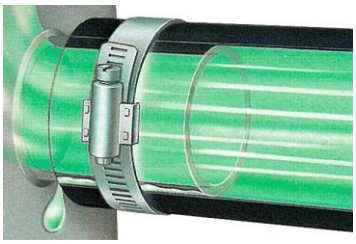
FLEX-GEAR HD®

Heavy Duty band clamp with compensating spring

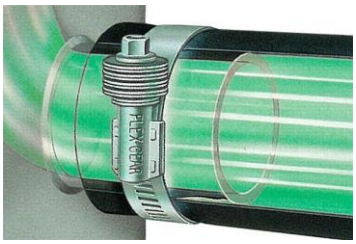
Worm-drive band clamp fitted with a spring to compensate for dimensional changes of the connection (hose shrinkage due to cold flow of the material or large temperature changes). The spring is a set of 10 disc (Belleville) springs – washers under the screw head. This maintains the clamp's clamping force and leak-tightness around the entire hose circumference, preventing leakage from the installation. The clamp's spring mechanism automatically increases or decreases its diameter while maintaining the clamping force. Particularly recommended for large temperature changes in heavier applications. Correct clamping is indicated by the screw tip protruding beyond the housing and by the flattened disc springs. The clamp's inner liner protects the hose surface against damage.

The series 845 clamp is made entirely of stainless steel.
Series 841 clamp – stainless steel, zinc-plated carbon steel screw.
Assembly tightening torque: 8.5 Nm (max. 14.1 Nm).

index (series 845)	index (series 841)	minimum diameter [mm]	maximum diameter [mm]	width band [mm/inch]	screw head hexagon [mm/inch]	SAE size (diameter range)
AB-845175	AB-841175	25	45	16 (5/8”)	9,5 (3/8”)	175 (1” – 1.3/4”)
AB-845200	AB-841200	32	54			212 (1.1/4” – 2.1/8”)
AB-845250	AB-841250	45	67			262 (1.3/4” – 2.5/8”)
AB-845300	AB-841300	57	79			312 (2.1/4” – 3.1/8”)
AB-845350	AB-841350	70	92			362 (2.3/4” – 3.5/8”)
AB-845400	AB-841400	83	105			412 (3.1/4” – 4.1/8”)
AB-845450	AB-841450	95	117			462 (3.3/4” – 4.5/8”)
AB-845500	AB-841500	108	130			512 (4.1/4” – 5.1/8”)
AB-845550	AB-841550	121	143			562 (4.3/4” – 5.5/8”)
AB-845600	AB-841600	133	155			612 (5.1/4” – 6.1/8”)
AB-845650	AB-841650	146	168			662 (5.3/4” – 6.5/8”)
AB-845700	AB-841700	159	181			712 (6.1/4” – 7.1/8”)
AB-845750	AB-841750	172	193			762 (6.3/4” – 7.5/8”)
AB-845800	AB-841800	184	206			812 (7.1/4” – 8.1/8”)
AB-845850	AB-841850	197	219			862 (7.3/4” – 8.5/8”)
AB-845900	AB-841900	210	232			912 (8.1/4” – 9.1/8”)



Using a standard hose clamp during extreme temperature changes leads to leakage



Using the Flex-Gear clamp® maintains the clamping force, eliminating leakage.

Assembly example

Stainless steel CAMLOCK C coupling mounted in the hose using FLEX-GEAR HD clamps® series 845