

***polyflex***<sup>®</sup>  
**Thermoplastic  
High Pressure Hose  
Type ESH**

April 2000



# ESH – Thermoplastic High Pressure Hose

for hydrodynamic cleaning of sewers



ESH type thermoplastic hose offers exceptional benefits and is designed for maximum durability in cleaning sanitary service lines.

## Technical Data

### Core tube:

Polyethylene compound, grey

### Reinforcement:

2 braided layers of high tensile synthetic yarn

### Cover:

Polyurethane compound

Colour: yellow

### Temperature Range:

-10 °C to + 50 °C

### Length change tolerance at working pressure:

± 2%

Part no. <b>#</b>	DN size			mm	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	Weight
	inch	mm	mm		MPa / psi	MPa / psi	mm	kg/100m		
ESH-08	12	-08	1/2	19,4	20,0	2 900	50,0	7 250	100	23,1
ESH-12	20	-12	3/4	29,5	20,0	2 900	50,0	7 250	125	36,5
ESH-16	25	-16	1	36,3	20,0	2 900	50,0	7 250	150	59,3
ESH-20	32	-20	1 1/4	46,0	20,0	2 900	50,0	7 250	225	88,5

## Standard Lengths and Fitting Connections

Part no. <b>#</b>	Length (m)						End Fittings	
	Standard					max.	BSP Female swivel	BSP-Male
	80	100	120	150	180			
ESH-08	•	•	•			350	G 1/2	G 1/2
ESH-12		•	•			350	G 3/4	G 3/4
ESH-16	•	•	•	•	•	350	G 1	G 1
ESH-20	•	•	•	•	•	350	G 1 1/4	G 1 1/4

## Product Benefits

Feature	Advantage	Benefit
Weight	1/3rd of that of standard applied rubber hose.	Lower water consumption; reaches work destination faster than heavyweight rubber/wire hose.
Abrasion	The special Polyurethane compound has 500 times better abrasion resistance than rubber.	Longer life expectancy in aggressive environments.
Volumetric Expansion	Minimal volumetric expansion due to low elongation reinforcing yarn.	Less pressure loss and reduced stress on drum flanges.
Environmental Stability	Reduced degradation with hydrolysis and fungal resistant cover.	Stabilized material characteristics and improved storage life.
Safe Handling	Non aggressive reinforcement on cover damaged areas.	No injuries or infections from loose wires.
Security	Qualified fitting design; Hose assemblies can be supplied with test certificates.	Lowered risk of equipment loss during operations.

Internet: <http://www.parker.com/uk>

For further information on other Parker products, call the European Product Information Centre free of charge on 00800 27 27 5374.

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