MECHANICAL ANCHORAGE

PLATE-NUT(S)

■ Mechanical Properties

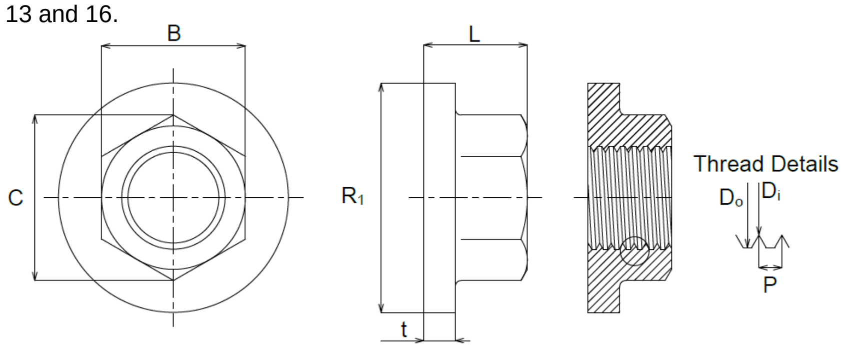
Standard	Grade	Hardness (HRC)	Approx. Tensile Strength (N/mm²)
JIS G 4051 (EN 10083)	S45C (C45)	22～30	785～951

■ Dimensions

(Unit:mm)

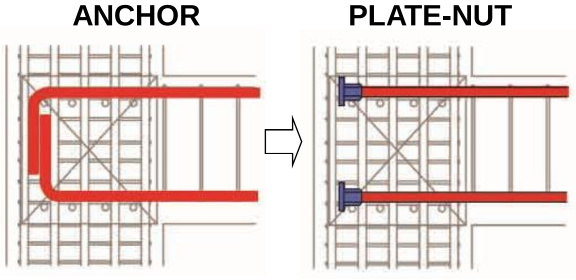
BAR Size	Plate		Nut		Length	Thread dimension			
	Diameter	thickness				Nominal Size	Pitch	Internal thread	
	R1	t	B	C	L			Di	Do
20	50	7	32	36	19	M24	3.0	20.752	24
25	65	9	41	46	24	M30	3.5	26.211	30
32	80	11	50	54	29	M36	4.0	31.670	36
40	100	16	63	69	36	M45	4.5	40.129	45

*Contact us for bar size 13 and 16.



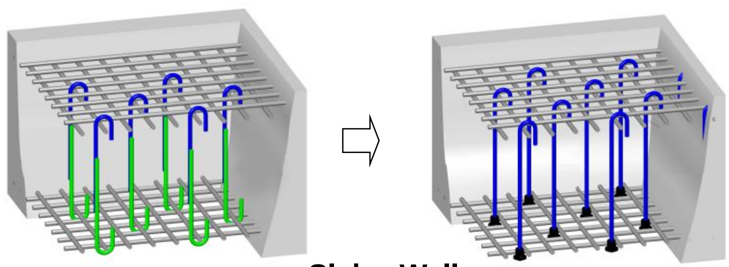
■ Example

ANCHOR　　PLATE-NUT



―Column・Beam―

HOOK　　PLATE-NUT



―Slab・Wall―

TTK

Contact information

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TTK JOINT

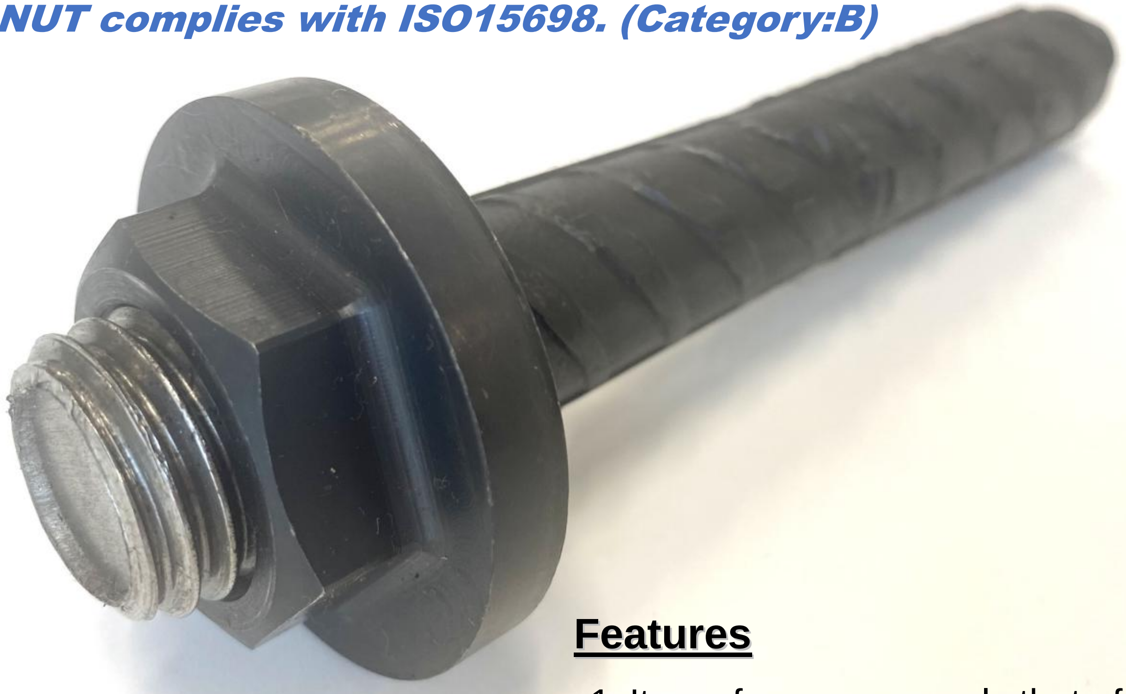
MECHANICAL ANCHORAGE

PLATE-NUT (S)

FOR REBAR TYPE – STRENGTH(MPa) 500&600 SIZE(mm) 13～40

The Plate-Nut Method is an innovative mechanical anchoring solution designed as an effective alternative to traditional L-shaped or hooked anchors. By enabling straight-bar anchorage, it streamlines rebar assembly, minimizes rebar congestion, boosts productivity, and enhances labour efficiency on construction sites.

PLATE-NUT complies with ISO15698. (Category:B)



Features

1. Its performance equals that of conventional anchorage systems.
2. Construction workability improves with reduced reinforcement congestion

[BEAM]

[COLUMN]

[SLAB]