

# Strands for prestressed concrete

passport



3 wire strand



D1100



D900



- with a normal (max. 8 %) and low (max. 2,5 %) relaxation.
- according to EN 10138, ASTM A 416, BS 5896, the works standard and to a customer's requirements.
- left and right stranding.
- dry and waxed surfaces.



## 7 wire strands

Standard		PN-DH 47-006-90									Zulassung			
Nominal diameter	(mm)	7,8	12,5	12,5	15,3	15,3	15,5	15,5	15,7	15,7	12,5	15,3	15,7	
Nominal tensile strength	(MPa)	1770	1770	1860	1770	1860	1800	1860	1770	1860	1770	1770	1770	
Nominal unit weight	(g/m)	282	730	726	1099	1099	1105	1105	1172	1172	726	1093	1172	
Tolerance on cross section	(%)	+4 -2									+4 -2			
Breaking strength	F <sub>m</sub> min. (kN)	63	164,6	173	247,8	260	255	263	265,5	279	164,6	247,8	265,5	
Charac. 0,1 % proof force	F <sub>0,1</sub> min. (kN)	54	146	149	220	224	216	223	235,5	240	146	220	235,5	
Relaxation	0,7R <sub>m</sub> max. (%)	8	2,5									2		
Elongation	Agt min (%)	3,5												

## 3 wire strands

Standard		PN-88-01-97
Construction		3x2,8
Nominal diameter	(mm)	6,16
Tolerance on diameter of the wire	(mm)	±0,05
Nominal unit weight	(g/m)	144,9
Nominal tensile strength	(MPa)	1620
Nominal ductility (A100)	(%)	2,5

## Types of coils

Standard		3 wire strand	7 wire strands	
			D1100	D900
Inner diameter	(mm)	450	1500	900
Outer diameter	(mm)	700	1800-1900	1250-1300
Width	(mm)	500	300	750-760
Weight	(Kg)	500	1350-1450	2600

## Quality

