






UHP thermoplastic hoses (700÷ 800 bar)

Thermoplastic hoses designed for pressures up to 800 bar. The material of the outer layer is abrasion-resistant polyurethane. The reinforcement consists of aramid fibre and steel wire braids (2 or 3 layers). The inner layer is polyester or polyamide. The most common applications are high-pressure hydraulic systems, rescue equipment, jacks and pumps, bolt tensioners. Suitable for media such as hydraulic oil, paints, solvents, isocyanates, polyols. Hoses with a micro-perforated outer layer can also be used for gas transfer. The operating temperature range is -40°C to +100°C (for water and water-based liquids and gases up to a maximum of +70°C). UHP thermoplastic hoses are assembled with special fittings for these hoses (type P) and are offered as complete, assembled and pressure-tested hoses, often fitted with special UHP couplings.

UHP thermoplastic hoses (polyester inner layer, aramid braids)

index	inside diameter [mm]	Outside diameter [mm]	working pressure [bar]	Burst pressure. [bar].	bend radius [mm]	mass [kg/100 m]	installation
TYPE 1 (MARINE) 	Hoses designed for high-pressure hydraulic systems. Adapted for use in the marine industry and high humidity environments. Featuring a micro-perforated outer layer.						
UH-OL8MMARINE-06	6,4	14,8	700	2800	50	15,90	IT-151
UH-OL8MMARINE-10	9,7	18,0	700	2800	90	20,50	IT-151
TYPE 2 (NON CONDUCTIVE) 	Hoses designed for high-pressure hydraulic systems. Electrically non-conductive (leakage under SAE J517 test conditions less than 50 µA at 246 kV/m for 5 min.). Used in the vicinity of transformers and medium and high voltage electrical installations.						
UH-0460-04	4,0	9,1	700	2800	25	6,00	IT-142
UH-0462-06	6,6	14,0	700	2800	35	14,50	IT-142
UH-OL8MNC-06	6,4	14,8	700	2800	50	15,90	IT-151
UH-OL8MNC-10	9,7	18,0	700	2800	90	20,50	IT-151

UHP thermoplastic hoses (inner layer polyester, aramid braids+ steel braid)

index	inside diameter [mm]	Outside diameter [mm]	working pressure [bar]	Burst pressure. [bar].	bend radius [mm]	mass [kg/100 m]	installation
TYPE 1 (STANDARD) 	Hoses designed for high-pressure hydraulic systems.						
UH-0412-06	6,6	12,7	700	2800	35	18,00	IT-142
UH-0802-06	6,6	14,4	800	3200	35	24,50	IT-142
UH-0414-10	9,8	18,7	700	2800	90	33,00	IT-142
TYPE 2 (MARINE) 	Hoses designed for high-pressure hydraulic systems. Adapted for use in the marine industry and high humidity environments.						
UH-0402-06	6,6	12,7	700	2800	35	18,00	IT-142
UH-0404-10	9,8	18,7	700	2800	90	33,00	IT-142
TYPE 3 (TWIN) 	Double hoses consisting of two strands of STANDARD hose.						
UH-1412-06	6,6	12,7	700	2800	35	36,00	IT-142
UH-1414-10	9,8	18,7	700	2800	90	66,00	IT-142