

**Clean break
couplings for
high pressure
hydraulic
applications**

Series HC



Clean break couplings for high pressure hydraulic applications series HC

Description:

The clean break couplings of the HC series were specifically designed for high pressure applications.

The clean break design of the integrated valves make sure that no medium is lost when disconnecting and no air is let into the system when connecting both halves.

The flat face design allows easy cleaning of front surfaces.

Different from most other flat face couplings on the market the HC-series does not squirt medium when connected or disconnected at residual pressures.

Features:

- automatic lock
- squirt free
- no medium loss or air inclusion during connection / disconnection
- full working pressure allowed for both halves also when disconnected
- flat faces for easy cleaning
- to be used for self lubricating fluids

Materials:

Steel zinc plated, yellow chromated or phosphated, also in stainless steel 1.4404 (AISI 316L)

Seals – Elastomeric seals optimised for mineral oil based hydraulic fluids, HFA and HFB fluids

Options:

Pressure venting valve (part no. annex -Z11)

Static residual pressures are vented by purposely allowing a small leak during connection movement. As this relieves the system of the pressure related forces the connection movement is carried out easily. This feature is available for size G12 and larger.

Additional dirt protection (part no. annex -Z12)

By adding some components the ingress of dirt and contamination into the locking mechanism is prevented. This system has proved itself especially usefull in steel mill environment



HC-G12-Z11
with pressure vent

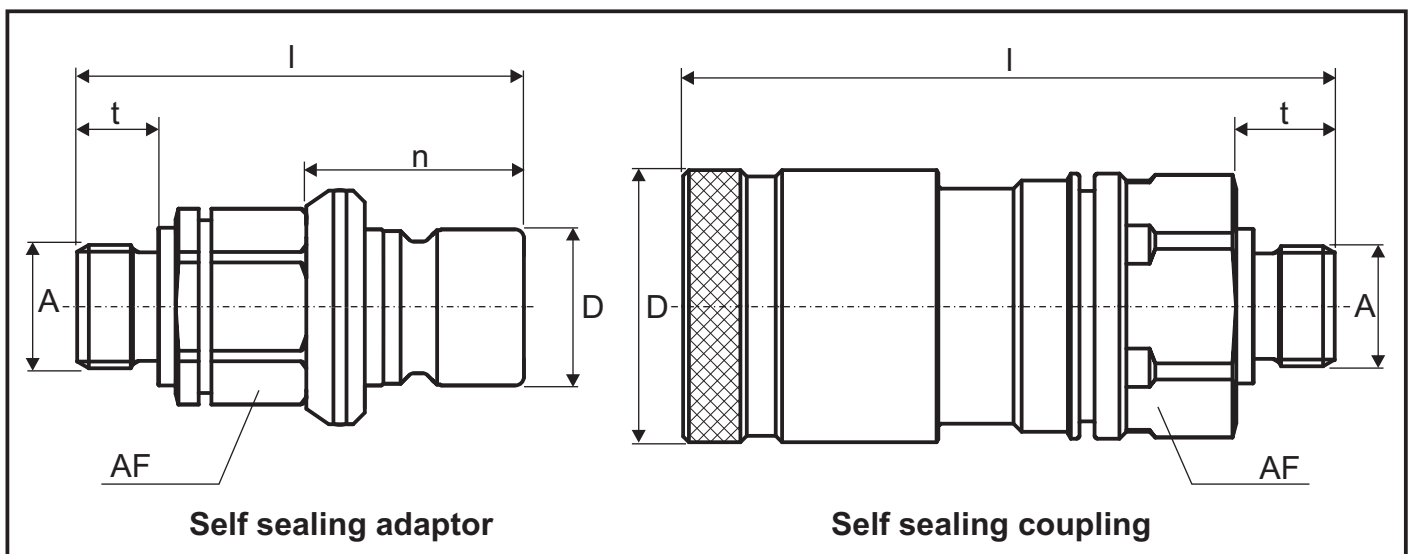


HC-G12-Z12
with componets for dirt protection



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Gender	Part no.	End connection	l	n	t	d	AF
Self sealing coupling	HC-G06-0-S1018-AABA-Z10	M 18 x 1,5	99	—	12	30	27
Self sealing coupling	HC-G08-0-S1220-AABA-Z10	M 20 x 1,5	105	—	12	42,5	32
Self sealing coupling	HC-G12-0-S1624-AABA-Z10	M 24 x 1,5	103	—	14	47	41
Self sealing coupling	HC-G16-0-S2030-AABA-Z10	M 30 x 2,0	112,5	—	16	58	50
Self sealing coupling	HC-G20-0-S2536-AABA-Z10	M 36 x 2,0	137	—	18	63	50
Self sealing adaptor	HC-G06-2-S1018-AABB-Z10	M 18 x 1,5	69	26	12	30	27
Self sealing adaptor	HC-G08-2-S1220-AABB-Z10	M 20 x 1,5	69	27	12	30	27
Self sealing adaptor	HC-G12-2-S1624-AABB-Z10	M 24 x 1,5	74	28,5	14	33,5	30
Self sealing adaptor	HC-G16-2-S2030-AABB-Z10	M 30 x 2,0	80	31	16	45,5	41
Self sealing adaptor	HC-G20-2-S2536-AABB-Z10	M 36 x 2,0	111,5	33	18	51	46



	Working pressure [bar] connected / disconnected	Cv- value	Remaining leakage in [cm ³]	Weight in [g]	
				coupling	nipple
HC-G06	650	0,65	0,015	455	177
HC-G08	600	1,30	0,090	660	220
HC-G12	600	2,80	0,150	818	251
HC-G16	600	4,00	0,200	1.406	487
HC-G20	600	6,20	0,350	2.005	909

More couplings for hydraulic applications



High pressure couplings series HP



Screw type couplings series CH

For each application the best suitable coupling



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