

產品尺寸：

	光面鋼筋		竹節鋼筋
	直棒	盤元	
尺寸	$\phi$ 10- $\phi$ 36 mm	$\phi$ 10~ $\phi$ 36 mm	D10~D36 10 mm~40 mm
長度	6~12m	---	5.5~18m
盤捲方向	---	順時鐘	---
內徑	---	980 mm	---
外徑	---	1390 mm	---

產品標準規範及鋼種：

種類	標準規範	鋼種
光面鋼筋	CNS 560	SR240、SR300
		SD280、SD280W、SD420、SD420W、SD490W
竹節鋼筋	AS / NZS 4671	500N
	KS D 3504	SD400、SD500、SD600
	MS 146	B500B

化學成份：

光面與竹節鋼筋化學成份：

標準規範	鋼種	化學成份 (%)													
		碳	矽	錳	磷	硫	銅	鎳	鉻	鉬	釩	鋁	鈦	硼	碳當
CNS 560	SR240	---	---	---	0.060 ↓	0.060 ↓	---	---	---	---	---	---	---	---	---
	SR300	---	---	---	0.060 ↓	0.060 ↓	---	---	---	---	---	---	---	---	---
	SD280	---	---	---	0.060 ↓	0.060 ↓	---	---	---	---	---	---	---	---	---
	SD280W	0.33 ↓	0.55 ↓	1.56 ↓	0.043 ↓	0.053 ↓	---	---	---	---	---	---	---	---	0.55 ↓
	SD420	0.34 ↓	0.55 ↓	1.60 ↓	0.060 ↓	0.060 ↓	---	---	---	---	---	---	---	---	0.59 ↓
	SD420W	0.33 ↓	0.55 ↓	1.56 ↓	0.043 ↓	0.053 ↓	---	---	---	---	---	---	---	---	0.55 ↓
	SD490W	0.33 ↓	0.55 ↓	1.56 ↓	0.043 ↓	0.053 ↓	---	---	---	---	---	---	---	---	0.55 ↓
AS / NZS 4671	500N	0.24 ↓	---	---	0.055 ↓	0.055 ↓	---	---	---	---	---	---	---	---	0.46 ↓
KS D 3504	SD400	---	---	---	0.045 ↓	0.045 ↓	---	---	---	---	---	---	---	---	---
	SD500	---	---	---	0.040 ↓	0.040 ↓	---	---	---	---	---	---	---	---	---
	SD600	---	---	---	0.040 ↓	0.040 ↓	---	---	---	---	---	---	---	---	0.63 ↓
MS 146	B500B	0.24 ↓	---	---	0.055 ↓	0.055 ↓	0.85 ↓	---	---	---	---	---	---	---	0.52 ↓

註：碳當之計算公式

CNS 560 (C.E.) 計算公式： $(C + Mn/6 + Cu/40 + Ni/20 + Cr/10 - Mo/50 - V/10)\%$

AS / NZS 4671 (CEV)、KS D 3504 (Ceq) 與 MS 146 (Ceq) 計算公式： $(C + Mn/6 + Cr/5 + Mo/5 + V/5 + Ni/15 + Cu/15)\%$

機械性質：

光面鋼筋機械性質：

種類	標準規範	鋼種	降伏強度 (N/mm <sup>2</sup> )	抗拉強度 (N/mm <sup>2</sup> )	抗拉強度 / 降伏強度	試片	伸長率 (%)	彎曲性		
								彎曲角度	彎曲直徑	
光面鋼筋	CNS 560	SR240	240 ↑	380 ↑	---	NO.2	20 ↑	180°	---	標稱直徑之 3 倍
						NO.14A	22 ↑			
		SR300	300 ↑	480 ↑	---	NO.2	18 ↑	180°	---	標稱直徑之 4 倍

竹節鋼筋機械性質：

種類	標準規範	鋼種	降伏強度 (N/mm <sup>2</sup> )	抗拉強度 (N/mm <sup>2</sup> )	抗拉強度 / 降伏強度	試片	伸長率 (%)	彎曲性		
								彎曲角度	彎曲直徑	
竹節鋼筋	CNS 560	SD280	280 ↑	420 ↑	---	NO.2	18 ↑	180°	D16 ↓	標稱直徑之 3.5 倍
						NO.14A	19 ↑		D19 ↑	標稱直徑之 5 倍
		SD280W	280~380	420 ↑	1.25 ↑	NO.2	18 ↑	180°	D16 ↓	標稱直徑之 3 倍
						NO.14A	19 ↑		180°	D19~ D25
						NO.2	13 ↑	180°	D16 ↓	標稱直徑之 3.5 倍
									D19~ D25	標稱直徑之 5 倍
		NO.14A	14 ↑	180°	D29~ D36	標稱直徑之 7 倍				
					90°	D39 ↑	標稱直徑之 9 倍			
		SD420W	420~540	550 ↑	1.25 ↑	NO.2	13 ↑	180°	D16 ↓	標稱直徑之 3 倍
						NO.14A	14 ↑		180°	D19~ D25
						NO.2	13 ↑	180°	D29~ D36	標稱直徑之 6 倍
									D39 ↑	標稱直徑之 8 倍
	SD490W	490~615	620 ↑	1.25 ↑	NO.2	13 ↑	180°	D16 ↓	標稱直徑之 3 倍	
					NO.14A	14 ↑		180°	D19~ D25	標稱直徑之 4 倍
					NO.2	13 ↑	180°	D29~ D36	標稱直徑之 6 倍	
								D39 ↑	標稱直徑之 8 倍	
	AS / NZS 4671	500N	500~650	---	1.08 ↑	---	Agt 5 ↑	90°+90°	D16 ↓	標稱直徑之 4 倍
								180°	D20 ↑	標稱直徑之 4 倍
	KS D 3504	SD400	400~520	---	1.15 ↑	NO.2	16 ↑	180°	D10~ D32	標稱直徑之 2.5 倍
						NO.3	18 ↑			
		SD500	500~650	---	1.08 ↑	NO.2	12 ↑	90°	D25 ↓	標稱直徑之 2.5 倍
						NO.3	14 ↑		D29 ↑	標稱直徑之 3 倍
		SD600	600~780	---	1.08 ↑	NO.2	10 ↑	90°	D25 ↓	標稱直徑之 2.5 倍
						NO.3			D29 ↑	標稱直徑之 3 倍
MS 146	B500B	500~650	---	1.08 ↑	---	Agt 5 ↑	90°+20°	D16 ↓	標稱直徑之 4 倍	

									D20 ↑	標稱直徑之 7 倍
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產品用途：

種類	標準規範	用途
光面鋼筋	CNS 560	建築、隧道、橋樑、機場跑道等土木工程。
竹節鋼筋	CNS 560	
	AS / NZS 4671	
	KS D 3504	
	MS 146	



威致鋼鐵  
WEI CHIH STEEL