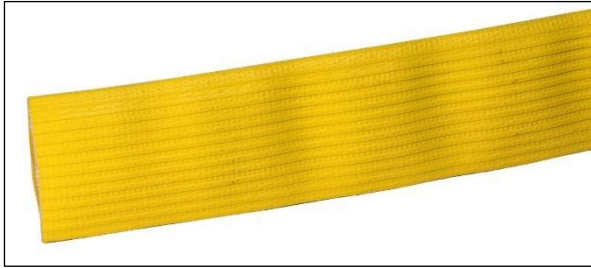




Flat hoses for water and air



HILCOFLEX SPEZIAL 90

High-pressure flat hose for water and compressed air

Hose material: yellow NBR/PVC compound pressed into a polyester/polyamide braid in a hose extrusion process

Operating temp: -20°C to +80°C (water)
-20°C to +75°C (air)

Robust delivery hose designed for the transfer of water or compressed air. Used in construction (especially demolition companies), industry and mining. Suitable for heavy duty applications. Yellow colour for excellent hose visibility. Inner layer smooth for minimal flow loss. Outer layer slightly longitudinally ribbed, which serves to increase abrasion resistance and protect against contact with hot elements. Resistant to abrasion, ozone, weathering, oil, fuels and a wide range of chemicals. Lighter and more flexible than standard rubber hoses. Flat at rest for easy handling and storage. Requires no washing or drying. Resistant to longitudinal loads - during unwinding and pulling (longitudinal force should never exceed 1/3 of the specified breaking force, fitting of ends should take into account the longitudinal force). Use for air should always be preceded by a risk analysis in case of accidental disconnection or tearing of the hose.

index	internal diameter [mm]	wall thickness [mm]	external diameter [mm]	working pressure 20 °C [bar]		Bursting pressure 20 °C [bar].	mass [kg/m]	Roll length [m]	hose breaking force [kG].
				water	air				
GH-HFLEX-S90-020	20	2,5	25	30	22	90	0,19	100	1200
GH-HFLEX-S90-026	26	2,5	31	30	22	90	0,23	100	1400
GH-HFLEX-S90-038	38	3,2	44,4	30	22	90	0,40	100	2700
GH-HFLEX-S90-052	52	3,5	59	30	22	90	0,60	100	5300

Note: indexes highlighted in colour - most commonly used

HILCOFLEX SPEZIAL 90 DN52 hose with STORZ connector in aluminium (ST-12-066052-11) mounted with wire. Medium: water; hose operating pressure up to 16 bar (limited by the maximum pressure for the STORZ coupling). In this case, the selection of HILCOFLEX SPEZIAL 90 hose was dictated by its overall strength, durability and yellow colour, rather than the hose's operating pressure.



For compressed air in the construction industry, for pneumatic hammers and augers, hose DN 20 and DN 25 with a length of 20 m is often used, terminated on both sides with 42 mm claw couplings or DIN 8537/20033 twist couplings.

