



JOINT

HIGH-TENSILE THREADED REBAR

# NEJI-TETSU-CON

SPEC - SS560:2016 Gr. 500&600 SIZE 20~40



TTK's NEJI-TETSU-CON is hot-rolled rebar conforming to SS560:2016 Gr.500 and Gr.600.

This rebar features threaded geometry on all over the surface. That allows it to be cut anywhere and joined each other easily with a coupler using the principle of screw.

# HIGH-TENSILE THREADED REBAR

## NEJI-TETSU-CON

### ■ Chemical Components

SPEC	GRADE	C	P	S	N	Cu	CEV*
SS560-2016	B500 (Product analysis)	0.24 And below	0.055 And below	0.055 And below	0.014 And below	0.85 And below	0.52 And below
	B600 (Product analysis)	0.32 And below	0.055 And below	0.055 And below	0.014 And below	0.85 And below	0.60 And below

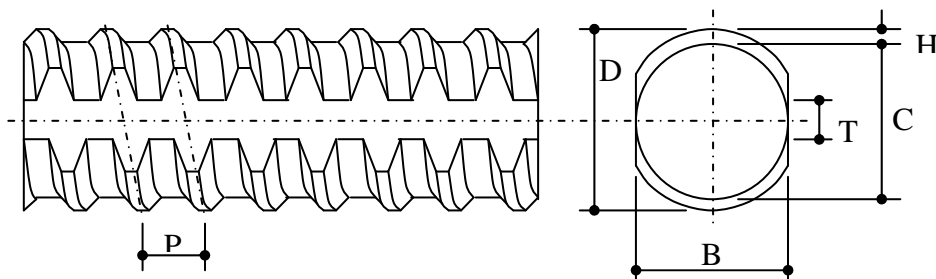
\*NEJI-TETSU-CON is manufactured purely by micro-alloying only.

### ■ Mechanical Properties

SPEC	GRADE	Yield Strength (N/mm <sup>2</sup> )	Tensile Strength Ratio	Total elongation at max. force (%)
SS560-2016	B500B	500 and over	1.08	5.0 and over
	B500C	500 and over	$\geq 1.15, < 1.35$	7.5 and over
	B600B	600 and over	1.08	5.0 and over
	B600C	600 and over	$\geq 1.15, < 1.35$	7.5 and over

### ■ Dimensions

BAR Size (mm)	Nominal dimension			Outside diameter D (mm)	Inside diameter		Dimension of transverse rib		Interspace of rib T×2 (mm)
	Diameter (mm)	Cross- Section area (mm <sup>2</sup> )	Unit weight (kg)		B (mm)	C (mm)	P (mm)	H (mm)	
20	20.0	314.0	2.466	22.4	18.3	18.8	8.0	1.80	8.6
25	25.0	491.0	3.854	28.1	22.9	23.5	10.0	2.30	10.6
32	32.0	804.0	6.313	35.7	29.3	29.9	13.0	2.90	11.9
40	40.0	1256.0	9.864	44.9	37.0	37.7	16.0	3.60	14.5



### Contact information

Tokyo Tekko Co., Ltd. Overseas Division  
 ADD : 11th Fl. Stage Bldg., 2-7-2 Fujimi, Chiyoda-ku, Tokyo 102-0071, Japan  
 TEL : +81-3-6272-3657 FAX : +81-3-5276-9713  
[http : //www.tokyotekko.co.jp](http://www.tokyotekko.co.jp)  
 E-mail : [ttk\\_overseas@tokyotekko.co.jp](mailto:ttk_overseas@tokyotekko.co.jp)