal-to-ship, loading/unloading of ships. CBC-PERC is a powered version of the CBC with the advantage that it can be released by external overload or manually operated. In case of a remote controlled release, a Nitrogen gas cylinder will be opened and gas pressure will release the breaking bolts. CBC-PERC systems require consultation between a MannTek project manager and the operator during the entire planning phase, including risk analysis (RA, HAZOP, HAZID).
Sizes	4" (DN 100) up to 8" (DN 200).
Connections	NPT thread, DIN/ANSI/TTMA flange – others on request.
Pressure	Working pressure: DN 25 - DN 100: PN 25, DN ≥ 150: PN 16.
Temperature	-196° C up to +85° C.
Material	Body: stainless steel 1.4404 (AISI 316L), Seals: PTFE.
Approvals / Certificates	Type approval DNV GL rules for liquefied gas carriers, type examination DNV GL for LNG transfer systems (ISO16904, EN1474-3). DNV GL TAP00000X6, DNV GL TAP000012W, Lloyd's Register 0038 RET0271208
Product Sheet / Links	Overview Approvals Brochure CBC Homepage CBC Animation Cryogenic Breakaway Couplings / Powered Emergency Release Couplings (CBC-PERC):

MannTek

