

PLAKA – TENSION BAR DWG

Tension bar for formwork panels

REF 04.03.01 - Version V02 – 19/03/2021



Description

Steel tension bars for formwork of high quality and with high strength. The bars are available in diameter 15.1mm, 20.0mm and 26.5 mm. It is a strong, self-cleaning thread, allowing an easy assembly and disassembly.

Application fields

The tension bar DWG is a steel bar with high strength with over its entire length ribs forming a strong thread. This bar is mostly used as tension bar for formwork.

The tension bar has a hot rolled thread over its entire length, allowing it to be cut to the desired length without affecting its use. The straight wire, with large thread lead very robust and self-cleaning, makes the installation on site easy.

Properties

Mechanical properties						
Core diameter	Nominal diameter of the bar	Section	Weight	Thread lead	Breaking load	Permissible load
mm	mm	mm ²	Kg/m	mm	kN	kN
15.1	17	177	1.44	10	176	90
20.0	23	314	2.56	10	300	150
26.5	30	551	4.48	13	570	250

The steel of the tension bars DWG is incompatible with any welding process, or brazing and temperature shock. Therefore the bars need to be protected - being put under tension or not - from all welding projection. If welding is needed, use welded bars DYS15, DYS20 or DYS26.

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Dimensions

The bars DWG are available in different standard lengths ranging from 1 to 6m, or at desired length. Longer bars can be produced on request. They can all be extended by mean of sleeves.

Dimensions of tension bars DWG Ø15.1mm		
Code	L (m)	Kg/pc
DY15100	1.00	1.44
DY15120	1.20	1.73
DY15125	1.25	1.80
DY15150	1.50	2.16
DY15200	2.00	2.88
DY15250	2.50	3.60
DY15300	3.00	4.32
DY15350	3.50	5.04
DY15400	4.00	5.76
DY15450	4.50	6.48
DY15500	5.00	7.20
DY15550	5.50	7.92
DY15600	6.00	8.64

Dimensions of tension bars DWG Ø20.0mm		
Code	L (m)	Kg/pc
DY20100	1.00	2.56
DY20120	1.20	3.07
DY20150	1.50	3.84
DY20200	2.00	5.12
DY20300	3.00	7.68
DY20600	6.00	15.36

Dimensions of tension bars DWG Ø26.5mm		
Code	L (m)	Kg/pc
DY26100	1.00	4.5
DY26200	2.00	9.0
DY26300	3.00	13.5
DY26600	6.00	27.0

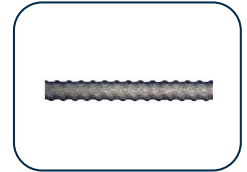
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Weldable tension bar DWG

Mechanical properties						
Core diameter	Nominal diameter of the bar	Section	Weight	Thread lead	Breaking load	Permissible load
mm	mm	mm ²	Kg/m	mm	kN	kN
15,1	18	189	1,48	10	165	81
20,0	24	326	2,56	10	285	140
26,5	30	580	4,56	13	500	240

Dimensions of weldable tension bars DWG		
Code	L (m)	Kg/pc
DYS15620	6.20	9.18
DYS20625	6.25	16.00
DYS26600	6.00	27.36

Other dimension on request