

JCY

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specification





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www.jcy.com.tw | www.jcyscrews.com

CE Marking



Masterpiece Hardware Industrial Co., Ltd. is a manufacturer of screws, wall plugs and anchors of high quality. We focus on construction and DIY market fasteners.

The company was started in 1985 in central part of Taiwan, and since 2003 is run by the sons of the founder who even further expanded the company's capabilities. By 2010 company grown so much, it moved to a newly build plant, with big warehousing area, modernized packaging site and manufacturing line.

This plant has also a newly prepared modern laboratory for quality testing, in which professional equipment allows the company to build strong quality of fasteners that clients can rely on.

Another important aspect, to stabilize and prove the quality of Masterpiece's products, where implementation of ISO 9001 management system, with many quality procedures it brought. That happened in 2005, and since then the company is audited twice a year by the SGS. Currently Masterpiece is ISO9001:2008 certified.

In 2012 the company successfully applied for EN 14566 and EN 14592 conformity certification, which allowed us to mark drywall and chipboard screws with CE mark.

Furthermore, for Canadian market we have been granted anti-dumping tax extension (so called Normal Values) for over 3000 items, letting us sell screws to Canada at a very competitive price.

Masterpiece's fasteners are structurally sound, cost-effective, and aesthetically pleasing. Unusual materials and designs are our specialty. We have professional and experienced research and development team that can help our clients to design the best screw for their actual application. It's enough if the client will let us know his idea, or application he needs the fastener for, or even show us some sample, and based on that we can suggest the most reliable solution.

One of the professional services you will get as our customer is excellent packaging choice. We have years of experience in supplying for DIY markets, which made us understand the packaging for fasteners very well. You have wide choice of carton, plastic or even metal pack options for your products. To keep the quality high at low cost we invested a lot in automatic state of art packaging lines. Also, we have designed and patented some packaging ideas by ourselves. Thanks to that we can offer you shelf-ready products.



The CE marking is a key indicator of a product's compliance with EU legislation and enables the free movement of products within the European market. The CE marking can actually be considered to be a quality mark since it follows the strict testing regulations of European norms. The CE marking is mandatory for certain product groups in the European Economic Area (EEA), consisting of the 27 Member States of the EU and EFTA countries Iceland, Norway, Switzerland and Liechtenstein.

Our company since 2012 has successfully applied for two certifications of conformity with EN 14592:2008+A1-2012 and EN 14566:2008+A1-2009. This allows us to sell majority of our screws (both of carbon and stainless steel) with CE mark on the packaging, which will be a requirement in many EU countries starting in 2013.

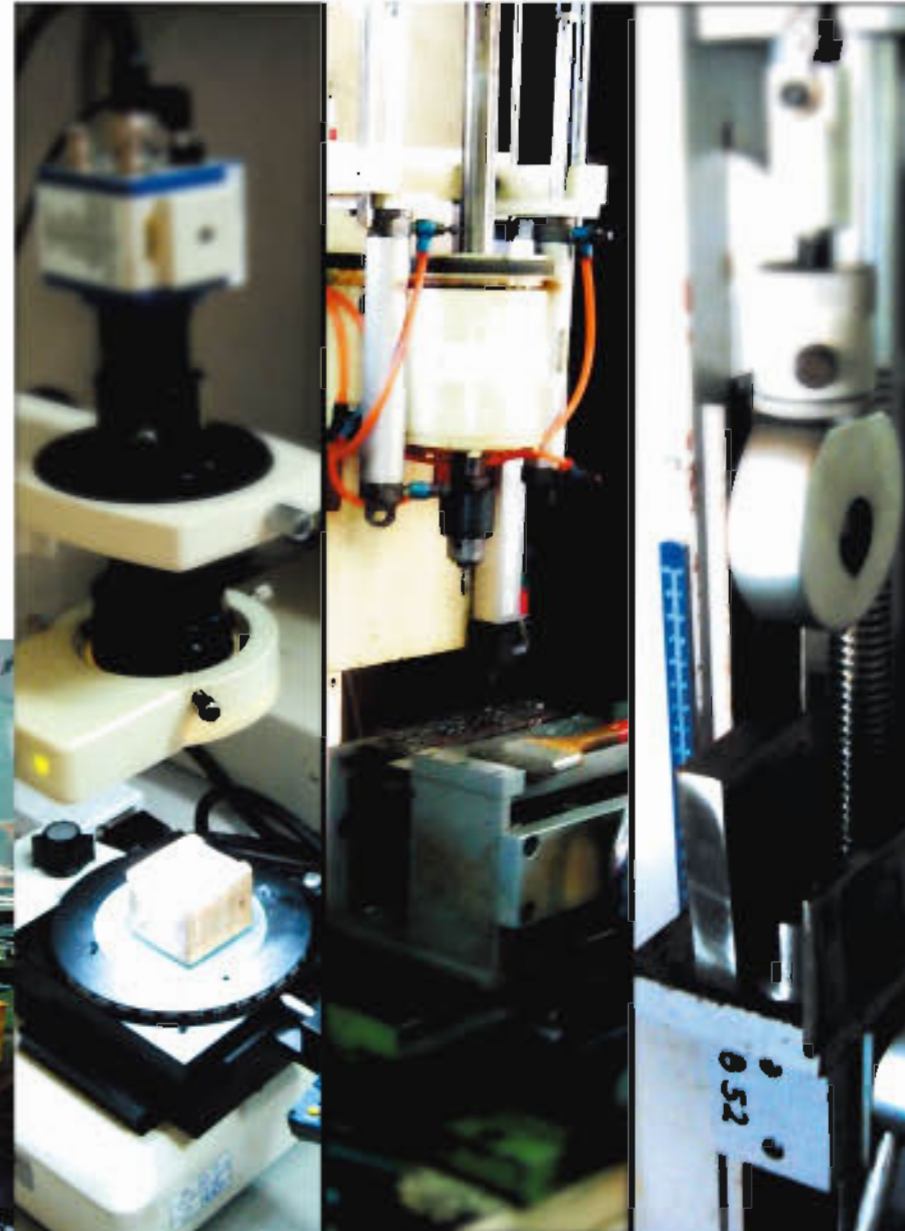
Be prepared for new regulations and cooperate with Masterpiece Hardware. We already have experience of shipments with CE marked screws! If you have any questions about it - don't hesitate and contact us.



Masterpiece Capability

Manufacturing Facility

Masterpiece Hardware's manufacturing operations are centered around a modern 2000 square foot facility located in Chunghua Taiwan. In our facilities, 100 sets of heading and thread rolling machines ensure a monthly capacity of up to 700 metric tons. We combine this mass production with thorough Q.C. procedures, providing testing reports upon request. Also, samples can be ready upon client's request within 10 days. To add on, our factory is also equipped with innovative automatic-packaging lines and quality control equipment, to ensure fully finished end-products for our clients.



Computer Aided Design

Masterpiece hardware typically works with standard, customer-supplied, or own technical drawings. We are capable of providing complete product design solution utilising the latest state-of-the-art CAD/CAM systems. All engineering technical support services can be executed through the Internet and confirmed by samples.



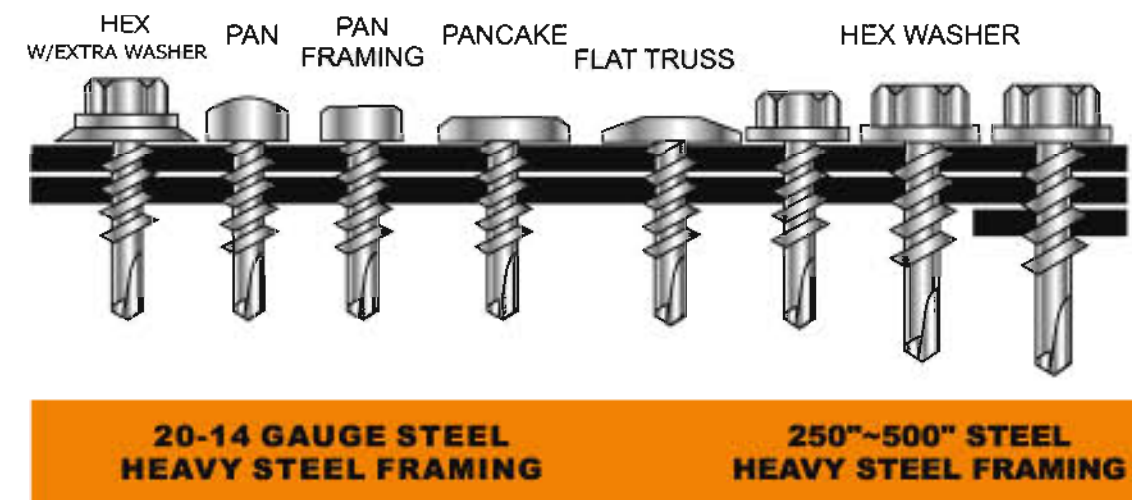
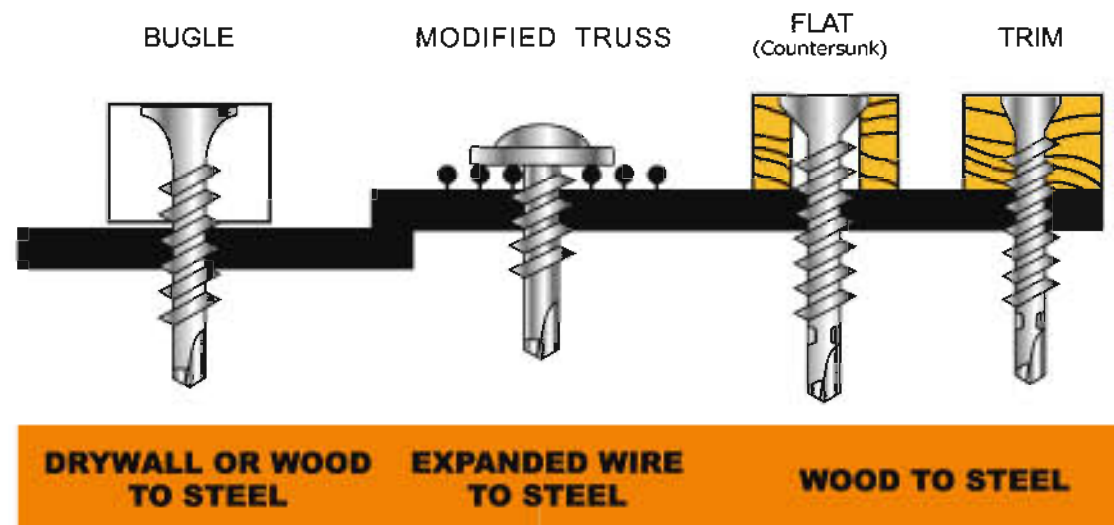
100% Traceability

All products manufactured by Masterpiece Hardware are 100% traceable as a result of the strict batch control and modern ERP systems. All documentation procedures are developed in accordance with ISO 9001 and customer guidelines. A complete library of product samples and accompanying paperwork is maintained and readily available for customer inspection.

Customer Service

Every Masterpiece Hardware customer is supported by a team of talented hands on professionals, including an account executive, design engineers, manufacturing and quality assurance specialists. This multi-disciplinary team understands and anticipates the inherent complexities of each assignment. Drawing upon extensive experience and know-how, they work directly with customers to determine the most cost effective solution, often making suggesting product improvements to protect our clients from potential problems.

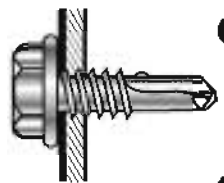




Fixing to Metal

Self-drilling screws have a hardened drill point that will drill and thread in structural steel and mild steel.

There are two main criteria



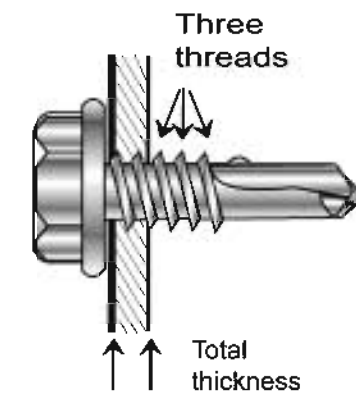
- 1 The point must be in perfect diameter ratio relationship to the thread, so as to not overdrill. This allows the thread to engage in the steel at an acceptable tapping torque. The pullout load is also determined by the ratio of the thread diameter to the hole diameter.
- 2 The point must have a swarf flute longer than the total thickness of the steel being drilled. This prevents problems with fastener installation due to swarf clogging the flute.

It is important that the drill point has completed drilling the total thickness of the steel before the thread engages.

To choose the correct fastener, it is necessary to select one, where the length of the drill point is equal to or greater than the total thickness of the material to be drilled including the air-gap. If the drill point is less than the total thickness of the material and the thread engages, then the fastener can break or become impossible to drive.

As a rule, the correct length of a screw should have at least 3 threads protruding behind the metal you are fastening to.

How to Use



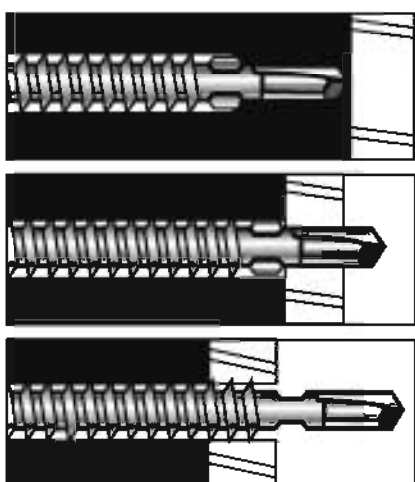
- 1 Measure the total thickness of the materials to be drilled.
- 2 Choose a screw that has a drilling capacity equal to or greater than the total thickness of materials to be drilled.
- 3 Determine the best head style for the intended application.
- 4 Choose a screw long enough to allow at least three threads to protrude beyond the metal being fastened to.

NOTE The lengths shown for countersunk, countersunk ribbed and bugle head screws indicate the distance from the top of the screw head to the screw point. For all other screw types, the length is measured from the underside of the screw head to the screw point.

- 5 Select the correct driver for the screw being used.
- 6 Fit driver to a power screwdriver set to HIGH (approx. 2500rpm).
- 7 Put screw onto driver and place at fastening position.
- 8 Push sharply on screwdriver to create a starting point.
- 9 Squeeze screwdriver trigger and maintain firm end pressure until screw has drilled and fastened.

Fixing Timber, Fibre Cement and Composite Boards to Metal

Wing screws are specially designed to enable the fastener to fix timber to metal without the timber rising to the top of the screw while the metal is being drilled. Features flat head with reaming cutters in the underside to enable the head of the fastener to self-embed for a flush or recessed finish.



How the Wing Works

- The drill point drills the timber, as the wings counter bore the hole larger than the thread diameter. With the hole being larger the thread will not engage into the timber.
- After the Tek point drills through the metal, the wings break off on contact with the metal.
- The thread cutting feature on the shank cuts a mating thread in the metal and the thread continues to engage. The head then clamps this material firmly together.

How to Use

- Measure the thickness of materials to be fastened including the air gap:

Wing Tek's	Maximum	Minimum	Maximum	Protrusion
Size	Timber Thickness	Steel Thickness	Steel Thickness	Measurement
6-20x50mm CSK RIB	37mm	0.8mm	2.3mm	13mm
8-18x35mm SEH	20mm	1.0mm	2.5mm	15mm
8-18x40mm SEH	25mm	1.0mm	2.5mm	15mm
10-24x30mm SEH	10mm	1.2mm	4.5mm	17mm
10-24x40mm SEH	25mm	1.2mm	4.5mm	17mm
10-16x45mm CSK RIB	25mm	1.2mm	3.5mm	17mm
10-16x55mm CSK RIB	35mm	1.2mm	3.5mm	17mm
10-16x75mm CSK RIB	55mm	1.2mm	3.5mm	17mm
14-20x50mm CSK	29mm	2.0mm	6.4mm	21mm
14-20x65mm CSK RIB	43mm	2.0mm	6.4mm	21mm

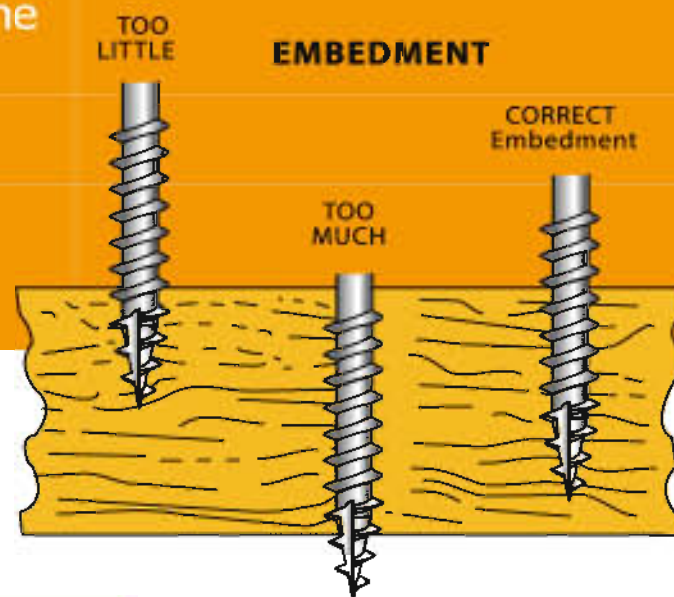
- Select correct size of the drive bit

6,8&10 gauge	#2 Cross Recess Bit
14 gauge	#3 Cross Recess Bit

- Fit driver to a power screwdriver set to HIGH - approx. 2500 rpm. (Driving too slowly may result in the wings not breaking off. The hole will be too large and the thread won't hold).
- Place Wing on the driver bit, place at fastening position and push sharply to create a starting point.
- Squeeze screwdriver trigger and maintain firm end pressure until the wing has drilled and fastened.

Minimum Embedment Into Timber

The minimum amount of embedment that must be screwed into timber is important in order to achieve the required pullout loads from the timber. The pullout load will also vary according to the grade of timber (softwood VS hardwood).



Gauge	Minimum Embedment	Exceptions
6g	16mm	
8g	18mm	
10g	25mm	10gx25mm=23mm
12g	30mm	12gx25mm=23mm
14g	35mm	14gx25mm=23mm

Head Style	Driving Tool
Countersunk	#2 Phillips bit
Countersunk Rib	#2 Phillips bit
Hexagon 8g	1/4" Hex Socket
Hexagon 10/12g	5/16" Hex Socket
Hexagon 14g	3/8" Hex Socket
Pan	#2 Phillips bit
Ripple Teks	#2 Phillips bit
Self Embedding	#2 Phillips bit
Wafer	#2 Phillips bit

- 1 Select a screw with the correct head style for the job.
- 2 Choose a screw long enough to provide 30mm embedment into the wood being fastened to.
- 3 Choose the correct driver for the screw being used.
- 4 Fix driver to a power screwdriver set to at least 1500rpm.
- 5 Put screw onto driver and place at fastening position.
- 6 Push sharply on screwdriver to create a starting point.
- 7 Squeeze screwdriver trigger and maintain firm end pressure until screw has drilled and fastened.

Z The lengths for countersunk, countersunk ribbed and bugle head screws indicate the distance from the top of the screw head to the screw point.
O For all other screw types, the length is measured from the underside of the screw head to the screw point.

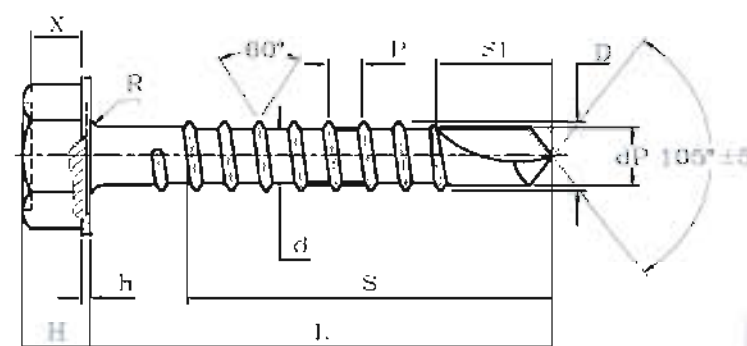
Screws Introduction



Fastener Values			
Fastener (Dia-Tpi)	Torque (min.in.lbs.)	Shear (avg.lbs.ult)	Tensile (lbs.min.)
#6-20	25	750	1285
#8-18	42	1000	1545
#10-16	61	1400	1936
#12-14	92	2000	2778
#14-14	150	2600	4060
#6-32			
#8-32			
#10-24	65	1500	2702
#12-24	150	2200	3165
#14-20	168	2700	3860

DRILLING THICKNESS (mm)		DRILL POINT NO.				
SCREW SIZE	#1	#2	#3	#4	#5	#6
#6	0.45~1.5	0.91~2.1	0.91~2.5			
#7	0.45~1.5	0.91~2.1	0.91~2.5			
#8	0.45~2.1	0.91~2.5	0.91~4.17			
#10	0.45~2.4	0.91~3.3	0.91~4.17			
#12	0.45~2.4	0.91~5.3	0.91~5.3	3.18~6.36	3.18~12.72	
#14	0.45~2.4	0.91~5.3	0.91~5.3	3.18~6.36	3.18~12.72	3.18~15

Nominal Screw Size	Thread Diameter				
(Inch)	#6	#7	#8	#9	#10
Decimal Equivalent	0.14	0.15	0.16	0.18	0.19
(inch)	#11	#12	#13	#14	1/4
Decimal Equivalent	0.2	0.21	0.23	0.24	0.25

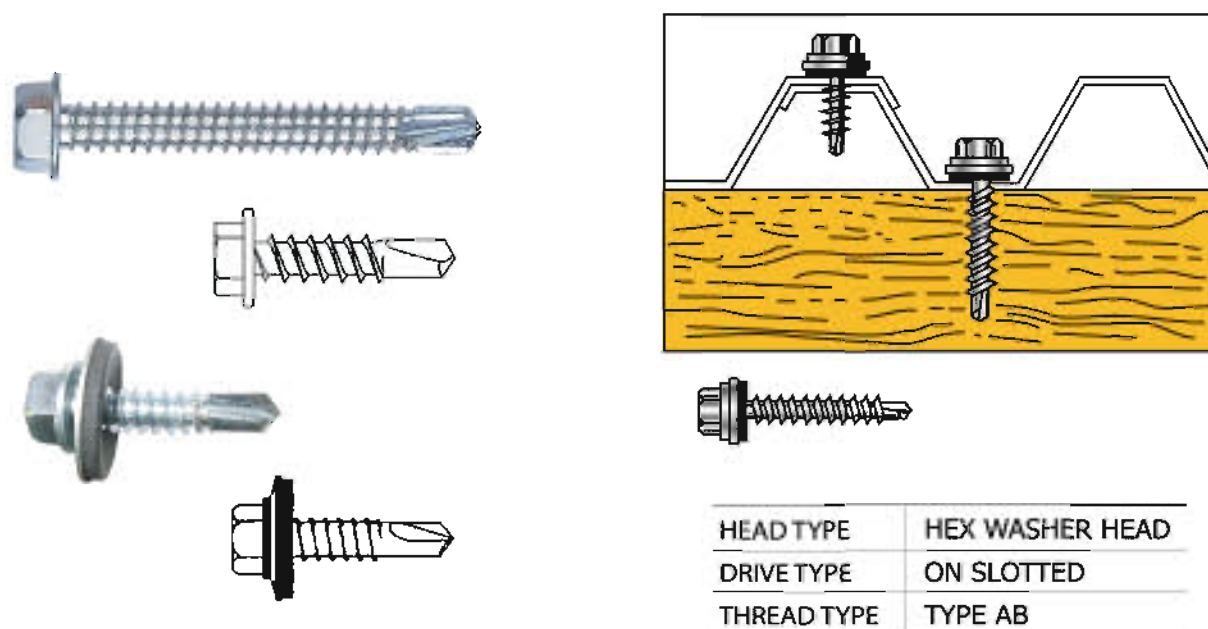


Steel Gauge Chart	Common Sheet Steel Gauge				
	30	28	26	24	22
Decimal EQ(inch)	0.012	0.015	0.018	0.024	0.03
Decimal EQ(mm)	0.3	0.38	0.45	0.61	0.76
	20	18	16	14	12
Decimal EQ(inch)	0.036	0.048	0.06	0.075	0.105
Decimal EQ(mm)	0.91	1.21	1.52	1.9	2.65
	1/8	10	3/16	1/4	1/2
Decimal EQ(inch)	0.125	0.134	0.187	0.25	0.5
Decimal EQ(mm)	3.18	3.42	4.77	6.36	12.72

H HEX WASHER HEAD SELF DRILLING SCREWS (ROOFING SCREWS)

For quick joining of sheet steel to sheet steel without the need for pre-drilling.
Good for fixing cavity trays, ducting and steel panels.
Can also be used for temporary fixing.

PHOTOGRAPH | Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HW06000	6# -20X3/8"~6#-20X3"	3.5-20X9.5~3.5-20X75	2#
HW07000	7# -20X3/8"~7#-20X3"	3.9-19X9.5~3.9-19X75	2#
HW08000	8# -18X3/8"~8#-18X3"	4.2-18X9.5~4.2-18X75	2#,3#
HW10000	10# -16X1/2"~10#-16X4"	4.8-16X13~4.8-16X100	2#,3#
HW12000	12# -14X1/2"~12#-14X5"	5.5-14X13~5.5-14X125	2#,3#,4#,5#
HW14000	14# -14X1/2"~14#-14X8"	6.3-14X13~6.3-14X200	2#,3#,4#,5#

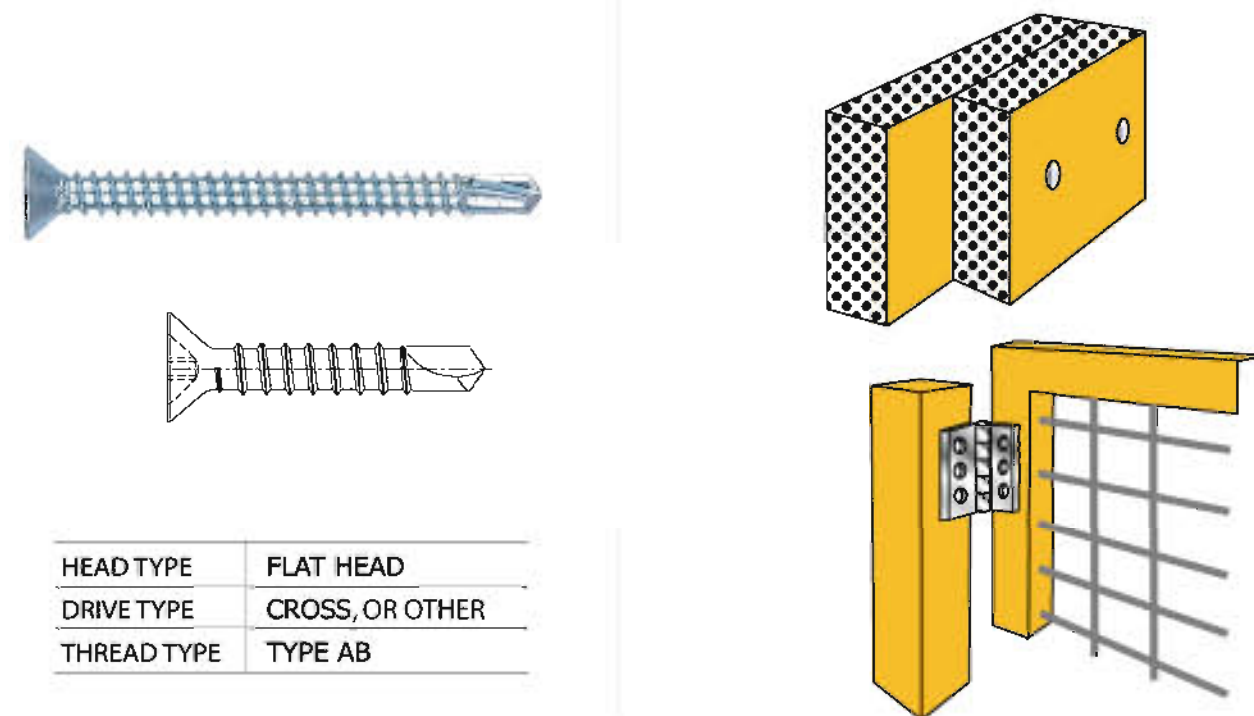
Applications

1. Roof deck to steel framing.
2. Wall panel to girt.
3. Duct work to steel framing.
4. Accessories to steel framing.
5. Clip to steel framing.
6. Retrofit framing.
7. Commercial overhead steel doors, hinges & latches.

F LAT HEAD SELF DRILLING SCREWS

Self-drilling chipboard screws have a coarse thread and fine shank to provide maximum grip and minimum stripout into chipboard, MDF board and soft timbers. The head has ribs moulded around the countersunk head which help remove the chipboard particles when countersinking.

PHOTOGRAPH | Example



HEAD TYPE	FLAT HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
CK06000	6# -20X3/8"~6#-20X3"	3.5-20X9.5~3.5-20X75	2#
CK07000	7# -20X3/8"~7#-20X3"	3.9-19X9.5~3.9-19X75	2#
CK08000	8# -18X3/8"~8#-18X3"	4.2-18X9.5~4.2-18X75	2#,3#
CK10000	10# -16X1/2"~10#-16X4"	4.8-16X13~4.8-16*100	2#,3#
CK12000	12# -14X1/2"~12#-14X5"	5.5-14X13~5.5-14X125	2#,3#,4#,5#
CK14000	14# -14X1/2"~14#-14X8"	6.3-14X13~6.3-14X200	2#,3#,4#,5#

Applications

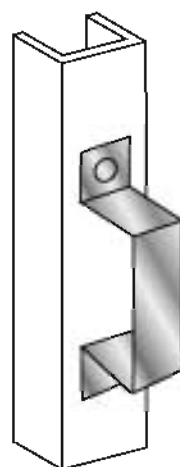
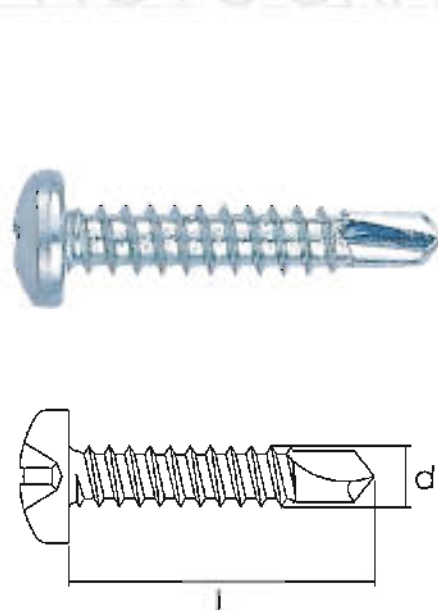
1. Fencing
2. Gates
3. Hinges

PAN HEAD SELF DRILLING SCREWS

For quick joining of sheet steel to sheet steel without the need for pre-drilling.
Good for fixing cavity trays, ducting and steel panels.
Can also be used for temporary fixing.

PHOTOGRAPH

Example



HEAD TYPE	PAN HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
PN06000	6# -20X3/8"~6# -20X3"	3.5-20X9.5~3.5-20X75	2#
PN07000	7# -19X3/8"~7# -19X3"	3.9-19X9.5~3.9-19*75	2#
PN08000	8# -18X3/8"~8# -18X3"	4.2-18X9.5~4.2-18*75	2#,3#
PN10000	10# -16X1/2"~10# -16X4"	4.8-16X13~4.8-16X100	2#,3#
PN12000	12# -14X1/2"~12# -14X5"	5.5-14X13~5.5-14X125	2#,3#,4#
PN14000	14# -14X1/2"~14# -14X8"	6.3-14X13~6.3-14X200	2#,3#,4#

Applications

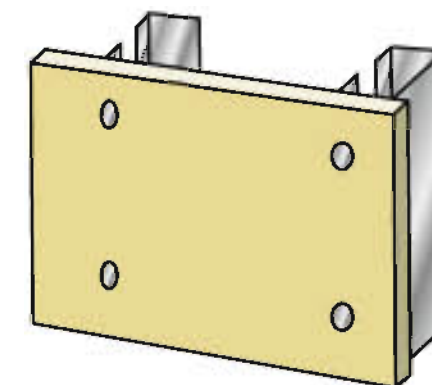
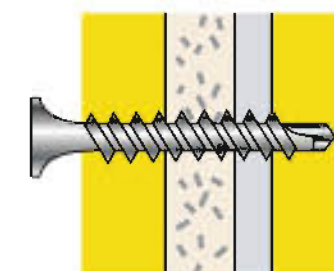
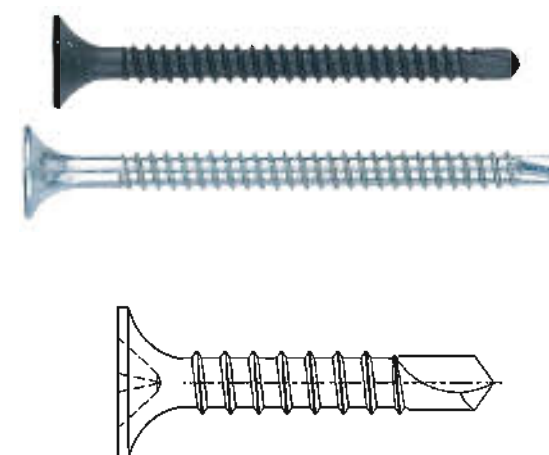
- 1.Brackets
- 2.Fixings
- 3.HVAC,electrical trim accessories to steel framing
- 4.Residential steel frame construction.
- 5.Hat channel to stud.
- 6.Stud splicing.
- 7.Track to stud.

BUGLE HEAD SELF DRILLING SCREWS

For fixing of plasterboard to metal
For fixing plasterboard to steel from 0.8mm to 2.5mm thickness.
Drill point provides easier cutting and faster penetration.
Available in Black Phosphate or Zinc plated.

PHOTOGRAPH

Example



HEAD TYPE	BUGLE HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	TYPE AB

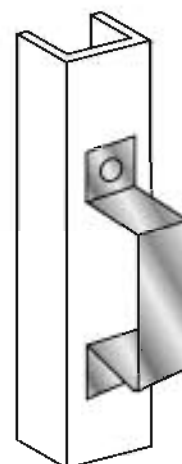
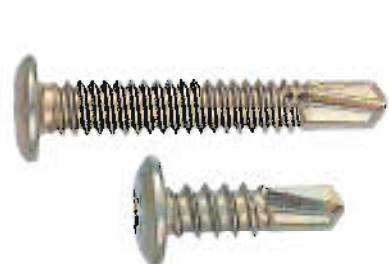
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
BU06000	6# -20X1"~6# -20X2"	3.5-20X25~3.5-20X50	2#
BU07000	7# -19X1"~7# -19X2-1/2"	3.9-19X25~3.9-20X63	2#
BU08000	8# -18X2"~8# -18X3"	4.2-18X50~4.2-18X75	2#,3#
BU10000	10# -16X2"~10# -16X4"	4.8-16X50~4.8-16X100	3#

Applications

- 1.Brackets
- 2.Fixings
- 3.Fencing
- 4.Used for fastening drywall to 14-20 gauge metal studs.

W AFER HEAD SELF DRILLING SCREWS

PHOTOGRAPH

Example

HEAD TYPE	WAFER HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	TYPE AB

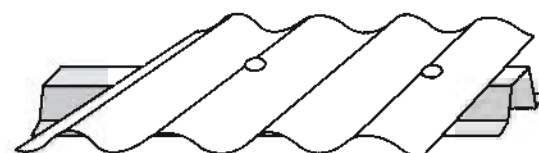
Applications

1. metal deck clips
2. electrical fittings
3. signs
4. sheet metal

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
WA10000BK	10# -16X5/8"~10#-16X2"		2#,3#
WA10000CK	10# -24X5/8"~10#-24X2"		2#,3#

H EX WASHER FLANGE HEAD SELF DRILLING SCREWS (ROOFING SCREW)

PHOTOGRAPH

Example

HEAD TYPE	HEX WASHER FLANGE HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE B

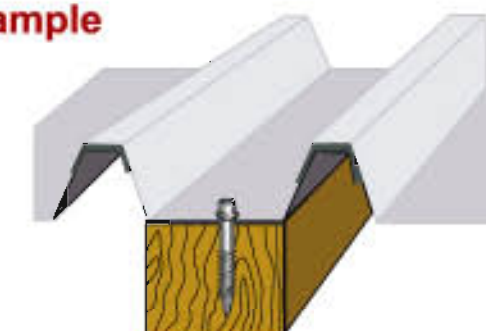
Applications

Fixing roofing profiles to steel purlins

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HF12000	12# -24X3/4"~12#-24X5"	5.5-24X19~5.5-24X125	3#

H EX FLANGE HEAD TYPE-17 WOOD SCREWS (ROOFING SCREWS)

PHOTOGRAPH

Example

HEAD TYPE	HEX WASHER FLANGE HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE A & TYPE 17

Applications

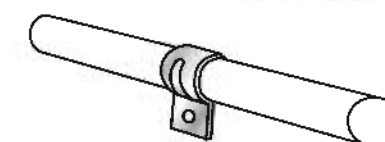
Crest fixing roofing profiles to timber battens

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HF12000AC	12# -11X5/8"~12#-11X4"	5.5-11X16~5.5-11X100	type 17
HF14000AC	14# -10X5/8"~14#-10X4"	6.3-10X16~6.3-10X100	

R OUND WASHER HEAD SELF DRILLING SCREWS (MODI-TRUSS HEAD)

Wafer head metal to metal fixing for the construction of metal stud partitioning and suspension systems to 0.84mm thick.

PHOTOGRAPH

Example

HEAD TYPE	ROUND WASHER HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	TYPE AB

Applications

Jobs needing a broad flat head

- foil sarking and insulation panels
- fascia bracket clips to rafters
- conduit clips to steel

For attaching metal lath to heavy gauge (14-20) metal studs.

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
TR08000	8# -18X1/2"~8#-18X2"	4.2-18X13~4.2-18X50	2#,3#
TR10000	10# -16X3/4"~10#-16X2"	4.8-16X19~4.8-16X50	2#,3#

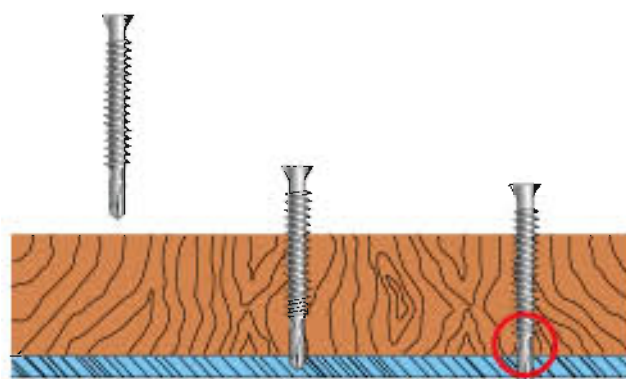
LARGE WASHER FLAT HEAD WITH WING & SHANK SLOT SELF DRILLING SCREWS

PHOTOGRAPH

Example



HEAD TYPE	WASHER FLAT HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	TYPE AB



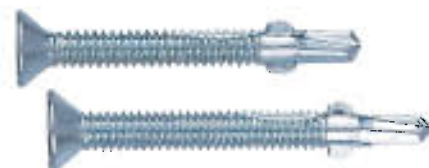
Applications

For attaching plywood to metal. * Wings prevent plywood from climbing up threads.

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
FHW1000	10#X3/4"~10#X3"	4.8X19~4.8X75	3#
FHW1200	12#X3/4"~12#X4"	5.5X19~5.5X100	3#,4#,5#

F LAT HEAD WITH WING & SHANK SLOT SELF DRILLING SCREWS

PHOTOGRAPH



HEAD TYPE	FLAT HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	TYPE AB

Applications For attaching wood to heavy gauge metal.

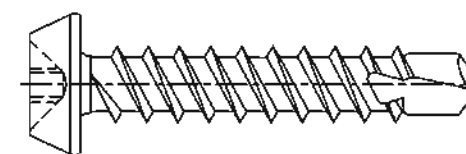
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
FHWS1000	10#X3/4"~10#X3"	4.8X19~4.8X75	3#
FHWS1200	12#X3/4"~12#X4"	5.5X19~4.8X100	3#,4#,5#
FHWS1400	14#X3/4"~14#X4"	6.3X19~6.3X100	3#,4#,5#

PAN FRAMING HEAD SCREWS

Available in black phosphate or zinc plating. Phillips drive.

PHOTOGRAPH

Example



HEAD TYPE	PAN FRAMING HEAD
DRIVE TYPE	CROSS
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
PPF0600	6# -20X3/8"~6#-20X1/2"	3.5-20X9.5~3.5-20X13	2#
PPF0700	7# -19X3/8"~7#-19X1/2"	3.9-19X9.5~3.9-19X13	2#
PPF0813	8# -18X1/2"~8#-18X3/4"	4.2-18X13~4.2-18X19	2#,3#
PPF1000	10# -16X1/2"~10#-16X2"	4.8-16X13~4.8-16X50	2#,3#

Applications

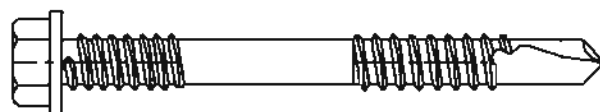
For security fixings
- security grilles
- signs
- cladding

For attaching steel track to 14-20 gauge metal studs.
Security Fixings
- security grilles
- signs

DOUBLE THREAD HEX WASHER HEAD SELF DRILLING SCREWS

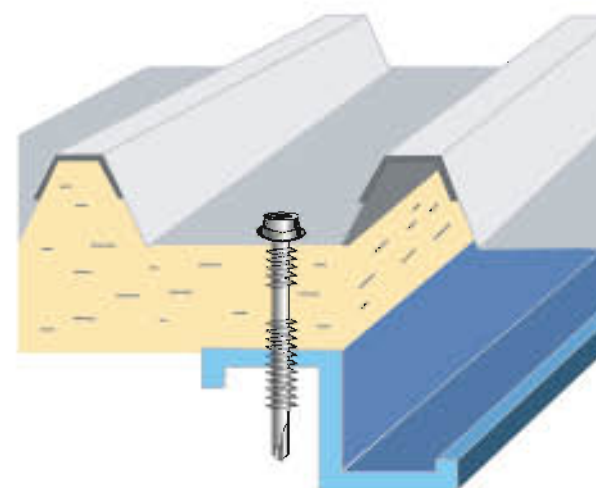
FOR FIXING ROOFING TO STEEL PURLINS.

PHOTOGRAPH



PART NO.	SIZE IFI	SIZE DIN	POINT NO.
DTHW1400	14# -14/12#-24X50	6.3-14/5.5-24X50	
DTHW1460	14# -14/12#-24X60	6.3-14/5.5-24X60	
DTHW1470	14# -14/12#-24X70	6.3-14/5.5-24X70	
DTHW1475	14# -14/12#-24X75	6.3-14/5.5-24X75	
DTHW1480	14# -14/12#-24X80	6.3-14/5.5-24X80	3#
DTHW1490	14# -14/12#-24X90	6.3-14/5.5-24X90	
DTHW14100	14# -14/12#-24X100	6.3-14/5.5-24X100	
DTHW14105	14# -14/12#-24X105	6.3-14/5.5-24X105	
DTHW14110	14# -14/12#-24X110	6.3-14/5.5-24X110	
DTHW14115	14# -14/12#-24X115	6.3-14/5.5-24X115	
DTHW14120	14# -14/12#-24X120	6.3-14/5.5-24X120	5#
DTHW14125	14# -14/12#-24X125	6.3-14/5.5-24X125	
DTHW14130	14# -14/12#-24X130	6.3-14/5.5-24X130	
DTHW14140	14# -14/12#-24X140	6.3-14/5.5-24X140	
DTHW14150	14# -14/12#-24X150	6.3-14/5.5-24X150	

Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

Applications

THIS SCREW IS USED TO FIX METAL ROOFING TO STEEL PURLINS, WITH A THICKNESS 1.6 TO 3.2mm.

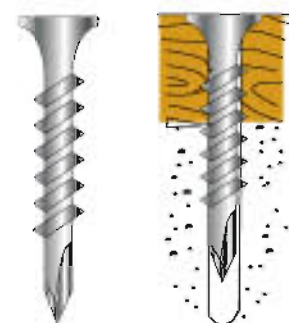
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
DTHW1450A	14# -10/12#-24X50	6.3-10/5.5-24X50	
DTHW1460A	14# -10/12#-24X60	6.3-10/5.5-24X60	
DTHW1470A	14# -10/12#-24X70	6.3-10/5.5-24X70	
DTHW1475A	14# -10/12#-24X75	6.3-10/5.5-24X75	3#
DTHW1480A	14# -10/12#-24X80	6.3-10/5.5-24X80	
DTHW1490A	14# -10/12#-24X90	6.3-10/5.5-24X90	
DTHW14100A	14# -10/12#-24X100	6.3-10/5.5-24X100	
DTHW14105A	14# -10/12#-24X105	6.3-10/5.5-24X105	4#
DTHW14110A	14# -10/12#-24X110	6.3-10/5.5-24X110	
DTHW14115A	14# -10/12#-24X115	6.3-10/5.5-24X115	
DTHW14120A	14# -10/12#-24X120	6.3-10/5.5-24X120	
DTHW14125A	14# -10/12#-24X125	6.3-10/5.5-24X125	5#
DTHW14130A	14# -10/12#-24X130	6.3-10/5.5-24X130	
DTHW14140A	14# -10/12#-24X140	6.3-10/5.5-24X140	
DTHW14150A	14# -10/12#-24X150	6.3-10/5.5-24X150	

CONCRETE SCREWS, HI-LO THREAD, NAIL POINT

SPECIALLY HARDENED HI-LO THREAD FORM FOR A WIDE RANGE OF MASONRY MATERIALS.

PHOTOGRAPH

Example



Applications

FOR FIXING INTO MASONRY MATERIALS

HEAD TYPE	FLAT HEAD
DRIVE TYPE	CROSS, OR OTHER
THREAD TYPE	HI-LO Thread

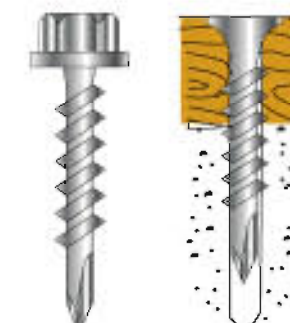
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
MSN3114	3/16X1-1/4	MSN4112	1/4X1-1/2
MSN3112	3/16X1-1/2	MSN4134	1/4X1-3/4
MSN3134	3/16X1-3/4	MSN4200	1/4X2
MSN3200	3/16X2	MSN4214	1/4X2-1/4
MSN3214	3/16X2-1/4	MSN4212	1/4X2-1/2
MSN3212	3/16X2-1/2	MSN4234	1/4X2-3/4
MSN3234	3/16X2-3/4	MSN4300	1/4X3
MSN3300	3/16X3	MSN4314	1/4X3-1/4
MSN3314	3/16X3-1/4	MSN4312	1/4X3-1/2
MSN3312	3/16X3-1/2	MSN4334	1/4X3-3/4
MSN3334	3/16X3-3/4	MSN4400	1/4X4
MSN3400	3/16X4	MSN4500	1/4X5
MSN4114	1/4X1-1/4	MSN4600	1/4X6

HEX WASHER HEAD SLOTTED CONCRETE SCREWS, HI-LO THREAD, NAIL POINT

SPECIALLY HARDENED HI-LO THREAD FORM FOR A WIDE RANGE OF MASONRY MATERIALS.

PHOTOGRAPH

Example



Applications

FOR FIXING INTO MASONRY MATERIALS

HEAD TYPE	SLOT HEX WASHER HEAD
DRIVE TYPE	CROSS & SLOT
THREAD TYPE	HI-LO Thread

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HMSN3114	3/16X1-1/4	HMSN4112	1/4X1-1/2
HMSN3112	3/16X1-1/2	HMSN4134	1/4X1-3/4
HMSN3134	3/16X1-3/4	HMSN4200	1/4X2
HMSN3200	3/16X2	HMSN4214	1/4X2-1/4
HMSN3214	3/16X2-1/4	HMSN4212	1/4X2-1/2
HMSN3212	3/16X2-1/2	HMSN4234	1/4X2-3/4
HMSN3234	3/16X2-3/4	HMSN4300	1/4X3
HMSN3300	3/16X3	HMSN4314	1/4X3-1/4
HMSN3314	3/16X3-1/4	HMSN4312	1/4X3-1/2
HMSN3312	3/16X3-1/2	HMSN4334	1/4X3-3/4
HMSN3334	3/16X3-3/4	HMSN4400	1/4X4
HMSN3400	3/16X4	HMSN4500	1/4X5
HMSN4114	1/4X1-1/4	HMSN4600	1/4X6

HEX FLANGE HEAD MASONRY SCREWS HI-LO THREAD SCREWS

PHOTOGRAPH

Example



HEAD TYPE	HEX FLANGE HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

Applications

FOR FIXING INTO MASONRY MATERIALS

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HFGN1332	13#X32	1/4X1-1/4	
HFGN1340	13#X40	1/4X1-5/8	
HFGN1355	13#X55	1/4X1-1/4	

STITCHING SCREWS

PHOTOGRAPH



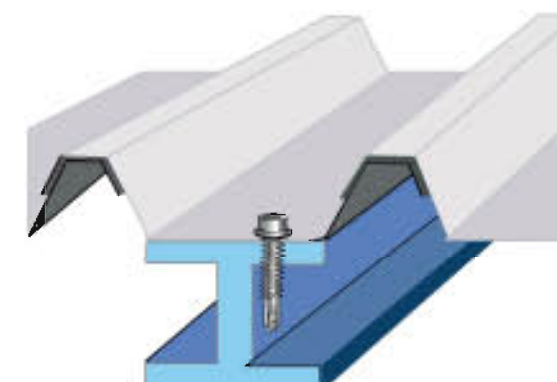
HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
STI1219	12# -14X3/4	5.5-14X19	1#
STI1222	12# -14X7/8	5.5-14X22	1#
STI1225	12# -14X1	5.5-14X25	1#
STI1419	14# -14X3/4	6.3-14X19	1#
STI1422	14# -14X7/8	6.3-14X22	1#
STI1425	14# -14X1	6.3-14X25	1#

HEX WASHER HEAD / POINT 4# & 5# SELF DRILLING SCREWS

PHOTOGRAPH

Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HWSP1222	12# -24X7/8	5.5-24X22	4#
HWSP1232	12# -24X1-1/4	5.5-24X32	
HWSP1238	12# -24X1-1/2	5.5-24X38	
HWSP1250	12# -24X2	5.5-24X50	5#

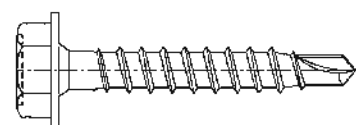
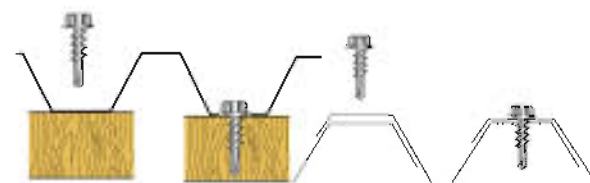
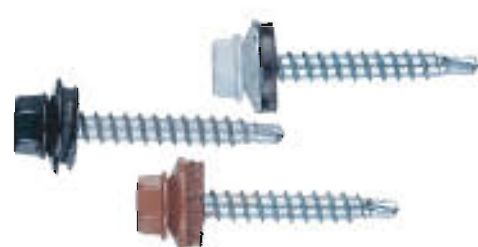
Applications

Use a #4 point for metal to steel applications up to 3/8" thick. #5 point for metal to steel up to 1/2" thick.

HEX WASHER HEAD WITH REDUCED DRILLING POINT SCREWS (PAINTED HEAD ROOFING SCREWS FARMER SCREWS)

PHOTOGRAPH

Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HWRC1020		4.8-16X20	1#
HWRC1025		4.8-16X25	1#
HWRC1028		4.8-16X28	1#
HWRC1035		4.8-16X35	1#
HWRC1040		4.8-16X40	1#
HWRC1045		4.8-16X45	1#
HWRC1050		4.8-16X50	1#
HWRC1055		4.8-16X55	1#
HWRC1060		4.8-16X60	1#

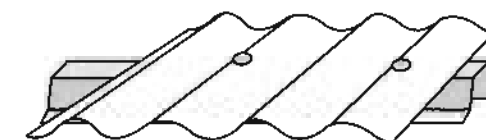
Applications

For attaching light gauge metal, metal siding, flashing, etc, to steel structure. Neoprene bonded sealing washer keeps out moisture and prevents "bleeding".

HEX WASHER HEAD WING UP WITH WASHER 3# POINT ROOFING SCREWS

PHOTOGRAPH

Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

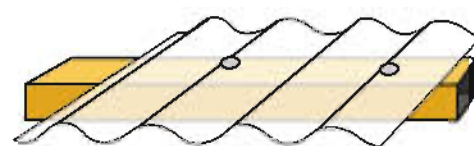
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HWWU14105		6.3-14X105	3#
HWWU14115		6.3-14X115	3#
HWWU14125		6.3-14X125	3#
HWWU14145		6.3-14X145	3#
HWWU14155		6.3-14X155	3#
HWWU14175		6.3-14X175	3#

Applications

For fastening polycarbonate and fibreglass sheeting to steel purlins.

TYPE-17 / HEX WASHER HEAD WING UP WITH WSAHER ROOFING SCREWS

PHOTOGRAPH | Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

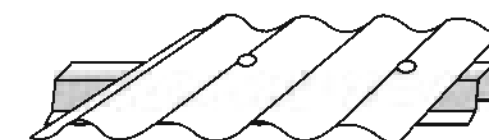
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HWWUS105		6.3-10X105	
HWWUS115		6.3-10X115	
HWWUS125		6.3-10X125	
HWWUS145		6.3-10X145	
HWWUS155		6.3-10X155	

Applications

For fastening polycarbonate and fibreglass sheeting to timber battens.

HEX WASHER HEAD WING UP WITH WASHER 5# POINT ROOFING SCREWS

PHOTOGRAPH | Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

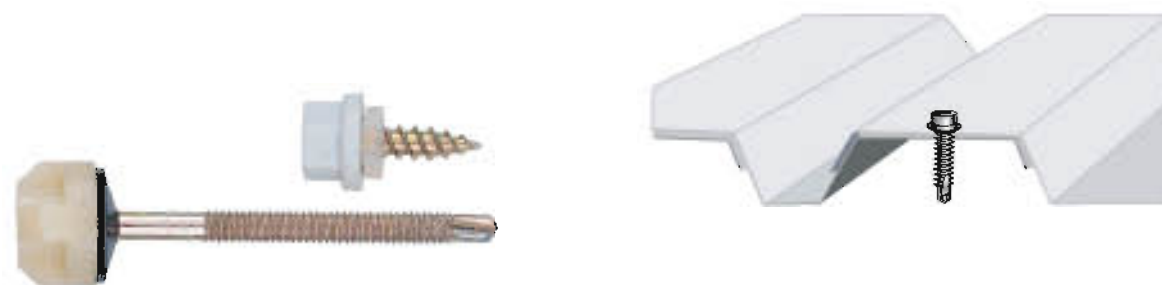
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
HWWU5110		6.3-14X110	#5
HWWU5120		6.3-14X120	#5
HWWU5130		6.3-14X130	#5
HWWU5150		6.3-14X150	#5
HWWU5160		6.3-14X160	#5
HWWU5180		6.3-14X180	#5

Applications

For fastening polycarbonate and fibreglass sheeting to steel purlins.

NYLON HEAD SELF DRILLING SCREWS

PHOTOGRAPH | Example



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	TYPE AB

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
NH1219	12-11X3/4	5.5-11X19	3#
NH1225	12-24X1	5.5-24X25	3#
NH1250	12-24X2	5.5-24X50	3#
NH1263	12-24X2-1/2	5.5-24X63	3#
NH1275	12-24X3	5.5-24X75	3#

POWERLINE SELF DRILLING COLLATED DRYWALL SCREWS

Collated drywall screws with self-drilling point for fixing plasterboard to heavy gauge metal studding partitions up to 2.84mm thick.
Cosmetic bright zinc plating.
Phillips #2 driver bit supplied.

PHOTOGRAPH | Example



HEAD TYPE	BUGLE HEAD
DRIVE TYPE	CROSS
THREAD TYPE	TYPE AB

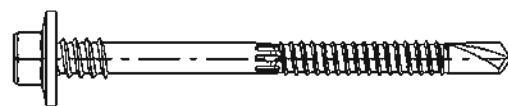
PART NO.	SIZE IFI	SIZE DIN	POINT NO.
CDS3525	6#x1"	3.5x25	2#
CDS3532	6#x1-1/4"	3.5x32	2#
CDS3542	6#x1-5/8"	3.5x42	2#

Applications

Universal belt system compatible with most fed guns.

HEX FLANGE HEAD DOUBLE THREAD W/SPECIAL RIBBING SELF DRILLING SCREWS

PHOTOGRAPH



PART NO.	SIZE IFI
HFG1245	14# -14/12#-24 X45
HFG1255	14# -14/12#-24 X55
HFG1265	14# -14/12#-24 X65
HFG1275	14# -14/12#-24 X75

HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	DOUBLE THREAD W/SHANK-GUARD

Applications For fixing roofing to steel purline

HEX FLANGE HEAD DOUBLE THREAD SELF DRILLING SCREWS

PHOTOGRAPH



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	ON SLOTTED
THREAD TYPE	DOUBLE THREAD

PART NO.	SIZE IFI
HFH1245	14# -14/12#-24X45
HFH1255	14# -14/12#-24X55
HFH1265	14# -14/12#-24X65
HFH1275	14# -14/12#-24X75

Applications For fixing roofing to steel purline

CEMENT BACKER BOARD SCREWS

These screws are made for installing cement backer board. They have a special corrosion-resistant coating. Notice the ridges under the screw head? They dig a hole in the cement board for the screw head, so the head does not stick up.

PHOTOGRAPH | Example



HEAD TYPE	WAFFER HEAD WITH NIBS
DRIVE TYPE	CROSS
THREAD TYPE	HI-LO THREAD

Applications These screws are made for installing cement backer boards.

PART NO.	SIZE IFI	SIZE DIN	POINT NO.
CDS3525	8#X1-1/4"	4.2X32	SPOON POINT
CDS3532	8#X1-5/8"	4.2X42	SPOON POINT

Proper Usage of EPDM Washer

EPDM washer ensures sealing at all point of contact between screw and metal sheet as well as water-resistance.



1. Too Tight
Cause metal to
turn up



2. Too loose
Unable to form seal
due to sealant not
being compressed



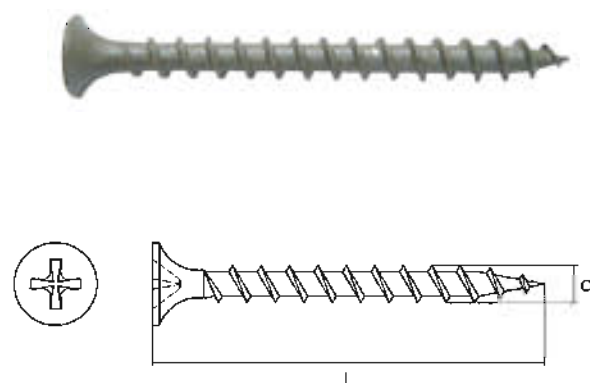
3. Correct Position
Sealant slightly
extrudes to the
outer edge

D ECKING SCREWS, BUGLE HEAD, COARSE THREAD (DRYWALL SCREWS)

Hardened countersunk screws. Tri-Lock thread form for tight grip and easy driving. Corrosion resistant for outdoors applications.

PHOTOGRAPH

HEAD TYPE	BUGLE HEAD
DRIVE TYPE	CROSS , OR OTHER
THREAD TYPE	COARSE THREAD



Example



Applications

One of the finest quality fasteners for attaching drywall to 25 GA metal studs, and attaching drywall to wood studs.

PART NO.	SIZE IFI
DCS06100B	6x1"(3.5x25)
DCS06114B	6x1-1/4"(3.5x32)
DCS06138B	6x1-3/8"(3.5x35)
DCS06112B	6x1-1/2"(3.5x38)
DCS06158B	6x1-5/8"(3.5x42)
DCS06200B	6x2"(3.5x50)
DCS08258B	8x2-5/8"(4.2x65)
DCS08300B	8x3"(4.2x75)

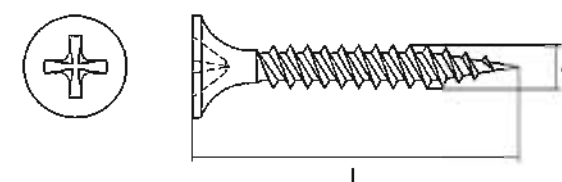
PART NO.	SIZE IFI
DCS07212R	7*2-1/2(rusper)
DCS08212R	8*2-1/2(rusper)
DCS08214R	8*2-1/4(rusper)
DCS08200R	8*2(rusper)
DCS08300R	8*3(rusper)

B UGLE HEAD FINE THREAD (TWIN THREAD) DRYWALL SCREWS

Twin thread with phosphate finish. Piercing point for fast fixing of plasterboard. Piercing point fixes plasterboard to light steel or wood studs without pre-drilling. Bugle head sets them to right depth without tearing paper.

PHOTOGRAPH

HEAD TYPE	Bugle Head
DRIVE TYPE	CROSS
THREAD TYPE	Twinfast FINE THREAD



PART NO.	SIZE IFI
DWS06100	6x1"(3.5x25)
DWS06114	6x1-1/4"(3.5x32)
DWS06138	6x1-3/8"(3.5x35)
DWS06112	6x1-1/2"(3.5x38)
DWS06158	6x1-5/8"(3.5x42)
DWS06200	6x2"(3.5x50)
DWS07034	7#*3/4"(3.9x19)
DWS07100	7#*1"(3.9x25)
DWS07114	7#*1 1/4"(3.9x32)

Example



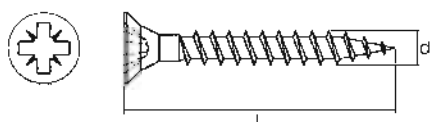
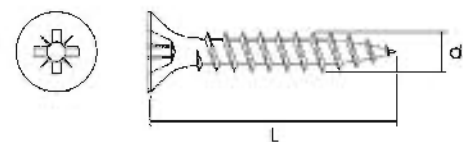
Applications

Hardened, Phillips head screw. Twinthread for double quick driving. Use on plasterboard.

CHIPBOARD SCREWS (SINGLE THREAD WOOD SCREWS)

A top quality single thread, versatile wood screw. Popular with carpenters. Chipboard screws are precisely engineered to power drive and hold fast in hard- and softwood, chipboards.

PHOTOGRAPH



Example



HEAD TYPE	CUNTERSUNK (SINGLE HEAD AND DOUBLE HEAD)
DRIVE TYPE	POZI, OR OTHER
THREAD TYPE	COARSE THREAD

PART NO.	SIZE IFI
MPS3012	3x12
MPS3016	3x16
MPS3020	3x20
MPS3025	3x25
MPS3030	3x30
MPS3040	3x40
MPS3512	3.5x12
MPS3516	3.5x16
MPS3520	3.5x20
MPS3525	3.5x25
MPS3530	3.5x30
MPS3535	3.5x35
MPS3540	3.5x40
MPS3545	3.5x45
MPS3550	3.5x50
MPS4016	4x16
MPS4020	4x20
MPS4025	4x25
MPS4030	4x30
MPS4035	4x35
MPS4040	4x40

Applications

1. Excellent for Softwood & Chipboard
2. Deep, Sharp, Single Thread for Cutting Cleanly through Wood
3. Superior Quality & Heat-Treated for Resistance to Snapping
4. Angled Point Usually Needs No Pilot Hole
5. Zinc & Yellow Passivated for Double Corrosion Resistance

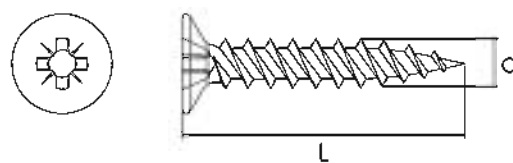
PART NO.	SIZE IFI
MPS4045	4x45
MPS4050	4x50
MPS4055	4x55
MPS4060	4x60
MPS4070	4x70
MPS4516	4.5x16
MPS4520	4.5x20
MPS4525	4.5x25
MPS4530	4.5x30
MPS4535	4.5x35
MPS4540	4.5x40
MPS4545	4.5x45
MPS4550	4.5x50
MPS4555	4.5x55
MPS4560	4.5x60
MPS4570	4.5x70
MPS4580	4.5x80
MPS5020	5x20
MPS5025	5x25
MPS5030	5x30
MPS5035	5x35

PART NO.	SIZE IFI
MPS5040	5x40
MPS5045	5x45
MPS5050	5x50
MPS5055	5x55
MPS5060	5x60
MPS5070	5x70
MPS5080	5x80
MPS5090	5x90
MPS50100	5x100
MPS6035	6x35
MPS6040	6x40
MPS6045	6x45
MPS6050	6x50
MPS6055	6x55
MPS6060	6x60
MPS6070	6x70
MPS6080	6x80
MPS6090	6x90
MPS60100	6x100
MPS60120	6x120
MPS60130	6x130

TWIN THREAD WOOD SCREWS

Twinthread for double quick driving. Countersunk. Prodrive? head recess gives extra grip. Use on man-made boards, hard and softwood.

PHOTOGRAPH



Example



HEAD TYPE	COUNTERSUNK
DRIVE TYPE	POZI, OR OTHER
THREAD TYPE	TWIN THREAD

PART NO.	SIZE IFI
TTW04012	4X1/2"
TTW04058	4X5/8"
TTW04034	4X3/4"
TTW04100	4X1"
TTW06012	6X1/2"
TTW06058	6X5/8"
TTW06034	6X3/4"
TTW06100	6X1"
TTW06114	6X1-1/4"
TTW06112	6X1-1/2"
TTW06200	6X2"
TTW07034	7X3/4"
TTW07100	7X1"
TTW07114	7X1-1/4"
TTW08012	8X1/2"
TTW08058	8X5/8"
TTW08034	8X3/4"
TTW08100	8X1"
TTW08114	8X1-1/4"
TTW08112	8X1-1/2"
TTW08134	8X1-3/4"

Applications

1. Excellent for Softwood & Chipboard
2. Double Helix, Angled Thread Drives Accurately into Wood in Half the Time of Standard Screws
3. Shank Under Head Grips Wood & Reduces Splitting
4. Pilot Hole Not Normally Required
5. Zinc-Plated for Corrosion Resistance
6. Threaded to the Tip

PART NO.	SIZE IFI
TTW08200	8X2"
TTW08214	8X2-1/4"
TTW08212	8X2-1/2"
TTW08300	8X3"
TTW10100	10X1"
TTW10114	10X1-1/4"
TTW10112	10X1-1/2"
TTW10134	10X1-3/4"
TTW10200	10X2"
TTW10212	10X2-1/2"
TTW10300	10X3"
TTW10312	10X3-1/2"
TTW10400	10X4"
TTW12114	12X1-1/4"
TTW12112	12X1-1/2"
TTW12200	12X2"
TTW12212	12X2-1/2"
TTW12300	12X3"
TTW12312	12X3-1/2"
TTW12400	12X4"
TTW12412	12X4-1/2"

PART NO.	SIZE IFI
TTW12434	12X4-3/4"
TTW12518	12X5-1/8"
TTW12512	12X5-1/2"
TTW12600	12X6"



STAINLESS STEEL DECKING SCREWS

Single thread, TriLock, corrosion-resistant stainless steel decking screw. For outdoor and marine area use in all kind of timber and hardwoods.

PHOTOGRAPH



HEAD TYPE	COUNTERSUNK HEAD
DRIVE TYPE	SQUARE RECESS
THREAD TYPE	COARSE THREAD

PART NO.	SIZE IFI
DCS08200SS	8X2"
DCS08214SS	8X2-1/4"
DCS08212SS	8X2-1/2"
DCS08300SS	8X3"

STAINLESS STEEL DECKING SCREWS WITH PAINTED HEADS

Stainless steel decks screws with highly durable poxy based finish. Available in both flat and trim head styles in a variety of the commonly used deck screw sizes.

PHOTOGRAPH



HEAD TYPE	PAINTED COUNTERSUNK HEAD
DRIVE TYPE	SQUARE RECESS
THREAD TYPE	COARSE THREAD, TYPE-17

PART NO.	SIZE IFI
PDCS07158	7X1-5/8"
PDCS07214	7X2-1/4"
PDCS08212	8X2-1/2"
PDCS08300	8X3"



IPE
WITH HEADCOTE /
BROWN



CEDAR
WITH HEADCOTE /
TAN



MACHOGANY
WITH HEADCOTE /
BROWN



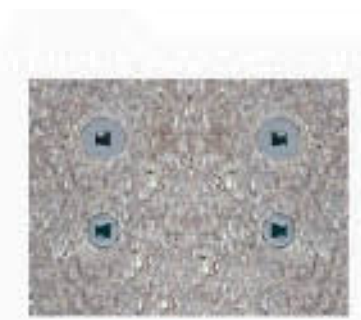
REDWOOD
WITH HEADCOTE /
TAN



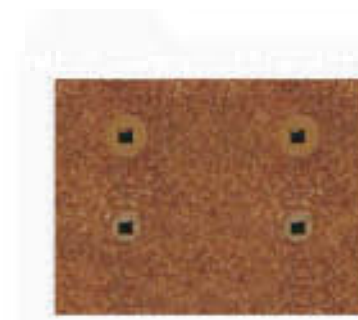
ACQ TREATED
WITH HEADCOTE /
TAN



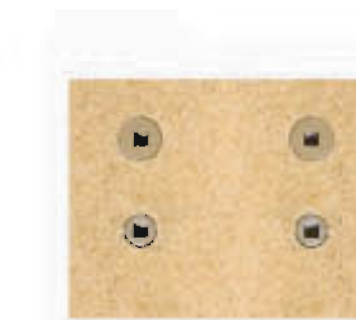
PVC TRIMBOARD
WITH HEADCOTE /
WHITE



GRAY COMPOSITE
WITH HEADCOTE /
GRAY



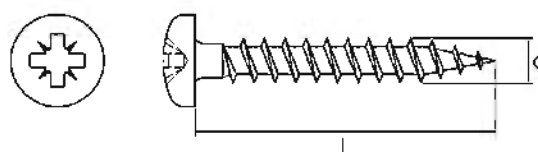
BROWN COMPOSITE
WITH HEADCOTE /
BROWN



TAN COMPOSITE
WITH HEADCOTE /
TAN

PAN HEAD CHIPBOARD SCREWS

PHOTOGRAPH

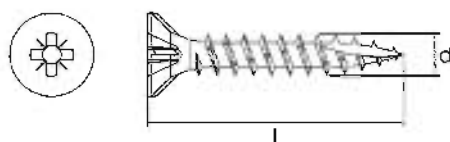


HEAD TYPE	PAN HEAD
DRIVE TYPE	POZI RECESS, OR OTHER
THREAD TYPE	CHIPBOARD THREAD

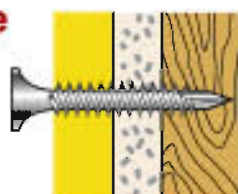
PART NO.	SIZE IFI
PCS06058	6X5/8"
PCS06100	6X1"
PCS08012	8X1/2"
PCS08058	8X5/8"
PCS08034	8X3/4"
PCS08100	8X1"
PCS08114	8X1-1/4"
PCS08112	8X1-1/2"
PCS08200	8X2"
PCS10100	10X1"
PCS10112	10X1-1/2"
PCS10200	10X2"

DOUBLE FLAT HEAD W/4 NIBS TYPE 17 CHIPBOARD SCREWS

PHOTOGRAPH



Example



HEAD TYPE	DOUBLE FLAT HEAD
DRIVE TYPE	POZI, OR OTHER
THREAD TYPE	CHIPBOARD THREAD & TYPE 17

PART NO.	SIZE IFI
MPT30025	3.0x25
MPT35020	3.5x20
MPT35030	3.5x30
MPT40030	4x30
MPT40040	4x40
MPT45050	4.5x50
MPT50040	5x40
MPT50050	5x50
MPT50060	5x60
MPT50070	5x70/45
MPT50090	5x90/60
MPT60080	6x80/50
MPT60100	6x100/70

SNAP - OFF SCREWS

Zinc and yellow passivated. Unique design makes it suitable for fixing door furniture. Simply snap the screw along its machine thread to suit the length required.

PHOTOGRAPH



HEAD TYPE	ROUND WASHER HEAD
DRIVE TYPE	CROSS
THREAD TYPE	TYPE B

PART NO.	SIZE IFI
SOS04	M4

Applications

MIN: LENGTH 20mm
MAX: LENGTH 45mm

FRAME SCREWS (CONCRETE SCREWS)

Fast, versatile masonry screw for fixing window and door frames into most substrates. Zinc and Yellow-passivated. Requires 6mm pilot hole.

PHOTOGRAPH



HEAD TYPE	FLAT HEAD 11 OR 7 MM
DRIVE TYPE	STAR DRIVE
THREAD TYPE	TYPEAB W/FLUTES

PART NO.	SIZE IFI
PFS75042	7.5X42
PFS75062	7.5X62
PFS75082	7.5X82
PFS75102	7.5X102
PFS75122	7.5X122
PFS75152	7.5X152
PFS75182	7.5X182

FURNITURE SCREWS

Fast, deep-cut thread screws hold tight even in end grain chipboard! Also use in natural timbers where the sharp point, deep cut and sharp threads drive in easily and minimise splitting. Black Oxide finish gives hi-tech look if left exposed.

PHOTOGRAPH



HEAD TYPE	COUNTERSUNK
DRIVE TYPE	POZI, OR OTHER
THREAD TYPE	COARSE THREAD

PART NO.	SIZE IFI
FNS08114	8X1-1/4"
FNS08134	8X1-3/4"

EXTERIOR TIMBER SCREWS

Hex drive for accurate driving and no cam-out. Natural coloured exterior coating blends in with most wood surfaces.

For joists, landscaping and fencing. Can replace coach screws and bolts.

1000 hour salt spray. Pre-drilling usually not required, use high torque low revs.

PHOTOGRAPH



HEAD TYPE	HEX WASHER HEAD
DRIVE TYPE	HEX DRIVE
THREAD TYPE	TYPE A

PART NO.	SIZE IFI
ETS63065	6.3X65
ETS63100	6.3X100
ETS63150	6.3X150
ETS63200	6.3X200
ETS63250	6.3X250

Applications

- 1.Requires no pre- drilling.
- 2.Gimlet point & anti-friction coating offers significantly reduced installation torque.
- 3.Oversized washer for controlling position of fastener.
- 4.Higher lateral load capacity than nails or screws of similar diameter.
- 5.Made of heat-treated steel for dramatically increased strength & drivability.

LONG WOOD SCREWS

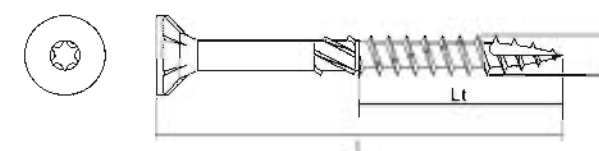
Professional countersunk screw for use in wood construction. Ideal for joists and rafters. Zinc and Yellow plating.

High Pitch Thread for Faster Driving

Shank Ribs for Low Torque Driving

Ribs under Head for Clean Countersinking. T-40 Drive Reduces Cam-Out.

PHOTOGRAPH



HEAD TYPE	COUNTERSUNK W/NIBS
DRIVE TYPE	STAR DRIVE
THREAD TYPE	TYPE A & TYPE-17 W/U-TYPE

PART NO.	SIZE IFI
HTS08120	8X120
HTS08140	8X140
HTS08160	8X160
HTS08180	8X180
HTS08200	8X200

PART NO.	SIZE IFI
HTS08220	8X220
HTS08240	8X240
HTS08260	8X260
HTS08280	8X280
HTS08300	8X300

CONCRETE SCREWS

Dual single, hi-lo diamond thread form with corrosion resistant, blue ruspert finish.

PHOTOGRAPH



HEAD TYPE	COUNTERSUNK
DRIVE TYPE	POZI, OR OTHER
THREAD TYPE	HI-LO THREAD W/FLUTES

PART NO.	SIZE IFI
MCS10114	3/16"X1-1/4"
MCS10134	3/16"X1-3/4"
MCS10214	3/16"X2-1/4"
MCS10234	3/16"X2-3/4"
MCS14114	1/4"X1-1/4"
MCS14134	1/4"X1-3/4"
MCS14234	1/4"X2-3/4"

CONCRETE SCREWS, SLOTTED HEX WASHER HEAD

Dual single, hi-lo diamond thread form with corrosion resistant, blue ruspert finish.
Hex head with slot for socket or screwdriver application.

PHOTOGRAPH



HEAD TYPE	HEX HASHER HEAD
DRIVE TYPE	CROSS & SLOT
THREAD TYPE	HI-LO THREAD W/FLUTES

PART NO.	SIZE IFI
MHS10114	3/16"x1-1/4"
MHS10134	3/16"x1-3/4"
MHS14134	1/4"x1-3/4"

COLLATED DRYWALL SCREWS

Non-jamming, collated drywall screws with piercing point.
Hardened with bugle head and black phosphate coating. Phillips.
Fine thread. Suitable for fixing to steel and wood.

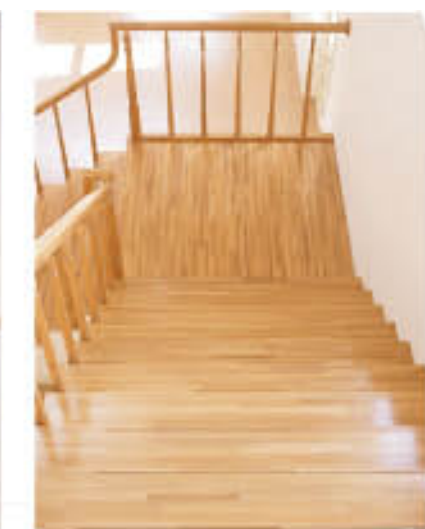
PHOTOGRAPH



HEAD TYPE	BUGLE HEAD
DRIVE TYPE	CROSS
THREAD TYPE	FINE OR COARSE THREAD

PART NO.	SIZE IFI
CDWS3525	3.5x25
CDWS3532	3.5x32
CDWS3535	3.5x35
CDWS3538	3.5x38

Example



C LUTCH HEAD SECURITY SCREWS

Beat the thieves! Clutch head or 'one way' design lets you put these screws in with an ordinary slotted screwdriver, but removing them is virtually impossible. Hardened and zinc-plated. Twin thread. Internal use only.

PHOTOGRAPH



PART NO.	SIZE IFI
CHSS10114	10X1-1/4"
CHSS10112	10X1-1/2"

S STAR DRIVE SECURITY SCREWS, COUNTRESUNK HEAD

For tamper-resistant fixings. A2 Stainless Steel. Internal and external applications. Self-tapping. Use in sheet metal or wood.

PHOTOGRAPH



PART NO.	SIZE IFI
SDSS08034	8X3/4"
SDSS08100	8X1"
SDSS08114	8X1-1/4"
SDSS08112	8X1-1/2"
SDSS08200	8X2"

P PAN HEAD STAR SECURITY DRIVE SELF-TAPPING SCREWS

A2 Stainless Steel. AB thread. Use in wood or stainless steel.

PHOTOGRAPH



PART NO.	SIZE IFI
SPSS08034	8X3/4"
SPSS08100	8X1"
SPSS08112	8X1-1/2"
SPSS10112	10X1-1/2"

P PAN HEAD HEX SECURITY DRIVE MACHINE SCREWS

A2 STAINLESS STEEL . METRIC, MACHINE SCREW THREAD.
USE WHERE ACCESS CONTROL OR SAFETY PROTECTION IS REQUIRED.

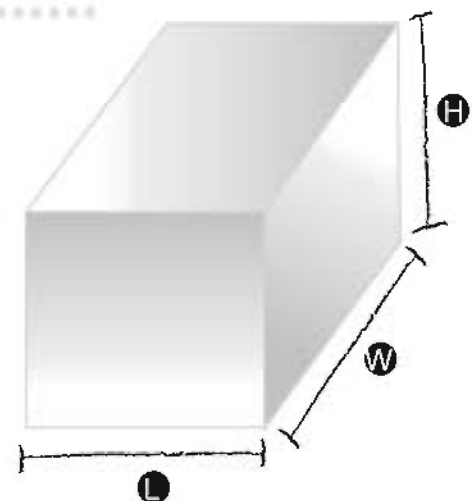
PHOTOGRAPH



PART NO.	SIZE IFI
PHSS0412	4X12
PHSS0516	5x16
PHSS0612	6x12
PHSS0616	6x16
PHSS0620	6x20
PHSS0625	6x25
PHSS0840	8x40

L x W x H

OUR PACKAGING



PART NO. JCY-43
SIZE (cm) 95X126X43



PART NO. JCY-40
SIZE (cm) 80X122X40



PART NO. JCY-80
SIZE (cm) 155X125X80

PART NO. JCY-125
SIZE (cm) 155X125X125



PART NO. JCY-18
SIZE (cm) 50X100X18

PART NO. JCY-163
SIZE (cm) 145X150X163



PART NO. JCY-P2
SIZE (cm) 125X95X148

PART NO. JCY-P02
SIZE (cm) 125X95X37



PART NO. JCY-P3
SIZE (cm) 125X95X205



PART NO. JCY-B508
SIZE (cm) 68X68X138



PART NO. JCY-D804
SIZE (cm) 90X90X145

PART NO. JCY-318
SIZE (cm) 68X68X95



PART NO. JCY-E174
SIZE (cm) 56X56X83



PART NO. JCY-MTC3827
SIZE (cm) 380*270*66



PART NO. JCY-MTC4433
SIZE (cm) 440*330*66

PART NO. JCY-38
SIZE (cm) 240X193X38

PART NO. JCY-72
SIZE (cm) 263X220X72



PART NO. JCY-P1
SIZE (cm) 130X95X10.5



PART NO. JCY-6G
SIZE (cm) 220X180X170

PART NO. JCY-P0
SIZE (cm) 130X95X82



PART NO. JCY-5dD
SIZE (cm) 287X287X193

PART NO. JCY-MTC3322
SIZE (cm) 330*220*66



PART NO. JCY-4L
SIZE (cm) 265X250X115



PART NO. JCY-78
SIZE (cm) 260X252X206



DACROMET

DACROMET is the leading inorganic coating specified by automotive companies worldwide and is a proven coating system in many industries.

A water-based, VOC compliant coating, DACROMET is comprised mainly of overlapping zinc and aluminum flakes in an inorganic binder.

Barrier Protection : Overlapping zinc and aluminum flakes provides an excellent barrier between the steel substrate and the corrosive media.

Galvanic Action : Zinc corrodes to protect steel

Passivation : Metal oxides slow down the corrosion reaction of zinc and steel to provide 3 times greater corrosion protection than pure zinc.

Self-Repairing : Zinc oxides and carbonates migrate to the damaged area of the coating to actively repair the coating and restore barrier protection.



Environmental Benefits

Comply with the following regulation

- ✦ Environmental Protection Agency (EPA)
 - ✦ Occupational Safety & Health Administration (OSHA)
 - ✦ DaimlerChrysler CS-9003
 - ✦ General Motors GMW 3059
 - ✦ Ford WSS-M99P9999-A1
 - ✦ EU Directive on End of life Vehicles
 - ✦ EU Directive on Electrical Equipment (RoHS)
- NO TOXIC METALS** | free of nickel, cadmium, lead, barium & mercury
- WATER BASED** | free from dangerous solvents
- VOC COMPLIANT** | under EPA RACT requirements

Corrosion Resistance

Salt Spray-Test **DACROMET** coating systems provide Salt Spray protection (per ASTM B-117/ISO 9227) in excess of 500 hours on threaded fasteners. With the addition of the PLUS sealers, protection exceeds even 1000 hours.

The following pictures show a comparison of standard Zinc Plating and DACROMET

DACROMET 320 L



Zinc Plating



1000 Hours Salt Spray



Functional Benefits

Hydrogen Embrittlement Free Process | coating application process does not require acid pickling or involve electroplating.

Bimetallic Corrosion Resistant | Aluminum flake eliminates the typical bimetallic cell of most zinc coating when mated with aluminum or steel.

Solvent Resistant | Inorganic nature caused it to be resistant to organic solvents.

Heat resistant | Maintains corrosion resistance even following a heat shock of 3 hrs @ 550 F (288C)

Conductive | Concentration of metallic flake allows an electrical current to be passed to the substrate.

RUSPERT

RUSPERT metal finish is the metal surface processing technology of high grade anti-corrosion consisting of 1st layer - metallic zinc, 2nd layer - high grade anti-corrosion chemical conversion film, and 3rd layer - baked ceramic surface coating.

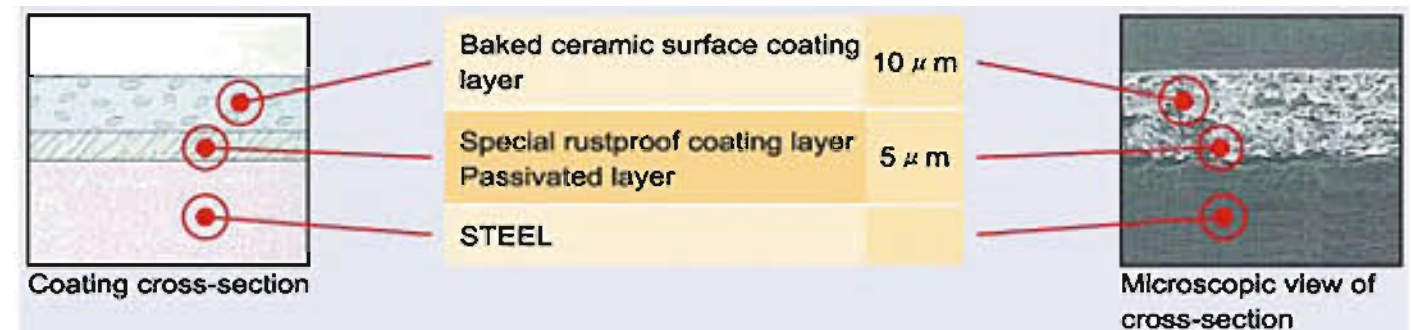
The feature of RUSPERT is to join blaked cermic surface coating and chemical conversion film tightly together owing to bridging effect.

Furthermore, these layers are tightly joined together by means of chemical reactions, and such unuc layer-combination brings stiff and fine combined coating films. RUSPERT treatment is not anti-corrosion by a single material, but by synergism of three layers, with which super rustproof quality is endowed.

I Performance

Test item	Test result	Test method
Hardness of paint film	Over 4H	Pencil hardness(peeling test)
Adhesion	Nothing abnormal	Peeling test by adhesive tape on cross scribed test piece in 1mm width
Acid resistance	Nothing abnormal	Immersion in 5% sulfuric acid solution for 24h
Alkali resistance	Nothing abnormal	Immersion in 5% sodium hydroxide solution for 72h
Heat resistance	Nothing abnormal	Exposure to 250℃J heat for 1h
Accelerated weathering	Free from red rust	In sunshine weather-0-meter for 1000h
Contact corrosion to other metals	Obviously superior to galvanization (colored chromating) and hot dip galvanizing.	Corrosive investigation after Salt Mist Spray Test (JIS Z 2371)done comparatively on surface-treated steel bolts/nuts tightened on the stainless steel plate.

I Coating and Rust-proof Structure



Type	Performance Color	Selction
RUSPERT type I	S.S.T. 500h DIN 50018(0.2L)15cycles	Silver . Grey . Black . Other colors
RUSPERT type II	S.S.T. 1000h DIN 50018(0.2L)15cycles	Silver . Grey . Black . Other colors
RUSPERT type III	S.S.T. 1000h DIN 50018(2.0L)15cycles	Grey . Black
RUSPERT on hot dip galvanizing	S.S.T. 1000h DIN 50018(0.2L)15cycles	Silver . Grey . Black . Other colors

Coating layer	Rustproof structure
Baked ceramic surface costing layer	Intrusion of corrosive factors is intercepted by the strong paint film made of ceramic materials.
Special rustproof coating layer	Instrusion of corrosive factors is intercepted by pliability of RUSPERT organic paint that follows the expansion/contraction of substrate materials and also by its strong adhesion to the zinc plated surface.
Passivated layer	Rustproof pigment contained in the RUSPERT paint produces an inactive film over the galvanized surface by chemical reaction. Thus,the galvanized surface is sufficiently passivated.

Test & Certification of ASTM B117-03 SALT SPRAY TEST 1000 HOURS

SGS
Masterpiece Engineering Laboratory-Division

Test Report

Report No.: DS-07-01740X
Page No.: 1 of 4
Date of Report: Nov. 09, 2007

MASTERPIECE HARDWARE INDUSTRIAL CO., LTD.
No. 607, Section 8/D, Hsinchu City, Changshu County 509, Taiwan.

The following completed test report submitted and checked by division:

Sample Description: Washer head Self Drilling Screw, Hex washer head type 17 Wood Screw

Sample Reference Date: Sep 27, 2007

Test Performance Date: Sep 27 ~ Nov 08, 2007

Test Requested: Salt Spray (Fog) Test

Test Method: ASTM B117-03

Test Duration: 1000 hours (As per client requirement)

No. of Specimens: Washer head Self Drilling Screw = 5pcs
Hex washer head Self Drilling Screw = 5pcs
Hex Washer head type 17 Wood Screw = 5pcs

Test Result:

Specimen	Observation
Washer head Self Drilling Screw	No Exhibit Rust (as Fig.1~Fig.3)
Hex washer head Self Drilling Screw	No Exhibit Rust (as Fig.4~Fig.6)
Hex Washer head type 17 Wood Screw	No Exhibit Rust (as Fig.7~Fig.9)

Condition:
Test Temperature: 35±2°C
Test Solution: 5% sodium chloride solution in 95% distilled water
The pH of the test solution: 6.5-7.2
Aerating and Quantity of Fog: 1.0-2.0
The Specific Gravity of the test solution: 1.020-1.024

The required specification(s) offered in this test report is/are for reference only. The conformity judgment is at the Applicant's final verdict.

SGS Taiwan Ltd.

SGS
Masterpiece Engineering Laboratory-Division

Test Report

Report No.: DS-07-01740X
Page No.: 2 of 4
Date of Report: Nov. 09, 2007

Fig.1
Washer head Self Drilling Screw

Fig.2
Hex washer head Self Drilling Screw

Fig.3
Hex Washer head type 17 Wood Screw

The required specification(s) offered in this test report is/are for reference only. The conformity judgment is at the Applicant's final verdict.

SGS Taiwan Ltd.

SGS
Masterpiece Engineering Laboratory-Division

Test Report

Report No.: DS-07-01740X
Page No.: 3 of 4
Date of Report: Nov. 09, 2007

Fig.4
Hex washer head Self Drilling Screw

Fig.5
Hex washer head Self Drilling Screw

Fig.6
Hex washer head Self Drilling Screw

The required specification(s) offered in this test report is/are for reference only. The conformity judgment is at the Applicant's final verdict.

SGS Taiwan Ltd.

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Masterpiece Engineering Laboratory-Division

Test Report

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Fig.7
Hex Washer head type 17 Wood Screw

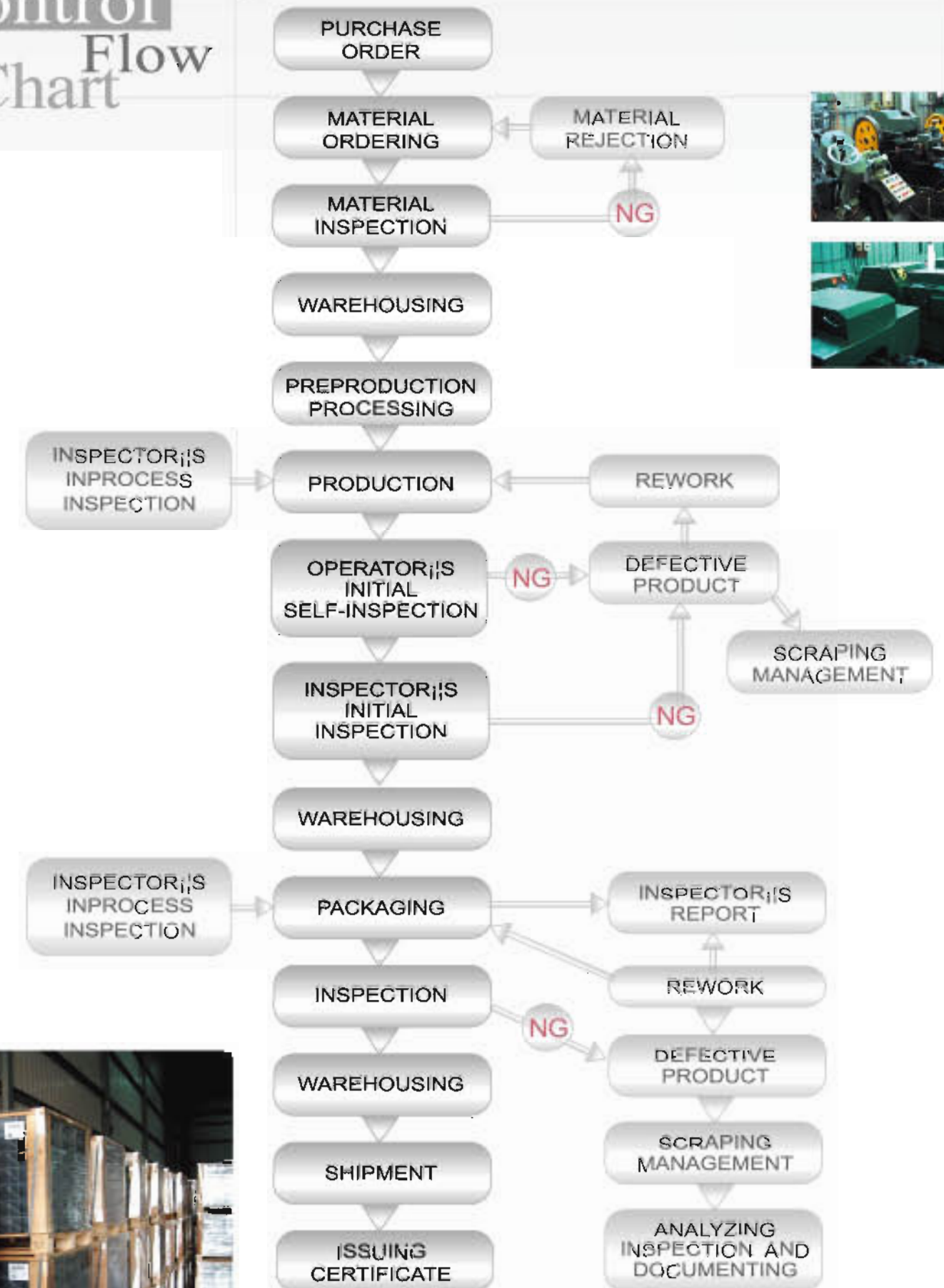
Fig.8
Hex Washer head type 17 Wood Screw

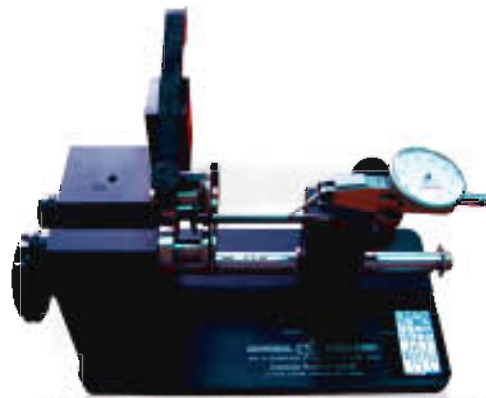
Fig.9
Hex Washer head type 17 Wood Screw

The required specification(s) offered in this test report is/are for reference only. The conformity judgment is at the Applicant's final verdict.

SGS Taiwan Ltd.

Quality Control Flow Chart





QUALITY CONTROL EQUIPMENT

Equipment	Function
Micro-Vickers Hardness	Hardness test with microcamera
Metallurgical Microscope	Metallography to improve mechanical quality
Rockwell Hardness	Hardness test with microcamera
Concentricity Gauge	Concentricity check
Microscope	Metallography to improve mechanical quality
Video Measuring Machine	Dimension check
Floor Type Universal Testing Machine	The force of pull apart, loading and tensile
Torque Wrench	Measure a torque strength
Drilling Testing Machine	The time to penetrate into metal sheet or wood
Abrasive Cutting Machine	Screw Cutting
Mounting Press	Screw Piece Mounting
Grinder and Polisher	Mounting sample grinding
Salt Spray Tester	Salt spray test for corrosion according to BS7479 (ISO9227)
Torque & Drilling Automatic Tester	Newest machine automatically drilling and measuring torque.

- 1 Torque Strength
- 2 Hardness Test(surface hardness ,core hardness)
- 3 Product Quality Inspection Record
- 4 Drilling Test
- 5 Material Certificate
- 6 Salt Spray Test

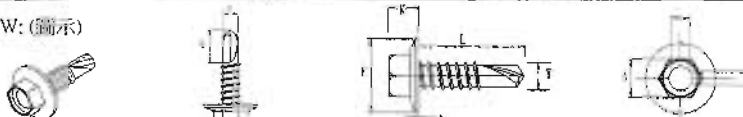


Test Reporting

JCY

MASTERPIECE HARDWARE INDUSTRIAL CO., LTD.
No. 602, Jiadian Rd., Hemei Town, Changhua Country
508, Taiwan R.O.C
TEL: 886-4-7519835 . 7519836 FAX: 886-4-7519887
DIMENSION CHECK REPORT(成品檢驗記錄表)

WORKING FILE NO.: DCR070525A

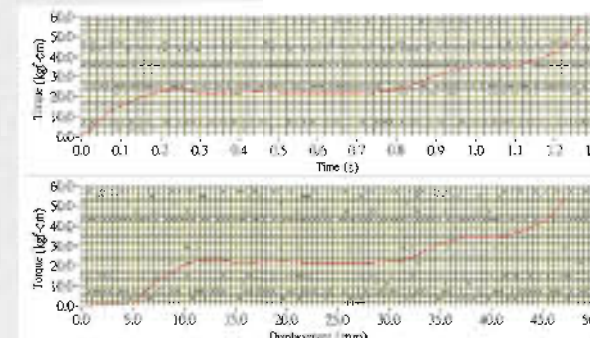
Order number: 訂單編號:		Items: 品名:	HEX WASHER HEAD SELF DRILLING SCREW			Size: 規格:		
QUANTITY 數量:		Date: 檢驗日:			Tested Qty: 數量:			
DRAW: (圖示)								
								
Inspect Item 項目	Standard 檢驗基準	Result after inspection 檢驗結果						
HEAD DIAMETER(A) 頭寬	10.9-11.3	11.02	10.97	11.11	10.99	11.06	10.97	11.12
HEAD HEIGHT (K) 頭厚	4.65	4.65	4.74	4.68	4.74	4.72	4.68	4.67
WASHER DIAMETER(F) 墊圈直徑	7.6-8.0	7.77	7.77	7.77	7.76	7.78	7.88	7.76
WASHER THICKNESS(N) 墊圈厚度	>1.0	1.04	1.02	1.03	1.00	1.00	1.02	1.05
THREAD DIAMETER (T)牙外徑	4.55-4.95	4.74	4.72	4.74	4.75	4.76	4.61	4.76
SCREW LENGTH(L) 螺絲長度	16-17	16.16	16.40	16.21	16.37	16.43	16.19	16.24
DRILLING WIDTH(G) 鑽孔寬	3.7-4.10	3.87	3.89	3.87	3.85	3.87	3.87	3.85
DRILLING LENGTH(G) 鑽孔長	6.0-7.4	6.66	6.63	6.78	7.06	6.77	6.87	6.91
THREAD PITCH (P) 牙距	1.58-1.6	V	V	V	V	V	V	V
c. Straightness 直度		V	V	V	V	V	V	V
d. Burr, Hole 毛邊, 孔		V	V	V	V	V	V	V
e. Color 色澤		V	V	V	V	V	V	V
f. Thru press mark on neck 頸部透牙痕		V	V	V	V	V	V	V
g. Teeth hurt 牙傷		V	V	V	V	V	V	V
Package 包裝	Customized 按客戶指定	V	Approval 合格 pass V			Non-approval 不合格 X		
JUDGED:		☐ PASSED ☐ NOT PASSED						

JUDGED: ☒ PASSED ☐ NOT PASSED

Factory Director:

QC品管:

5/25/2008







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specification

Masterpiece Hardware
Industrial Co., Ltd.

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