WR – bars

November 2011

diameters & weight

nom Ø [mm]	article-no.	max Ø [mm]	pitch [mm]	cross section [mm²]	weight [kg/m]
26.5	**26 WR ....**[1)]	31	13	552	4.48
32	**32 WR ....**[1)]	37	16	804	6.53
36	**36 WR ....**[1)]	42	18	1018	8.27
40	**40 WR ....**[1)]	46	20	1257	10.21
47	**47 WR ....**[1)]	53	21	1735	14.10

[1)] **0000** for stock lengths in to
[1)] **0002** for fix lengths in to
[1)] **0100** for fix lengths in m

strengths & loads

nom Ø [mm]	yield strength f_{yk} ($f_{p0.1k}$) [N/mm²]	ultimate strength f_{pk} [N/mm²]	yield load F_{yk} ($F_{p0.1k}$) [kN]	ultimate load F_{pk} [kN]
26.5	950	1050	525	580
32			760	845
36			960	1070
40			1190	1320
47			1650	1820

acc. to EN 10138-4

elongation, fatigue strength & Young's modulus

nom Ø [mm]	elongation at max. load A_{gt} [%]	elongation at rupture A_{10}[2)] [%]	fatigue resistance 2 σ_A [N/mm²]	Young's modulus [N/mm²]
26.5	≥ 5	≥ 7	180	205 000
32				
36				
40				
47			120	

[2)] gauge length = 10 · nom Ø