



CONCRETE PUMP HOSE ASSEMBLIES

ACCESSORIES FOR CONCRETE HOSE ASSEMBLIES
PRODUCTION OF CONCRETE HOSE ASSEMBLIES
PLASTER HOSE ASSEMBLIES

CONCRETE HOSE ASSEMBLIES

SHANNON / 85®

Inner layer: black SBR/NR rubber

Reinforcement: four steel braids up to DN127, six braids up to DN152

Outer layer: black SBR/NR rubber

Working temperature: from -40°C to +70°C

Heavy duty hose designed to transfer cement mortar, concrete. Highly resistant to abrasion, ozone and weather conditions. Used on concrete pumps for pouring concrete for foundations, walls, ceilings. Supplied as complete hose assemblies with groove couplings. Abrasion resistance according to ISO 4649: 50 mm³.



Internal diameter [mm]	Outer diameter [mm]	Working pressure [bar]	Bursting pressure [bar]	Weight [kg/m]	Bending radius [mm]
51	71,5	80	200	3,38	380
65	85	80	200	4,11	400
76	97	80	200	4,92	400
102	124	80	200	6,87	550
127	150	80	200	8,69	700
152	184	80	175	14,25	800



GROOVE COUPLINGS FOR SHANNON / 85® HOSES

Material: carbon steel

Hardened surface depth: 0,6 ÷ 0,8 mm

Hardness: 56 ÷ 58 HRC

ACCESSORIES FOR CONCRETE HOSE ASSEMBLIES

■ Snap clamp for groove coupling

Material: carbon steel

Working pressure: 80 bar

■ Gasket for the snap clamp of a groove coupling

Material: SBR rubber

■ Safety pin securing the clamp

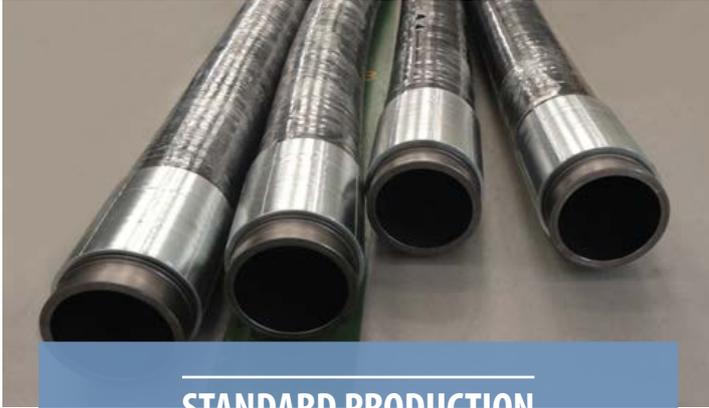
■ Cleaning ball for SHANNON / 85® hoses



PRODUCTION OF CONCRETE HOSE ASSEMBLIES

We produce standard hose assemblies, but also less typical solutions, designed and made to suit the specific requirements of a Customer.

i While placing an order, the diameter and overall length of a hose assembly as well as the size of a coupling must be stated.



STANDARD PRODUCTION

Standard production includes concrete hose assemblies in standard diameters DN100 and DN125, 4m in length. The hose assemblies are regularly made to stock and available on hand.



CUSTOM PRODUCTION

On request, we produce hose assemblies in non-standard lengths up to 60m.

We can also produce SHANNON / 85° - based hose assemblies for other applications. For example, the hose assembly for bentonite - based drilling muds. The hose assemblies of this type are usually assembled with NPT male thread fittings, so they can be easily connected with HAMMER LUG couplings popular in drilling applications.

PLASTER HOSE ASSEMBLIES

NIAGARA®

Inner layer: black SBR/NR rubber
 Reinforcement: synthetic cord
 Outer layer: black SBR/NR rubber
 Working temperature: from -40°C to +70°C

Hose designed to transfer plaster mortar, cement mortar, gypsum or concrete. Antistatic, highly resistant to abrasion, ozone and weather conditions. Abrasion resistance according to ISO 4649: 70 mm³. Used with mortar couplings as standard.



Internal diameter [mm]	Outer diameter [mm]	Working pressure [bar]	Bursting pressure [bar]	Weight [kg/m]	Standard length [mm]
25	38	40	120	0,68	120
32	46	40	120	0,89	120
35	49	40	120	0,95	120
38	54	40	120	1,24	120
51	68	40	120	1,71	120



MORTAR COUPLINGS

Material: zinc-plated cast iron (steel)
 Working pressure: 50 bar



CONCRETE HOSE ASSEMBLIES

DURABILITY ON A CONSTRUCTION SITE

Hose assemblies are produced from SHANNON / 85° hose, which has a very strong and durable construction. Its outer layer is resistant to abrasion, weather conditions and ozone. It all adds up to give a hose assembly with the longest possible service life in the tough environment of the construction site.

LONGER SERVICE LIFE OF HOSE ASSEMBLIES

Both hose and fittings have excellent abrasion resistance. Hence, the hose assembly is well adapted to transfer such an abrasive medium as concrete.

SHANNON / 85° concrete hose is made of black SBR/NR rubber with abrasion resistance of 50 mm³ according to ISO 4649. Groove couplings used for the production of these hose assemblies are made of hardened carbon steel (depth of hardening is 0.6-0.8mm). Their hardness is at the upper end of the HRC scale, which denotes a very hard steel (56-58 HRC).

FULL FLOW

To obtain smooth, uninterrupted flow, the couplings are mounted using FULL FLOW system, which is not affected by necking. The concrete pumped through the hose does not adhere or accumulate in the spots where couplings connect, does not obstruct the flow and does not reduce the efficiency of the hose assembly or the concrete pump.



PLASTER HOSE ASSEMBLIES

ULTIMATE STRENGTH FOR HEAVY DUTY CONDITIONS

Plastering hose assemblies are produced from NIAGARA® hose. The outer layer is resistant to abrasion, ozone and weather conditions, thus the hose assembly withstands operations in tough conditions, which are typical to construction sites.

ABRASION RESISTANCE

The transfer of a highly abrasive material such as: plastering mortar, cement mortar, gypsum or concrete requires a hose with outstanding abrasion resistance. The internal layer of NIAGARA® hose is made of black SBR/NR rubber (70 mm³ according to ISO 4649).

SPECIAL MORTAR COUPLINGS

The hose assemblies come with special mortar couplings that withstand 50 bar pressure. Thus they perform perfectly transferring plaster mortar, cement mortar or gypsum.

CHOOSE A RELIABLE SUPPLIER

