

MYUNGHWA

<http://www.mhs.co.kr>

FASTENING SYSTEM



(株)明和金属
MYUNGHWA METAL CO., LTD.



Company Profile

1961.01

Established Bumyang Metal Co.

范洋金属成立

1973.07

KOREA First Blind Rivet Produced

国内最初开发抽芯铆钉

1980.11

KOREA First Self Drilling Screw Produced

国内最初开发自钻自攻螺丝(Self Drilling Screw)

1990.05

Changed to Myunghwa Metal Co., Ltd

明和金属成立, 法人转换

1996.12

Acquired of the certificate of "New Technology"

获得NT(新技术证实)-头部造型机(产业资源部)

1997.05

"Acquired of the certificate of

"Excellent Machine"-Self Drilling Screw

获得EM(品质证实)-自钻自攻螺丝专用机(产业资源部)

1997.09

Chosen as Excellent Quality Company

(Korea Agency for Technology and Standard)

授与产业褒章奖(总统)

1997.11

Acquired of ISO 9002

(Small & Medium Business Administration)

KSA / ISO 9002证实(中小企业证实中心)

1998.03

Chosen as World best capital goods

(Ministry of Commerce, Industry and Energy)

指定世界优秀生产资料, <自攻螺丝>(产业资源部)

1999.01

Acquired of the certificate of "Excellent Machine" (Self Drilling Screw)

获得EM<品质证实>, <自攻螺丝>(产业资源部)

1999.06

Chosen as "Venture" (SMBA)

选定冒险企业(京畿地方中小企业厅)

2001.11

Acquired of the certificate "Korea world class product"

世界一流产品证实(产业资源部)

2002.09

Acquired of KSA / ISO 9001 (SMBA)

KSA / ISO 9001 证实(中小企业证实中心)

2004.08

Established Dongkang Myunghwa Metal Corp. in China

东港明和金属有限公司成立

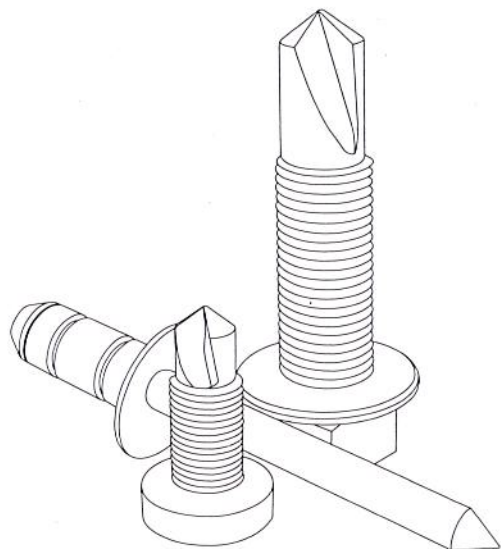
At present, we have about 200 patents

2005年现在著作权

(专利10件, 效用模型专利25件, 图案注册, 商标注册等 总200余件保有)



CEO Message



Since its establishment in 1961, **Myunghwa Metal Co., Ltd.** has produced bolts for Korean domestic automobiles, electronics and electric home appliances. In 1980, the company developed its self drilling screws and blind rivets with an extreme functionality, the first to do so in Korea. So, its products' application range has been diversified into the field of industrial equipment assembly as well as the steel structure building field.

Until now, we have acquired more than 200 domestic and foreign patents and approvals, mainly due to our sustained efforts for quality improvement and developing new technology. Currently, we provide the world's only product that can drill a 12mm thick steel plate within 10 seconds as well as being equipped with the needed production facilities whose annual output capacity is 10,000 tons.

Since we were selected as a Korean worldclass product by the Ministry of Commerce, Industry and Energy in 2001, then following that honor, there was the establishment of our independent corporation inside the China-Korea Special Economic Zone in Dong Gang, China in 2000, we, at Myunghwa Metal Co., Ltd. have always and constantly strived to secure a stable supply of our high quality products and to attain a competitive edge in a global market.

We promise to put our utmost efforts to being a reliable company by satisfying our customers' requirements.

(株)明和金属创造立于 1961年, 主要生产用于汽车、电子和家电用品的螺丝。1980年国内首次成功研发了功能极好的钻尾螺丝(Self Drilling Screw)和铆钉(Blind Rivet)。其事业范围已经扩大到钢铁结构件以及整个产业机器组装方面。目前, 通过不断的质量开发和研究, 获得了200多件国内外专利和认证。我们研发出的商品是世界唯一的, 10秒内可穿透12毫米厚的钢板。并且我们已经拥有可年均生产一万吨的生产设备。

2001年我们的商品被韩国产业资源部选定为世界一流化商品。2004年, 我们在东港经济开发区设立了独资法人公司。为了在国内市场稳定供应及在海外市场站稳脚跟, 我们作为国内的带头人, 将要付出更大的努力。并且为了获得客户信赖而听取职员以及所有广大客户的高见, 将要尽最大的努力。



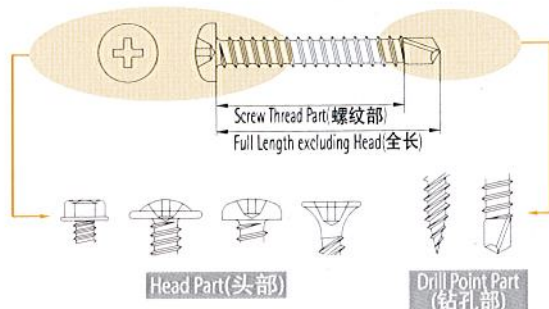
Product Guide

How To Select A Correct Screw (螺丝选择方法)

Where is it applied to? / 要用在哪里?

Joint Materials 沾接物	Steel 铁	Wood 木	Steel 铁	Aluminium 铝
Retaining Materials 支承物	Steel 铁	Steel 铁	Wood 木	Wood 木

Type of Screw Head and Drill Point, Length, Thickness(Outside Diameter)
/ 头部形状和刀, 长度, 直径 (外景)



Screw Bolt Material and Strength / 螺丝材质和强度

Screw Materials 支承物	Type 种类	Strength
Steel 铁	SWCH 18A, 22A	Strong 强
Stainless Steel 不锈钢	SUS 410	Strong 强
	SUS XM-7	Weak 弱
Torsional Strength 扭开	Tensile Value 拉力	Shear Value 切断力

Corrosion Resistance and Surface Treatment / 内部性质和表面处理

Major Surface Treatment Methods and Applications 表面处理方式和适用范围		
Type	Surface Treatment Methods	Applied Specifications
SWCH 18A SWCH 22A	Phosphate Coating/ 磷酸盐处理 Zinc Electroplating (White, Other Colors) 电镀镀金 (白色, 有色)	Indoor Specifications 室内使用
SUS 410	Clate Clate Coating/CLATE 表面处理 Zinc Electroplating (White)	Outdoor Specifications 室外使用
SUS XM-7	Surface Cleaning/ 表面洗涤	

Type of Screw Head / 螺丝头部种类



Type of Drill Point / 螺丝刀的种类

2-3PT	Sharp	4-5PT	Wing PT	Stitcher
Fastening the 1~6mm thick steel plate 1 ~ 6mm 铁板	Fastening the steel plate, wood panel or hinge of 1mm or less in thickness 1mm 以下木板	Fastening the steel plate of 6~12mm in thickness 6~12mm 铁皮联接	Fastening the wood to the steel plate 木+铁	Fastening and enforcing the wood and steel plate of 2mm or less in thickness 2mm 以下铁板联接性强化

Type of Screw Thread / 螺丝螺纹种类

Double Thread	Hi-Low Thread	Tapping Screw Thread	MS Screw Thread	Single Thread
A high fastening speed. It is used mostly for fastening thin steel plates. 锁紧速度快, 使用于薄铁板	A high screw thread is followed repeatedly by a low one. It is used in fastening thin steel plates or wood panels. 高和低螺纹交叉, 用于薄铁板或木板	It is the most usual type of thread and it is used in the fastening of 6mm or less thick steel plates. 最普通的产品, 用于6mm以下铁板	It is applied to fastening thick steel plates. 用于厚铁板	It is used mostly in fastening thin steel plates or plywood. 用于薄铁板或胶合板



Hex Washer S.D.S / 六角华司钻尾螺丝 #10

Item	Size	Application	Item	Size	Application
S1016 HW	#10 (4.8mm)×16mm	Steel Plate 铁板 1mm ~ 3mm	S1032 HW	#10 (4.8mm)×32mm	Steel Plate 铁板 1mm ~ 3mm
S1020 HW	#10 (4.8mm)×20mm		S1038 HW	#10 (4.8mm)×38mm	
S1025 HW	#10 (4.8mm)×25mm		S1050 HW	#10 (4.8mm)×50mm	



Hex Washer S.D.S / 六角华司钻尾螺丝 #12-3PT

Item	Size	Application	Item	Size	Application
S12020 HW	#12 (5.5mm)×20mm	Steel Plate 铁板 2mm ~ 6mm	S12075 HW	#12 (5.5mm)×75mm	Steel Plate 铁板 2mm ~ 6mm
S12025 HW	#12 (5.5mm)×25mm		S12100 HW	#12 (5.5mm)×100mm	
S12032 HW	#12 (5.5mm)×32mm		S12125 HW	#12 (5.5mm)×125mm	
S12050 HW	#12 (5.5mm)×50mm		S12150 HW	#12 (5.5mm)×150mm	
S12065 HW	#12 (5.5mm)×65mm				



Hex Washer S.D.S / 六角华司钻尾螺丝 #12-5PT

Item	Size	Application	Item	Size	Application
S12038 HW5P	#12 (5.5mm)×38mm	Steel Plate, Section Type of Steel, Steel Beam 铁板, 型钢, Steel Beam 6mm ~ 12mm	S12125 HW5P	#12 (5.5mm)×125mm	Steel Plate, Section Type of Steel, Steel Beam 铁板, 型钢, Steel Beam 6mm ~ 12mm
S12050 HW5P	#12 (5.5mm)×50mm		S12150 HW5P	#12 (5.5mm)×150mm	
S12075 HW5P	#12 (5.5mm)×75mm		S12180 HW5P	#12 (5.5mm)×185mm	
S12080 HW5P	#12 (5.5mm)×80mm		S12195 HW5P	#12 (5.5mm)×195mm	
S12100 HW5P	#12 (5.5mm)×100mm				



Hex Washer S.D.S / 六角华司钻尾螺丝 #14-3PT

Item	Size	Application	Item	Size	Application
S14020 HW	#14 (6.3mm) × 20mm	Steel Plate 铁板 2mm ~ 6mm	S14120 HW	#14 (6.3mm) × 120mm	Steel Plate 铁板 2mm ~ 6mm
S14025 HW	#14 (6.3mm) × 25mm		S14130 HW	#14 (6.3mm) × 130mm	
S14032 HW	#14 (6.3mm) × 32mm		S14150 HW	#14 (6.3mm) × 150mm	
S14050 HW	#14 (6.3mm) × 50mm		S14165 HW	#14 (6.3mm) × 165mm	
S14065 HW	#14 (6.3mm) × 65mm		S14180 HW	#14 (6.3mm) × 180mm	
S14075 HW	#14 (6.3mm) × 75mm		S14190 HW	#14 (6.3mm) × 190mm	
S14080 HW	#14 (6.3mm) × 80mm		S14200 HW	#14 (6.3mm) × 200mm	
S14090 HW	#14 (6.3mm) × 90mm		S14210 HW	#14 (6.3mm) × 210mm	
S14100 HW	#14 (6.3mm) × 100mm		S14230 HW	#14 (6.3mm) × 230mm	
S14110 HW	#14 (6.3mm) × 110mm				

Product Guide

Hex Washer S.D.S / 六角华司钻尾螺丝 # 14-5PT



Item	Size	Application	Item	Size	Application
S14038 HW5P	#14 (6.3mm)×38mm	Steel Plate, Section Type of Steel, Steel Beam 铁板, 型钢, Steel Beam 6mm ~ 12mm	S14130 HW5P	#14 (6.3mm)×130mm	Steel Plate, Section Type of Steel, Steel Beam 铁板, 型钢, Steel Beam 6mm ~ 12mm
S14050 HW5P	#14 (6.3mm)×50mm		S14150 HW5P	#14 (6.3mm)×150mm	
S14080 HW5P	#14 (6.3mm)×80mm		S14180 HW5P	#14 (6.3mm)×180mm	
S14100 HW5P	#14 (6.3mm)×100mm		S14210 HW5P	#14 (6.3mm)×210mm	
S14120 HW5P	#14 (6.3mm)×120mm				

Drywall Screw Fine Thread / 喇叭头细牙尖尾螺丝



Item	Size	Application	Item	Size	Application
D0620 BH	#6 (3.5mm)×20mm	Steel Plate, Under 1.0mm Thickness + Plaster Board 1mm以下铁板 + 石膏板	D0641 BH	#6 (3.5mm)×41mm	Steel Plate, Under 1.0mm Thickness + Plaster Board 1mm以下铁板 + 石膏板
D0625 BH	#6 (3.5mm)×25mm		D0650 BH	#6 (3.5mm)×50mm	
D0632 BH	#6 (3.5mm)×32mm		D0864 BH	#8 (4.2mm)×64mm	
D0638 BH	#6 (3.5mm)×38mm		D0875 BH	#8 (4.2mm)×75mm	

Drywall Screw Coarse Thread / 喇叭头粗牙尖尾螺丝



Item	Size	Application	Item	Size	Application
D0620 BH C0	#6 (3.9mm)×20mm	Steel Plate, Under 1.0mm Thickness + Plaster Board 1mm以下铁板 + 石膏板	D0650 BH C0	#6 (3.9mm)×50mm	Steel Plate, Under 1.0mm Thickness + Plaster Board 1mm以下铁板 + 石膏板
D0625 BH C0	#6 (3.9mm)×25mm		D0864 BH C0	#8 (4.8mm)×64mm	
D0632 BH C0	#6 (3.9mm)×32mm		D0875 BH C0	#8 (4.8mm)×75mm	
D0638 BH C0	#6 (3.9mm)×38mm		D1090 BH C0	#10 (5.2mm)×90mm	
D0641 BH C0	#6 (3.9mm)×41mm				

Bugle Head Hi-Lo Thread S.D.S / 喇叭头高低牙钻尾螺丝



Item	Size	Application	Item	Size	Application
S0620 BH HL	#6 (3.5mm)×20mm	Steel Plate 铁板 0.6mm ~ 2mm	S0641 BH HL	#6 (3.5mm)×41mm	Steel Plate 铁板 0.6mm ~ 2mm
S0625 BH HL	#6 (3.5mm)×25mm		S0650 BH HL	#6 (3.5mm)×50mm	
S0632 BH HL	#6 (3.5mm)×32mm		S0864 BH	#8 (4.2mm)×64mm	
S0638 BH HL	#6 (3.5mm)×38mm		S0875 BH	#8 (4.2mm)×75mm	



Flat Head S.D.S / 沉头十字钻尾螺丝

Item	Size	Application	Item	Size	Application
S0813 FH	#8 (4.2mm)×13mm	Steel Plate 铁板 0.6mm ~ 2mm	S0841 FH	#8 (4.2mm)×41mm	Steel Plate 铁板 0.6mm ~ 2mm
S0816 FH	#8 (4.2mm)×16mm		S0850 FH	#8 (4.2mm)×50mm	
S0820 FH	#8 (4.2mm)×20mm		S0864 FH	#8 (4.2mm)×64mm	
S0823 FH	#8 (4.2mm)×25mm		S0875 FH	#8 (4.2mm)×75mm	
S0832 FH	#8 (4.2mm)×32mm		S0890 FH	#8 (4.2mm)×90mm	
S0838 FH	#8 (4.2mm)×33mm		S08100 FH	#8 (4.2mm)×100mm	



Flat Head S.T.S / 沉头十字尖尾螺丝

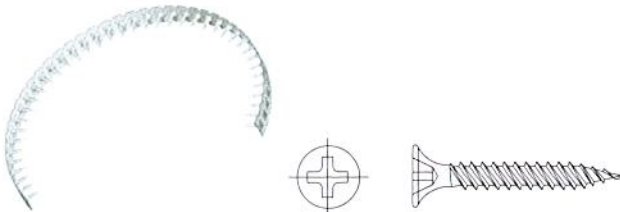
Item	Size	Application	Item	Size	Application
FH410 FH	4.0mm×10mm	Steel Plate Under 1.0mm Thickness / 1mm以下铁板 + Plaster Board / 石膏板	FH432 FH	4.0mm × 32mm	Steel Plate Under 1.0mm Thickness / 1mm以下铁板 + Plaster Board / 石膏板
FH412 FH	4.0mm×12mm		FH438 FH	4.0mm × 38mm	
FH416 FH	4.0mm×16mm		FH450 FH	4.0mm × 50mm	
FH420 FH	4.0mm×20mm		FH465 FH	4.0mm × 60mm	
FH425 FH	4.0mm×25mm		FH475 FH	4.0mm × 75mm	

Collated Screw / 自动连发螺丝 (automatic continuous setting of pieces)



Wafer Flat and Bugle Hi-Lo S.D.S / 威华头 沉头 和 喇叭头高低牙钻尾螺丝

Item	Size	Application	Item	Size	Application
S0316 WF	#3 (3mm) × 16mm	Steel Plate 铁板 0.6mm ~ 2mm	S0625 BH HL	#6 (3.5mm)× 25mm	Steel Plate 铁板 0.6mm ~ 2mm
S0318 WF	#3 (3mm) × 18mm		S0632 BH HL	#6 (3.5mm)× 32mm	
S0320 WF	#3 (3mm) × 20mm		S0638 BH HL	#6 (3.5mm)× 38mm	
			S0641 BH HL	#6 (3.5mm)× 41mm	



Drywall Screw / 干壁钉螺丝

Item	Size	Application	Item	Size	Application
D0620 BH	#6 (3.5mm) × 20mm	Steel Plate Under 1.0mm Thickness / 1mm以下铁板 + Plaster Board / 石膏板	D0638 BH	#6 (3.5mm) × 38mm	Steel Plate Under 1.0mm Thickness / 1mm以下铁板 + Plaster Board / 石膏板
D0625 BH	#6 (3.5mm) × 25mm		D0641 BH	#6 (3.5mm) × 41mm	
D0632 BH	#6 (3.5mm) × 32mm				

Product Guide

Pan Washer S.D.S / 十字圆头华司钻尾螺丝



Item	Size	Application	Item	Size	Application
S0810 PW	#8 (4.2mm) × 10mm	Steel Plate 铁板 0.6mm ~ 2mm	S0875 PW	#8 (4.2mm) × 75mm	Steel Plate 铁板 0.6mm ~ 2mm
S0813 PW	#8 (4.2mm) × 13mm		S0890 PW	#8 (4.2mm) × 90mm	
S0816 PW	#8 (4.2mm) × 16mm		S08100 PW	#8 (4.2mm) × 100mm	
S0820 PW	#8 (4.2mm) × 20mm		S1013 PW	#10 (4.8mm) × 13mm	
S0825 PW	#8 (4.2mm) × 25mm		S1016 PW	#10 (4.8mm) × 16mm	
S0832 PW	#8 (4.2mm) × 32mm		S1020 PW	#10 (4.8mm) × 20mm	
S0838 PW	#8 (4.2mm) × 38mm		S1025 PW	#10 (4.8mm) × 25mm	
S0841 PW	#8 (4.2mm) × 48mm		S1038 PW	#10 (4.8mm) × 38mm	
S0850 PW	#8 (4.2mm) × 50mm		S1050 PW	#10 (4.8mm) × 50mm	
S0864 PW	#8 (4.2mm) × 64mm				

Pan Head S.D.S / 十字圆头钻尾螺丝



Item	Size	Application	Item	Size	Application
S0810 PH	#8 (4.2mm) × 10mm	Steel Plate 铁板 0.6mm ~ 2mm	S0841 PH	#8 (4.2mm) × 45mm	Steel Plate 铁板 0.6mm ~ 2mm
S0813 PH	#8 (4.2mm) × 13mm		S0850 PH	#8 (4.2mm) × 50mm	
S0816 PH	#8 (4.2mm) × 16mm		S0864 PH	#8 (4.2mm) × 64mm	
S0820 PH	#8 (4.2mm) × 20mm		S0875 PH	#8 (4.2mm) × 75mm	
S0825 PH	#8 (4.2mm) × 25mm		S0890 PH	#8 (4.2mm) × 90mm	
S0832 PH	#8 (4.2mm) × 32mm		S08100 PH	#8 (4.2mm) × 100mm	
S0838 PH	#8 (4.2mm) × 38mm				

Steel House (轻量型钢结构)



Item	Size	Application	Item	Size	Application
T0816 PWSH	#8 (4.2mm) × 16mm	Steel Plate Under 1.0mm Thickness / 1mm 以下铁板	T0825 PWSH	#8 (4.2mm) × 25mm	Steel Plate Under 1.0mm Thickness / 1mm 以下铁板
T0820 PWSH	#8 (4.2mm) × 20mm				



Item	Size	Application	Item	Size	Application
S1016 HWSH	#10 (4.8mm) × 16mm	Steel Plate / 铁板 1mm ~ 2mm	S1025 HWSH	#10 (4.8mm) × 25mm	Steel Plate / 铁板 1mm ~ 2mm
S1020 HWSH	#10 (4.8mm) × 20mm				



Item	Size	Application	Item	Size	Application
S0813 PWSHW	#8 (4.2mm) × 13mm	Steel Plate / 铁板 1mm ~ 2mm	S1016 PWSH	#10 (4.8mm) × 16mm	Steel Plate / 铁板 1mm ~ 2mm
S0816 PWSHW	#8 (4.2mm) × 16mm		S1020 PWSH	#10 (4.8mm) × 20mm	
S0820 PWSHW	#8 (4.2mm) × 20mm		S1025 PWSH	#10 (4.8mm) × 25mm	
			S1032 PWSH	#10 (4.8mm) × 32mm	
			S1050 PWSH	#10 (4.8mm) × 50mm	

Stainless S.D.S (不锈钢钻尾螺丝) (SUS410, SUSXM-7)



Flat Head S.D.S / 沉头十字钻尾螺丝

Item	Size	Application	Item	Size	Application
ST0813 FH	#8 (4.2mm) × 13mm	Steel Plate 铁板 0.6mm ~ 2mm / PVC	ST0832 FH	#8 (4.2 mm) × 32mm	Steel Plate 铁板 0.6mm ~ 2mm / PVC
ST0816 FH	#8 (4.2mm) × 16mm		ST0838 FH	#8 (4.2 mm) × 38mm	
ST0820 FH	#8 (4.2mm) × 20mm		ST0850 FH	#8 (4.2 mm) × 50mm	
ST0825 FH	#8 (4.2mm) × 25mm		ST0875 FH	#8 (4.2 mm) × 75mm	



Pan Washer S.D.S / 十字圆头华司钻尾螺丝

Item	Size	Application	Item	Size	Application
ST0813 PW	#8 (4.2mm) × 13mm	Steel Plate 铁板 0.6mm ~ 2mm / PVC	ST0832 PW	#8 (4.2 mm) × 32mm	Steel Plate 铁板 0.6mm ~ 2mm / PVC
ST0816 PW	#8 (4.2mm) × 16mm		ST0838 PW	#8 (4.2 mm) × 38mm	
ST0820 PW	#8 (4.2mm) × 20mm		ST0850 PW	#8 (4.2 mm) × 50mm	
ST0825 PW	#8 (4.2mm) × 25mm		ST0875 PW	#8 (4.2 mm) × 75mm	



Pan Head S.D.S / 十字圆头钻尾螺丝

Item	Size	Application	Item	Size	Application
ST0813 PH	#8 (4.2mm) × 13mm	Steel Plate 铁板 0.6mm ~ 2mm / PVC	ST0832 PH	#8 (4.2 mm) × 32mm	Steel Plate 铁板 0.6mm ~ 2mm / PVC
ST0816 PH	#8 (4.2mm) × 16mm		ST0838 PH	#8 (4.2 mm) × 38mm	
ST0820 PH	#8 (4.2mm) × 20mm		ST0850 PH	#8 (4.2 mm) × 50mm	
ST0825 PH	#8 (4.2mm) × 25mm		ST0875 PH	#8 (4.2 mm) × 75mm	



Hex Washer S.D.S / 六角华司钻尾螺丝 #14-3PT

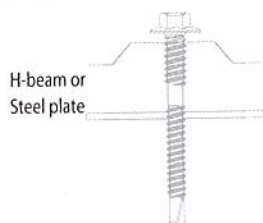
Item	Size	Application	Item	Size	Application
ST14020 HW	#14 (6.3mm) × 20mm	Steel Plate 铁板 2mm ~ 6mm	ST140120 HW	#14 (6.3mm) × 120mm	Steel Plate 铁板 2mm ~ 6mm
ST14025 HW	#14 (6.3mm) × 25mm		ST140130 HW	#14 (6.3mm) × 130mm	
ST14032 HW	#14 (6.3mm) × 32mm		ST140150 HW	#14 (6.3mm) × 150mm	
ST14050 HW	#14 (6.3mm) × 50mm		ST140180 HW	#14 (6.3mm) × 180mm	
ST14080 HW	#14 (6.3mm) × 80mm				

Other Forms of the Stainless SDS can be produced.

可生产其他不锈钢自钻自攻螺丝类

Product Guide

Special S.D.S 特殊性能自钻自攻螺丝



It fastens the C-shaped steel plate or the H-beam with a thickness ranging from 3mm to 12mm
3mm以上12mm厚度的型钢或H-型钢使用

Hex Washer High-Thread S.D.S / 六角华司双层牙自钻自攻螺丝 3PT

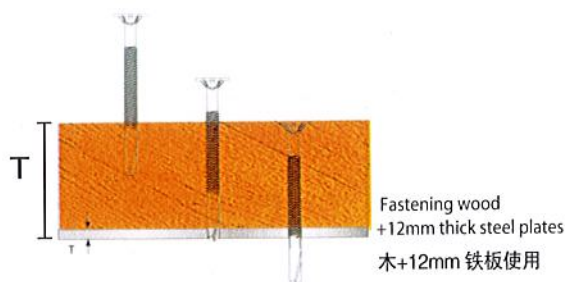


Item	Size	Application	Item	Size	Application
S14056 HWHT	#12/14(5.5/6.3mm)×56mm	Panel + 3mm thick C-shaped steel plates / 3mmC 铁板	S14115 HWHT	#12/14(5.5/6.3mm)×115mm	Panel + 3mm thick C-shaped steel plates / 3mmC 铁板
S14065 HWHT	#12/14(5.5/6.3mm)×65mm		S14125 HWHT	#12/14(5.5/6.3mm)×125mm	
S14076 HWHT	#12/14(5.5/6.3mm)×76mm		S14150 HWHT	#12/14(5.5/6.3mm)×150mm	
S14100 HWHT	#12/14(5.5/6.3mm)×100mm				

Hex Washer High-Thread S.D.S / 六角华司双层牙自钻自攻螺丝 3PT



Item	Size	Application	Item	Size	Application
S14076 HWHTSP	#12/14(5.5/6.3mm)×76mm	Panel + 12mm Steel Plate, Section Type of Steel, Steel plates / 12mm 铁板-型钢 Steel Beam	S14015 HWHTSP	#12/14(5.5/6.3mm)×115mm	Panel + 12mm Steel Plate, Section Type of Steel, Steel plates / 12mm 铁板-型钢 Steel Beam
S14090 HWHTSP	#12/14(5.5/6.3mm)×90mm		S14025 HWHTSP	#12/14(5.5/6.3mm)×125mm	
S14000 HWHTSP	#12/14(5.5/6.3mm)×100mm		S14050 HWHTSP	#12/14(5.5/6.3mm)×150mm	



Wing Drill Wafer S.D.S 3PT/ 威华头有翼自钻自攻螺丝 3PT



Item	Size	Application	Item	Size	Application
S10038 FHWI	#10 (4.8mm) × 38mm	Wood / 木 + Steel Plate / 铁板 2mm ~ 4mm	S12100 FHWI	#12 (5.5mm) × 100mm	Wood / 木 + Steel Plate / 铁板 2mm ~ 4mm
S12050 FHWI	#12 (4.8mm) × 50mm		S12115 FHWI	#12 (5.5mm) × 115mm	
S12065 FHWI	#12 (4.8mm) × 65mm		S12125 FHWI	#12 (5.5mm) × 125mm	
S12085 FHWI	#12 (4.8mm) × 85mm		S12150 FHWI	#12 (5.5mm) × 150mm	

Wing Drill Wafer S.D.S 5PT / 威华头有翼自钻自攻螺丝 5PT

Item	Size	Application	Item	Size	Application
S12065 FHWIS	#12 (5.5mm)×65mm	Wood / 木	S12115 FHWIS	#12 (5.5mm)×115mm	Wood / 木
S12085 FHWIS	#12 (5.5mm)×85mm	+6~12mm Steel Plate, Section Type of Steel, Steel Beam, 铁板, 型钢, Steel Beam / 12mm	S12125 FHWIS	#12 (5.5mm)×125mm	+6~12mm Steel Plate, Section Type of Steel, Steel Beam, 铁板, 型钢, Steel Beam / 12mm
S12100 FHWIS	#12 (5.5mm)×100mm		S12150 FHWIS	#12 (5.5mm)×150mm	

The wing falls off upon touching the steel plate.

翼是跟铁板结合时被去掉。

Please describe the color (Y.B.W.DT) in ordering the products, and don't forget to ask us about the specifications or products, if any, not specified in the list.

商品订货时, 注明颜色 (Y.B.W.DT), 没有记载规格的产品可向厂方咨询。

Automobile Bolt (자동차용 볼트)

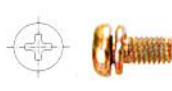
We produce high-precision bolts that are used for various kinds of industries including those for Renault-Samsung Motors.

三星汽车用螺栓外各种产业用的高精密螺栓生产。

■ Screw (头部模样别 螺丝)



Oval



Pan



Flat



Truss

■ Tapping Screw (自攻螺丝类)



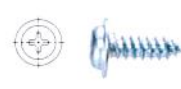
Hex Washer



Hexflg



Pan



Pan washer



Truss



Bind



Truss



Flat



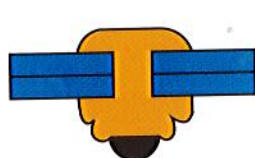
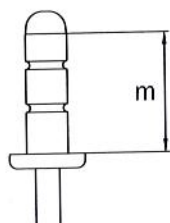
Oval



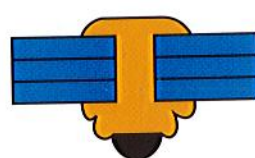
Hexflg-FT

Product Guide

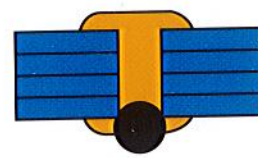
Blind Rivet (抽芯铆钉)



2mm



3mm



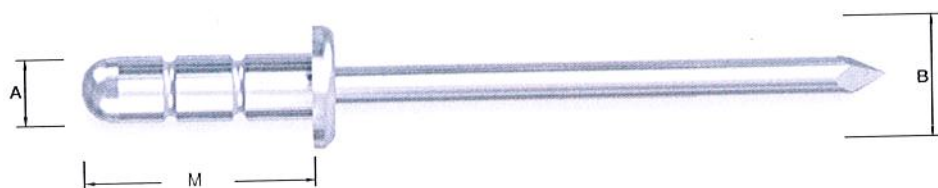
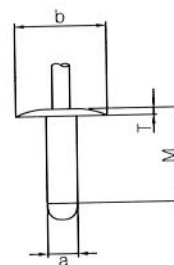
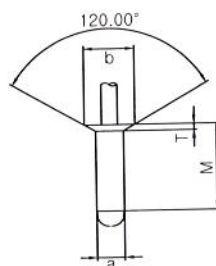
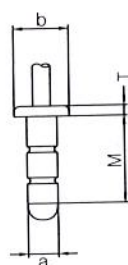
5mm

Item 种类	Rivets 铆钉头部	Rivets Tip(Mandrel) 铆钉本体	Item 种类	Rivets 铆钉头部	Rivets Tip(Mandrel) 铆钉本体
Aluminium Rivets 铝铆钉	Aluminium	Carbon Steel	Stainless Steel Rivets 不锈钢铆钉	Stainless Steel	Stainless Steel
Steel Rivets 铁铆钉	Low Carbon Steel	Carbon Steel	Copper Rivets 铜铆钉	Copper	Stainless Steel

Please decide on the kind of rivet according to the fastening material.
The special plating in black, bronze, zinc white, yellow and etc. depending upon the user's requirements can be done.

根据连接材质来选择铆钉

按用户的要求镀黑色、青铜色、白铅色、黄色等选择。



Item 种类	Diameter 外径	length 长度	Recommended Joining Limits 沾接范围	Drill Hole Diameter 锥子直径
B3208	3.2 mm	8 mm	2.5 mm ~ 4.0 mm	Ø 3.3 ~ 3.4
B4010	4.0 mm	10 mm	3.5 mm ~ 5.0 mm	Ø 4.1 ~ 4.2
B4811	4.8 mm	11 mm	4.0 mm ~ 5.5 mm	Ø 4.9 ~ 5.0
B4816	4.8 mm	16 mm	7.5 mm ~ 9.5 mm	Ø 4.9 ~ 5.0
B5025	5.0 mm	25 mm	14 mm ~ 17 mm	Ø 5.1 ~ 5.2
B5525	5.5 mm	25 mm	14 mm ~ 17 mm	Ø 5.6 ~ 5.7
B6325	6.3 mm	25 mm	14 mm ~ 17 mm	Ø 6.4 ~ 6.5

Other Products 其他产品



Water Proof S.D.S / 防锈自钻自攻螺丝

Item	Size	Application	Item	Size	Application
S1020 PWLW	#10 (4.8 mm) × 20mm	Steel Plate / 铁板 1mm ~ 2mm	S1032 PWLW	#10 (4.8 mm) × 32mm	Steel Plate / 铁板 1mm ~ 2mm
S1025 PWLW	#10 (4.8 mm) × 25mm				

Colored Pan Washer S.D.S / 彩色自钻自攻螺丝

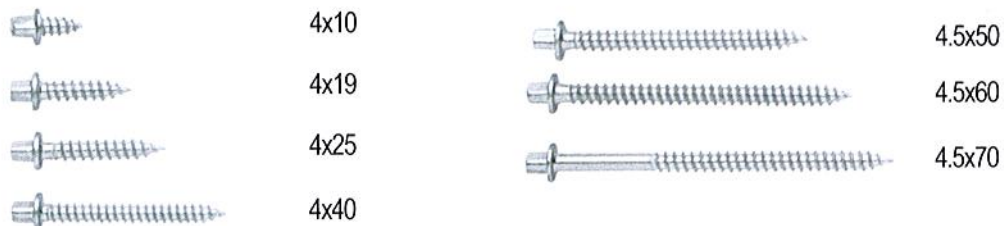
Item	Size	Application	Colors
0816 PW	#8 (4.2mm) × 16mm	内装漆用	Ivory, Blue, Green, White, Grey / 象牙色, 青色, 绿色, 白色, 灰色



Anchor/ 壁虎



Triangular Head Tapping Screw/ 头部



Product Guide

Reference for S.D.S (自钻自攻螺丝参考资料)

Mechanical Features / 机械性质

1. Strength Characteristics & Physical Properties / 结合力 & 物理性质



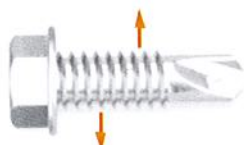
Torsional Strength / 扭曲强度

Diameters/外径 (mm)	3.5	4.2	4.8	5.5	6.3
Allowances/ 许可值 kgf·cm (Nm)	27.5 (2.7)	44.9 (4.4)	64.2 (6.3)	102 (10.0)	139 (13.6)



Tensile Values / 拉力强度

Diameters/外径 (mm)	3.5	4.2	4.8	5.5	6.3
Allowances/ 许可值 kgf (N)	505 (4960)	701 (6860)	986 (9670)	1503 (14740)	1850 (20300)



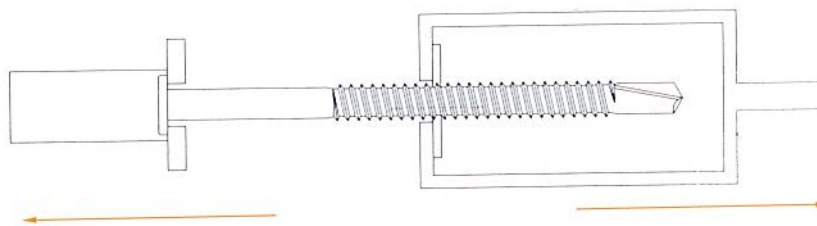
Shear Values / 切断强度

Diameters/外径 (mm)	3.5	4.2	4.8	5.5	6.3
Allowances/ 许可值 kgf (N)	292 (2860)	433 (4250)	656 (6430)	934 (9160)	1159 (11366)

2. Pull-Out Test

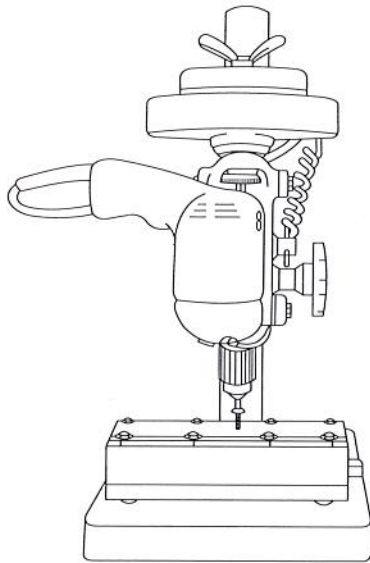
Please apply an up and down force to the jig fitted with a screw, and measure the force to be striped out of the substract.

工具上卡螺丝后上下加力，
这时候测定螺丝在铁板上出来力量。



		(kgf)				
Thickness / 铁板厚度 (mm)	Diameters / 外径 (mm)	3.5	4.2	4.8	5.5	6.3
1.2		127	124			
1.6		186	199	224	240	
2.3		470	499	580	547	575
3.2			696	819	807	827
4.5				996	1221	1212
6.0						1646

3. Drill Drive Test / 钻孔试验

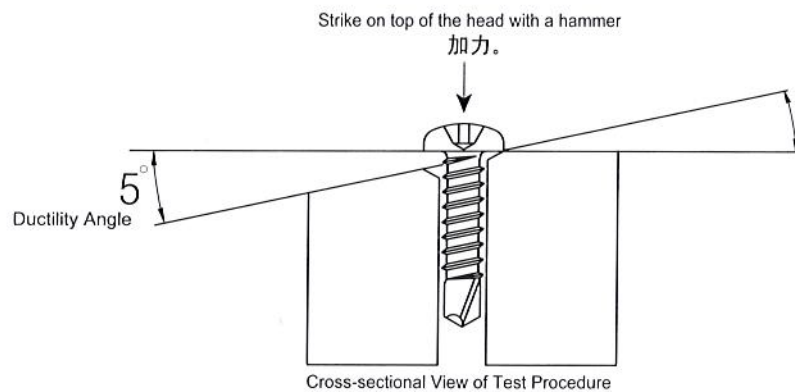


4. Inspection of the Hardness and Case Depth

/ 硬度及浸碳深度检查

- Hardness / 硬度检查
Surface Hardness Test, Core Hardness Test
/ 表面硬度, 深部(中心)硬度测定
- Case Depth / 浸碳深度

5. Ductility Test / 头部冲击试验



Surface Treatment System / 表面处理体系

1. Surface treatments via the application / 适用用途来表面处理

Surface Treatment Specifications / 表面处理项目	Black Phosphate / 磷酸盐皮膜	Zinc Clear / 白色镀金	Zinc Yellow / 有色镀金	Megni Coating / Megni 涂层
Applications 适用	Used in painting over the screws ex) A place which is to be painted after the fabrication of inner walls is completed 螺丝上涂料时 列) 内壁装配后涂料处	Used in doing indoor work ex) Finishing of Interior Work 室内工程时使用 列) 内装工程收尾材料	Used in assembling the caps for outdoor use and in a form of molding pieces, for both indoors and outdoors general specifications ex) the fabrications of external walls of the building and the roof panels 室内, 外一般用途来如室外使用加防水帽, 射出形态使用 列) 建筑外壁, 屋顶装配	A place which needs high corrosion resistance 耐腐蚀性要求高的地方