



2010

Screws

Machine Threads.



machine thread



Machine threads are usually functional with internal-threaded workpieces, such as nuts

Wood | Metal Sheet Threads.



A type thread



AB type thread



17 type thread

thread cutting tapping screw



Use in materials such as thin metal sheet, resin impregnated plywood, asbestos compositions.
17 type thread offers benefits of reducing torque, quicker start & penetration.



B type thread



BT type thread

thread cutting tapping screw



BP type thread



BF type thread

thread cutting tapping screw



Use in thin metal sheet, nonferrous casting, plastic, resin impregnated plywood, asbestos compositions.
BP type thread uses in piercing fabrics and combination holes may be misaligned.
BT type thread uses in material where disruptive internal stresses are undesirable or excessive driving torques are encountered w/ thread forming screws.



C type thread



T type thread

thread cutting tapping screw



Use in materials such as aluminum, zinc, die casting, steel sheet, steel shape, cast iron, brass, plastic. Use in application where the use of machine thread pitch screw is preferable to the use of spaced thread pitch screw, or chips from machine pitch thread cutting screws are objectionable.

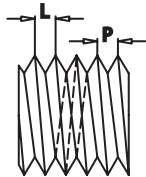


Hi-Lo thread



Use in materials such as plastic, nylon, wood, low-density compositions. With benefits of decline driving torque, improve pullout strength, lessen risks of cracking the workpiece, enhance resistance to thread stripping.

Multiple Threads.

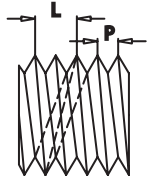


Single thread

P = Pitch = distance of 2 close threads peak
L = Lead = distance of screw goes forward after 1 turn



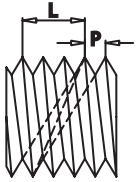
L = P, it goes forward the distance of pitch after every turn



Double thread



$L = 2P$, it goes forward the distance of twice pitch after every turn

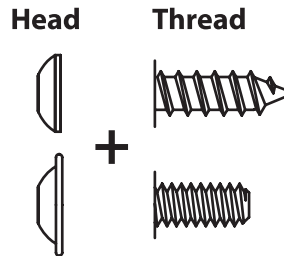


Triple thread



$L = 3P$, it goes forward the distance of triple pitch after every turn

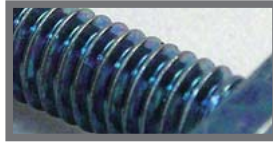
Any assemblage is possible.



Finishes.



Zinc



Blue Zinc



Yellow Zinc



Yellow Zinc



Black Oxide



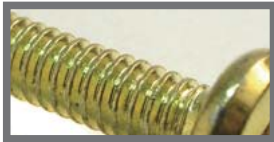
Plain



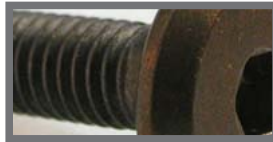
Black Zinc



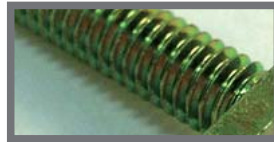
Nickel



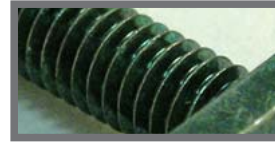
Bright Brass



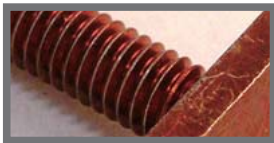
Antique Bronze



Green Zinc



Green Zinc



Red Zinc



Hot Dip Galvanized



Ruspert Silver

Self-Locking Features.



Patches



Nylok patches give stronger metal-to-metal contact and resistance to vibration and loose
reusable to 50 times
90° ~ 360° radial coverage
At this moment Taiwan Nylok Company is in charge of all of our applications



Serration



Serrated teeth under head higher the resistance of loosening



SEMS



Pre-assembled & free spinning washer or lock washer offers resistance of loosening,
technically all kinds of screws could be turned into SEMS screws,
please contact us for details when such requirement is needed.

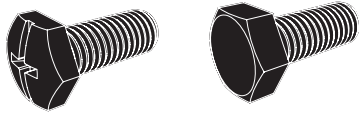
Mechanical Properties.

	Class								
ISO Grade	4.6	4.8	5.6	5.8	6.6	6.8	8.8	10.9	12.9
Brinell (HRB)	110-170		140-215		170-245		225-300	280-365	330-425
Rockwell (HRC)	n/a		n/a		n/a		18-31	27-38	34-44

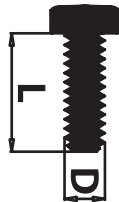
Hex Bolts.



Material. Steel / Stainless Steel



DxPitch	W	L
M5x0.8	8	8 - 100
M6x1.0	10	10 - 150
M8x1.25	12	12 - 150
M10x1.5	17	15 - 150
#10x24	8	8 - 100
1/4x20	10	10 - 150
5/16x18	12	12 - 150
3/8x16	17	15 - 150

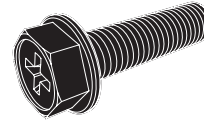


Hex Washer Head Screws.

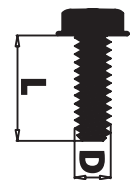


[serration under head]

Material. Steel / Stainless Steel



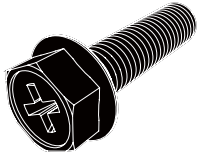
DxPitch	W	d	L
M6x1.0	10	14	8 - 100
M8x1.25	12	16	10 - 100
1/4x20	10	14	8 - 100
5/16x18	12	16	10 - 100



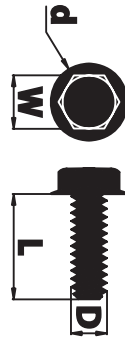
Hex Flange Screws.



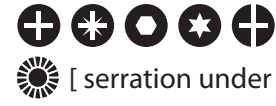
Material. Steel / Stainless Steel



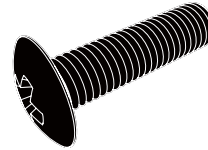
DxPitch	W	d	L
M6x1.0	10	14.2	8 - 100
M8x1.25	12	18	10 - 100
M10x1.5	17	22.3	10 - 100
1/4x20	10	14.2	8 - 100
5/16x18	12	18	10 - 100
3/8x16	17	22.3	10 - 100



Truss Head Screws.



Material. Steel / Stainless Steel




DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150

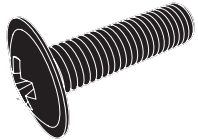


Truss Washer Head Screws.

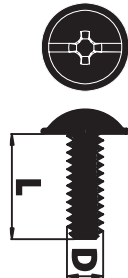


 [serration under head]

Material. Steel / Stainless Steel



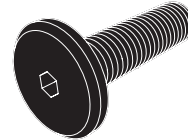
DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150



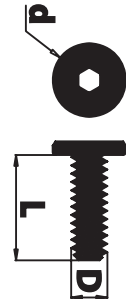
Flat Head Screws.



Material. Steel / Stainless Steel
Joint Connector Type BB/BC/BD



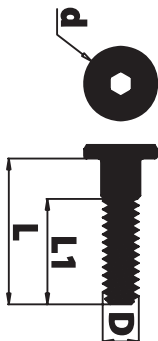
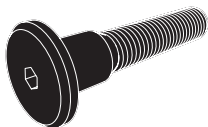
DxPitch	d	SW	L
M6x1.0	17	4	8 - 150
M8x1.25	17	5	10 - 150
M6x1.0	15	4	8 - 150
M8x1.25	15	5	10 - 150
M6x1.0	13	4	8 - 150
M8x1.25	13	5	10 - 150



Flat Head Screws.



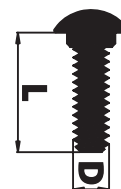
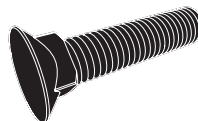
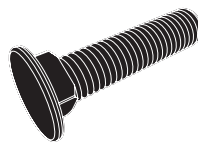
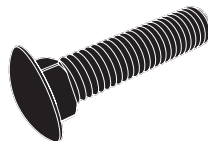
Material. Steel / Stainless Steel
Joint Connector Type BA



DxPitch	d	L 1	L
M6x1.0	15 - 17	10	20 - 50
M6x1.0	15 - 17	18	50 - 100
1/4x20	15 - 17	10	20 - 50
1/4x20	15 - 17	18	50 - 100

Carriage Bolts.

Material. Steel / Stainless Steel

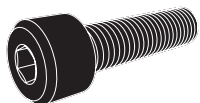


DxPitch	W	L
M5x0.8	5	8 - 100
M6x1.0	6	8 - 100
M8x1.25	8	10 - 150
M10x1.5	10	10 - 150

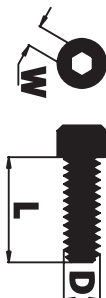
Socket Cap Head Screws.



Material. Steel
Grade 8.8 / 10.9 / 12.9



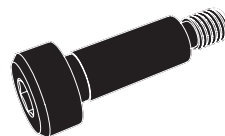
DxPitch	W	L
M3x0.5	2.5	5 - 50
M4x0.7	3	6 - 60
M5x0.8	4	9 - 80
M6x1.0	5	8 - 150
M8x1.25	6	10 - 150
M10x1.5	8	10 - 150
M12x1.75	10	15 - 160
M14x2.0	12	15 - 200
inch size is served upon request		



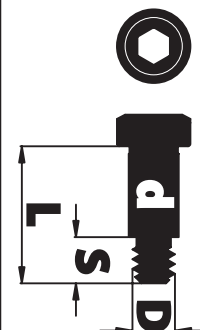
Shoulder Screws.



Material. Steel
Grade 12.9/Hardness HRC 39-44



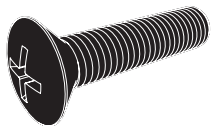
Dim.	d	Pitch	S	L
M6	5.99	M5x0.8	9.25-9.65	12-100
M6.5	6.49	M5x0.8	9.25-9.65	12-100
M8	7.99	M6x1.0	10.75-11.15	16-100
M10	9.99	M8x1.25	12.75-13.15	20-100
M12	11.98	M10x1.5	15.6-16.2	20-150
M13	12.98	M10x1.5	15.6-16.2	20-150
M16	15.98	M12x1.25	17.6-18.2	20-150



Oval Head Screws.



Material. Steel / Stainless Steel



DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150



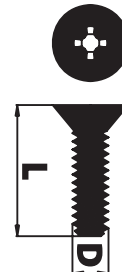
Countersunk Head Screws.



Material. Steel / Stainless Steel



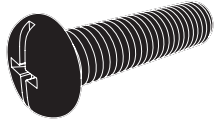
DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150



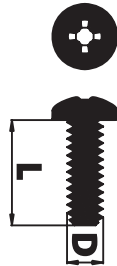
Pan Head Screws.



Material. Steel / Stainless Steel



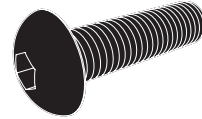
DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150



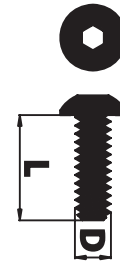
Round Head Screws.



Material. Steel / Stainless Steel




DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150

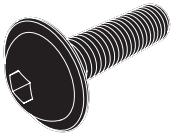


Round Washer Head Screws.

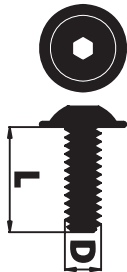


 [serration under head]

Material. Steel / Stainless Steel



DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 100
M8x1.25	12 - 150
#8x32	8 - 100
#10x24	8 - 100
1/4x20	8 - 100
5/16x18	12 - 150

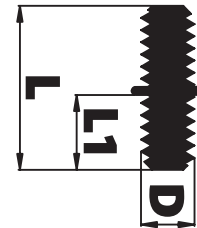


Connecting Bolts.

Material. Steel / Stainless Steel








DxPitch	L
M4x0.7	15 - 60
M5x0.8	15 - 80
M6x1.0	20 - 100
M8x1.25	20 - 120
M10x1.5	25 - 140



Set Screws.



Material. Steel / Stainless Steel

-  dog point
-  flat point
-  cone point
-  oval point
-  cup point

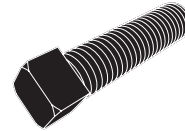


DxPitch	W	L
M3x0.5	1.5	4 - 20
M4x0.7	2	4 - 50
M5x0.8	2.5	5 - 50
M6x1.0	3	6 - 60
M8x1.25	4	6 - 60
M10x1.5	5	8 - 80
M12x1.75	6	10 - 80
M16x2.0	8	16 - 100
inch size is served upon request		



Square Head Set Screws.

Material. Steel / Stainless Steel

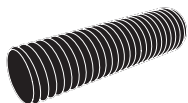


DxPitch	W	T	L
1/4x20	1/4	4.53-4.97	10 - 75
5/16x18	5/16	5.69-6.22	13 - 75
3/8x16	3/8	6.86-7.44	13 - 150
7/16x14	7/16	8.01-8.66	20 - 150
1/2x13	1/2	9.17-9.88	20 - 150
5/8x11	5/8	11.49-12.31	25 - 150
metric size is served upon request			



Thread Rods.

Material. Steel / Stainless Steel

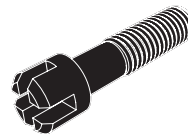


DxPitch	L
M4x0.7	20 - 1000
M5x0.8	20 - 1000
M6x1.0	20 - 3000
M8x1.25	20 - 3000
M10x1.5	25 - 4000
M12x1.75	30 - 4000
M14x2.0	40 - 5000



Chair Bolts.

Material. Steel / Stainless Steel

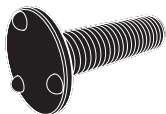


DxPitch	d	L
M6x1.0	10	30 - 90
M8x1.25	10	30 - 90
1/4x20	10	30 - 90
5/16x18	10	30 - 90

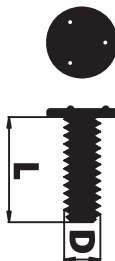


Weld Screws.

Material. Steel / Stainless Steel



DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150



Wing Screws.

Material. Steel / Stainless Steel



DxPitch	L
M4x0.7	8 - 20
M5x0.8	8 - 30
M6x1.0	8 - 40
M8x1.25	10 - 50
M10x1.5	16 - 50

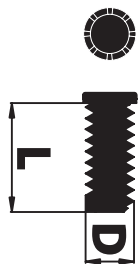


Clinching Screws.

Material. Steel / Stainless Steel

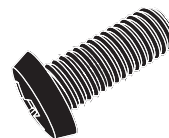


DxPitch	L
M3x0.5	6 - 20
M4x0.7	8 - 20
M5x0.8	8 - 30
M6x1.0	8 - 40
M8x1.25	10 - 50



Fillister Head Screws.

Material. Steel



DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150



Cheese Head Screws.



Material. Steel



DxPitch	L
M4x0.7	8 - 100
M5x0.8	8 - 100
M6x1.0	8 - 130
M8x1.25	10 - 150
M10x1.5	10 - 150

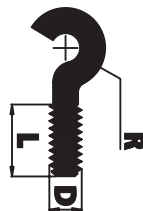


Hook Bolts Eye Bolts.

Material. Steel / Stainless Steel
R : Upon request



DxPitch	L
M4x0.7	8 - 40
M5x0.8	8 - 40
M6x1.0	10 - 50
M8x1.25	12 - 50
M10x1.5	15 - 60



Countersunk Head Screws.



Material. Steel
Stainless Steel



Type A



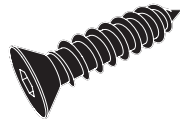
Type AB



Chipboard thread



Type B



Tapping Screws Type AB

D	L
#5 (ST3.3)	8 - 80
#6 (ST3.53)	8 - 80
#7 (ST3.91)	8 - 100
#8 (ST4.21)	8 - 100
#10 (ST4.8)	8 - 120
#12 (ST5.46)	8 - 140
1/4 (ST6.25)	10 - 150
5/16 (ST8)	12 - 150

Chipboard Screws

D	L
M3.0	8 - 80
M3.5	8 - 80
M4.0	8 - 100
M4.5	8 - 150
M5.0	8 - 150
M6.0	8 - 150



Bugal Head Screws.



Drywall Screws
Material. Steel/Stainless Steel



Coarse Thread - for greater holding in pine & soft porous wood



Fine Thread - for hardwood, ex. oak, maple



Coarse Thread

DxPitch	L
#6x9	8 - 25
#7x9	8 - 50
#8x9	8 - 80
#10x8	8 - 80

Fine Thread





DxPitch	L
#6x17	8 - 25
#7x16	8 - 50
#8x15	8 - 80
#10x12	8 - 80



Truss Head Screws.



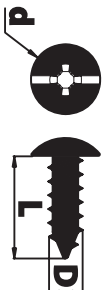
Material. Steel/Stainless Steel

-  Type A
-  Type AB
-  Chipboard thread
-  Type B



Tapping Screws Type AB	
D	L
#5 (ST3.3)	8 - 80
#6 (ST3.53)	8 - 80
#7 (ST3.91)	8 - 100
#8 (ST4.21)	8 - 100
#10 (ST4.8)	8 - 120
#12 (ST5.46)	8 - 140
1/4 (ST6.25)	10 - 150
5/16 (ST8)	12 - 150





DIN Metal Sheet Thread	
DxPitch	L
3.5x1.27	8 - 80
3.9x1.34	8 - 80
4.2x1.41	8 - 100
4.8x1.59	8 - 150
5.5x1.81	8 - 150
6.3x1.81	8 - 150
8.0x2.12	8 - 150



Truss Washer Head Screws.



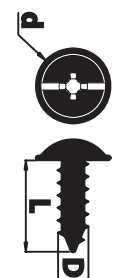
Material. Steel/Stainless Steel

-  Type A
-  Type AB
-  Chipboard thread
-  Type B



Tapping Screws Type AB	
D	L
#5 (ST3.3)	8 - 80
#6 (ST3.53)	8 - 80
#7 (ST3.91)	8 - 100
#8 (ST4.21)	8 - 100
#10 (ST4.8)	8 - 120
#12 (ST5.46)	8 - 140
1/4 (ST6.25)	10 - 150
5/16 (ST8)	12 - 150

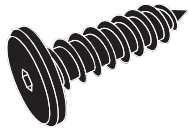
DIN Metal Sheet Thread	
DxPitch	L
3.5x1.27	8 - 80
3.9x1.34	8 - 80
4.2x1.41	8 - 100
4.8x1.59	8 - 150
5.5x1.81	8 - 150
6.3x1.81	8 - 150
8.0x2.12	8 - 150



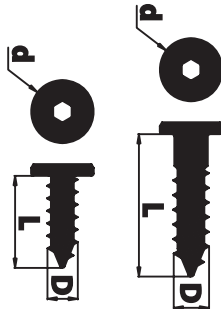
Flat Head Screws.



Material. Steel/Stainless Steel
Joint Connector Type BW/DW/CW



D	d	L
M6.3	17	15 - 150
M7	17	15 - 150
M6.3	15	15 - 150
M7	15	15 - 150
M6.3	13	15 - 150
M7	13	15 - 150



Pan Head Screws.



Material. Steel/Stainless Steel



Type A



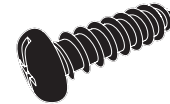
Type AB



Chipboard thread



Type B



Tapping Screws Type AB

D	L
#5 (ST3.3)	8 - 80
#6 (ST3.53)	8 - 80
#7 (ST3.91)	8 - 100
#8 (ST4.21)	8 - 100
#10 (ST4.8)	8 - 120
#12 (ST5.46)	8 - 140
1/4 (ST6.25)	10 - 150
5/16 (ST8)	12 - 150

DIN Metal Sheet Thread

DxPitch	L
3.5x1.27	8 - 80
3.9x1.34	8 - 80
4.2x1.41	8 - 100
4.8x1.59	8 - 150
5.5x1.81	8 - 150
6.3x1.81	8 - 150
8.0x2.12	8 - 150



Oval Head Screws.



Material. Steel/Stainless Steel



Type A



Type AB



Chipboard thread



Type B



Tapping Screws Type AB	
D	L
#5 (ST3.3)	8 - 80
#6 (ST3.53)	8 - 80
#7 (ST3.91)	8 - 100
#8 (ST4.21)	8 - 100
#10 (ST4.8)	8 - 120
#12 (ST5.46)	8 - 140
1/4 (ST6.25)	10 - 150
5/16 (ST8)	12 - 150

DIN Metal Sheet Thread	
DxPitch	L
3.5x1.27	8 - 80
3.9x1.34	8 - 80
4.2x1.41	8 - 100
4.8x1.59	8 - 150
5.5x1.81	8 - 150
6.3x1.81	8 - 150
8.0x2.12	8 - 150



Round Washer Head Screws.



Material. Steel/Stainless Steel



Type A



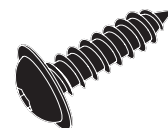
Type AB



Chipboard thread

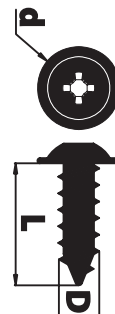


Type B



Tapping Screws Type AB	
D	L
#5 (ST3.3)	8 - 80
#6 (ST3.53)	8 - 80
#7 (ST3.91)	8 - 100
#8 (ST4.21)	8 - 100
#10 (ST4.8)	8 - 120
#12 (ST5.46)	8 - 140
1/4 (ST6.25)	10 - 150
5/16 (ST8)	12 - 150

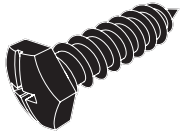
DIN Metal Sheet Thread	
DxPitch	L
3.5x1.27	8 - 80
3.9x1.34	8 - 80
4.2x1.41	8 - 100
4.8x1.59	8 - 150
5.5x1.81	8 - 150
6.3x1.81	8 - 150
8.0x2.12	8 - 150



Hex Head Screws.



Material. Steel/Stainless Steel



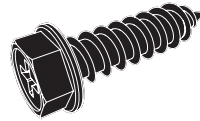
DIN Wood Thread		
DxPitch	W	L
M4x1.8	7	15 - 150
M5x2.2	8	15 - 150
M6x2.6	10	15 - 150
M8x3.2	13	15 - 150
M10x3.6	17	15 - 150
M12x5.0	19	15 - 150
inch size is served upon request		



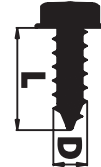
Hex Washer Head Screws.



Material. Steel/Stainless Steel



DIN Wood Thread		
DxPitch	W	L
M4x1.8	7	15 - 150
M5x2.2	8	15 - 150
M6x2.6	10	15 - 150
M8x3.2	13	15 - 150
M10x3.6	17	15 - 150
M12x5.0	19	15 - 150
inch size is served upon request		



Cap Head Screws.



Material. Steel/Stainless Steel



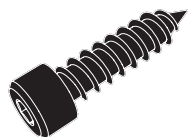
Type A



Type AB



Type B



Tapping Screws Type AB

D	L
#5 (ST3.3)	8 - 80
#6 (ST3.53)	8 - 80
#7 (ST3.91)	8 - 100
#8 (ST4.21)	8 - 100
#10 (ST4.8)	8 - 120
#12 (ST5.46)	8 - 140
1/4 (ST6.25)	10 - 150
5/16 (ST8)	12 - 150



Hanger Bolts.

Material. Steel/Stainless Steel



DxPitch	L
M4x0.7	20 - 70
M5x0.8	20 - 70
M6x1.0	20 - 100
M8x1.25	20 - 100
M10x1.5	20 - 100
#8x32	20 - 70
#10x24	20 - 70
1/4x20	20 - 100
5/16x18	20 - 100
3/8x16	20 - 100



Dowel Screws.

Material. Steel/Stainless Steel



DxPitch	L
M4x0.7	20 - 70
M5x0.8	20 - 70
M6x1.0	20 - 100
M8x1.25	20 - 100
M10x1.5	20 - 100
#8x32	20 - 70
#10x24	20 - 70
1/4x20	20 - 100
5/16x18	20 - 100
3/8x16	20 - 100



Confirmat Screws.



Material. Steel/Stainless Steel



D	L
M5	40 - 50
M6.3	40 - 70
M7	40 - 70



Euro Screws.



Material. Steel/Stainless Steel



Flat Head



Pan Head

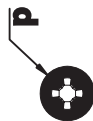


Truss Head



Round Head

D	L
M4.4	8 - 30
M5.5	8 - 30
M6.0	8 - 30
M6.3	8 - 30
M6.6	8 - 30



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