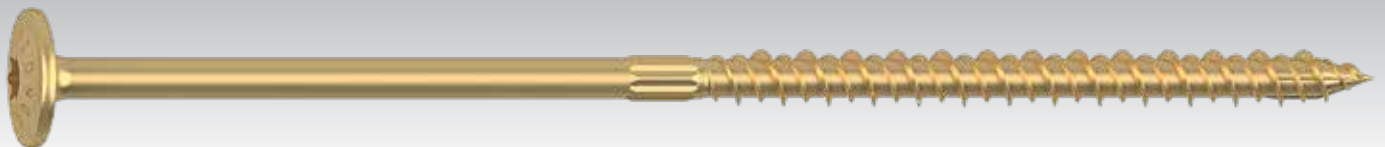


The new RAPID®

Innovation can be so easy

NEW

additionally
with adapted and
adjusted bit in the package



Countersunk head



Washer head



SuperSenkFix



Dual

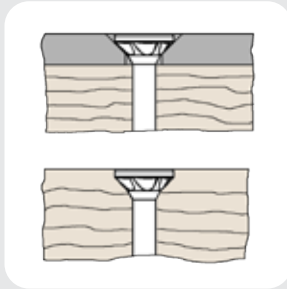
Proven quality
produced in-house
Made in Austria

The new RAPID[®]

The next generation in wood construction

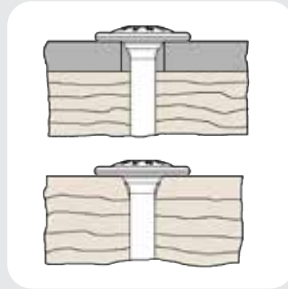
Head types

Countersunk head



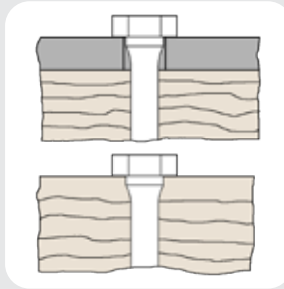
- > Can be completely sunken into wood or prefabricated steel panels.
- > Milling pockets prevent the wood from splintering and tearing

Wafer head



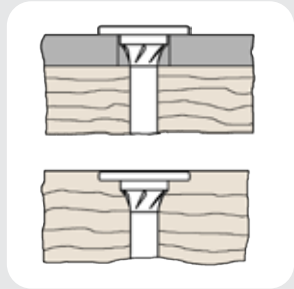
- > Improved head pull-through values for more sturdy connections
- > No additional washers required, which speeds up processing

Dual head



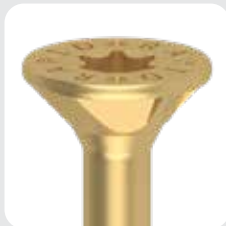
- > Improved power transfer with hex drive – especially when screwing into high-density wood and when using impact drivers
- > The additional TX drive makes switching tools redundant

SuperSenkFix head



- > Innovative combination between countersunk and wafer head that securely screws into steel.
- > Clean screwing connected with high pull-through values

Proven TX drive



NEW
with adapted and
adjusted bit in the package

- > Robust TX drive for optimum power transfer

Head labelling



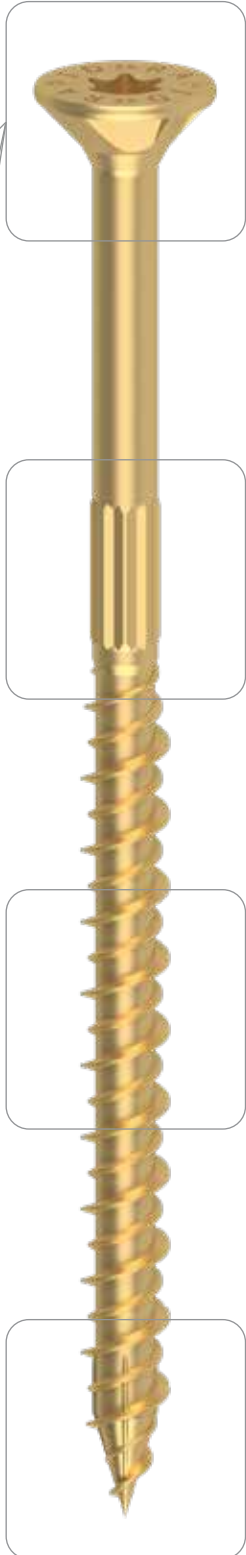
- > Length indicated on screw head from Ø 8 mm

NEW

Milling pockets

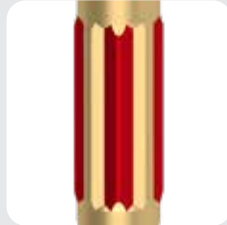


- > For optimum and clean processing
- > No more surface damage due to splintering or cracking when screwing



Straight friction part

NEW



- > The innovation in hard wood screw development
- > Minimal effort thanks to significantly reduced screw-in resistance from the friction part
- > Increased screwing tool battery life thanks to lower screw-in resistance

Updated HiLo-thread



- > Dual threads with high and low flanks
- > Time savings thanks to accelerated screwing processes – compared to conventional wood building screws
- > Exceptional technical values guarantee secure connections even when screwing at an angle and into end-grain wood

Grooved thread



- > Reduces cracking effect and screw-in resistance thanks to cutting function
- > Facilitates the screw's cutting function with its wave profile on the flanks

NEW



- > Saves time by biting instantly and precisely
- > Significantly lower cracking effects in comparison with conventional timber construction screws.



RAPID[®] product range

Head type, specifications, drive and surfaces

		Countersunk head		Wafer head	SuperSenkFix	Dual
		≤ 25 mm	≥ 30 mm			
						
Ø 3.0	Torx	T10		–	–	–
	Length	16 – 45 mm		–	–	–
	Thread	EG*	HiLo*	–	–	–
	Under-head	Milling pockets		–	–	–
Ø 3.5	Torx	T20		–	–	–
	Length	16 – 50 mm		–	–	–
	Thread	EG	HiLo	–	–	–
	Under-head	Milling pockets		–	–	–
Ø 4.0	Torx	T20		–	–	–
	Length	20 – 70 mm		–	–	–
	Thread	EG	HiLo	–	–	–
	Under-head	Milling pockets		–	–	–
Ø 4.5	Torx	T20		–	–	–
	Length	20 – 80 mm		–	–	–
	Thread	EG	HiLo	–	–	–
	Under-head	Milling pockets		–	–	–
Ø 5.0	Torx	T25		–	–	–
	Length	20 – 120 mm		–	–	–
	Thread	EG	HiLo	–	–	–
	Under-head	Milling pockets		–	–	–
Ø 6.0	Torx	T30				–
	Length	50 – 300 mm		60 – 300 mm	80 – 300mm	–
	Thread	–	HiLo			–
	Under-head	Milling pockets		smooth	Cone	–
Ø 8.0	Torx	–	T40			T30
	Length	80 – 500 mm		80 – 500 mm	80 – 400 mm	50 – 400 mm
	Thread	–	HiLo			–
	Under-head	–	Milling pockets	smooth	Cone	Cone
Ø 10.0	Torx	–	T50			T40
	Length	80 – 500 mm		100 – 500 mm	120 – 400 mm	60 – 400 mm
	Thread	–	HiLo			–
	Under-head	–	Milling ribs	smooth	Cone	Cone
Ø 12.0	Torx	–	T50	–	–	T40
	Length	100 – 400 mm		–	–	80 – 400 mm
	Thread	–	EG	–	–	EG
	Under-head	–	Milling ribs	–	–	Cone
Surface		YellWin 500+ 			BlueWin 700+ 	BlueWin 

* EG: Single thread | HiLo: Dual thread

RAPID[®] CARPENTER LINE

RAPID [®] countersunk head Carpenter Line			
		≤ 25 mm	≥ 30 mm
Ø 3.5	Torx	T20	
	Length	16 – 50 mm	
	Thread	EG	HiLo
	Under-head	Milling pockets	
Ø 4.0	Torx	T20	
	Length	20 – 70 mm	
	Thread	EG	HiLo
	Under-head	Milling pockets	
Ø 4.5	Torx	T20	
	Length	20 – 80 mm	
	Thread	EG	HiLo
	Under-head	Milling pockets	
Ø 5.0	Torx	T20	
	Length	20 – 120 mm	
	Thread	EG	HiLo
	Under-head	Milling pockets	



New from Schmid Schrauben Hainfeld.

With our Carpenter Line we offer a dedicated range of products that features three diameters yet uses the same bit size - T20.

Thanks to this innovation, frequently changing bits is a thing of the past. This makes your work processes even faster and more efficient.

NEW

with adapted and
adjusted bit in the package

YellWin 500+
Surface



Your benefits

- ✓ No more changing bits
- ✓ More efficient work processes

Screw geometry and diameters - basic values

d	[mm]	ø 6	ø 8	ø 10	ø 12
d _{k,SK}	[mm]	12	15	18.5	20
d _{k,TK}	[mm]	14	20	25	-
d _i	[mm]	3,9	5,3	6,8	7,0
f _{ax,90,k}	[N/mm²]	13,0	10,9	11,0	11,2
f _{head,SK}	[N/mm²]	14,6	12,4	12,2	11,0
f _{head,TK}	[N/mm²]	16,7	17,6	15,2	-
F _{tens,k}	[kN]	13,1	23,3	35,0	42,0
M _{y,k}	[Nmm]	10.700	22.600	33.600	46.900

Valid for C24 ($\rho_s=350\text{kg/m}^3$)

Axis to fiber: 90°

F_{ax,k} ... extraction resistance

F_{head,k} ... head traction resistance

F_{v,Rk} ... shearing

Steel - Wood: l_{ef} = thread length b

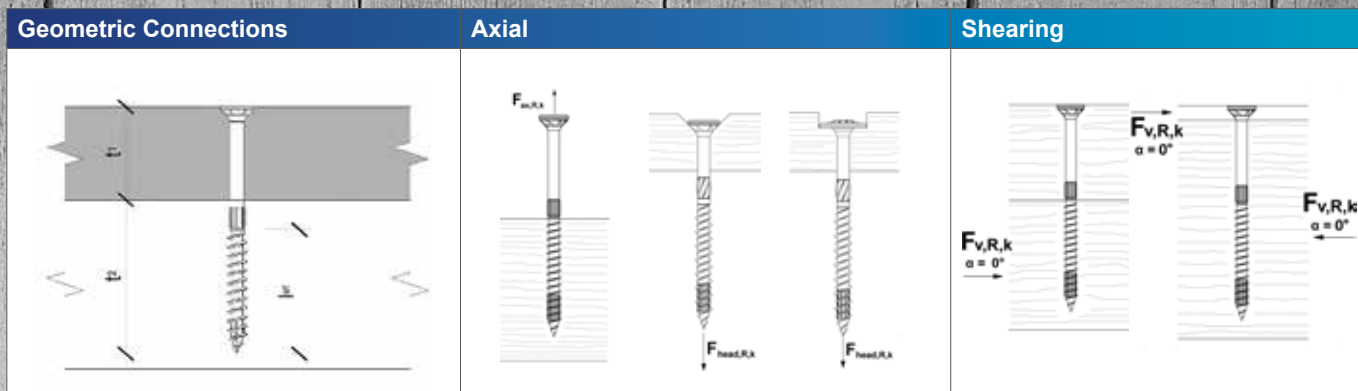


Values for C24	Wood - Wood (TK = Washer head)						Steel - Wood (SK = Countersunk head)				
ø x L/Lgew	t _{1,min}	t _{1,max}		F _{head,Rk,Tk}	F _{ax,Rk}	F _{V,Rk,min}	F _{V,Rk,max}		F _{ax,Rk}	F _{V,Rk,dünn}	F _{V,Rk,dick}
	[mm]	[mm]		[kN]	[kN]	[kN]	[kN]		[kN]	[kN]	
6 x 70/40	24	30		-	3,12	2,04	2,18		3,12	2,47	3,17
6 x 80/50	24	30		3,27	3,90	2,08	2,22		3,90	2,66	3,36
6 x 90/50	24	40		-	3,90	2,08	2,49		3,90	2,66	3,36
6 x 100/60	24	40		3,27	4,68	2,08	2,49		4,68	2,86	3,56
6 x 110/60	24	50		-	4,68	2,08	2,51		4,68	2,86	3,56
6 x 120/70	24	50		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 130/70	24	60		-	5,46	2,08	2,51		5,46	3,05	3,75
6 x 140/70	24	70		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 150/70	24	80		-	5,46	2,08	2,51		5,46	3,05	3,75
6 x 160/70	24	90		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 180/70	24	110		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 200/70	24	130		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 220/70	24	150		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 240/70	24	170		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 260/70	24	190		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 280/70	24	210		3,27	5,46	2,08	2,51		5,46	3,05	3,75
6 x 300/70	24	230		3,27	5,46	2,08	2,51		5,46	3,05	3,75

Values for C24	Wood - Wood (Tk = Washer head)						Steel - Wood (SK = Countersunk head)				
ø x L/Lgew	t _{1,min}	t _{1,max}		F _{head,Rk,Tk}	F _{ax,Rk}	F _{V,Rk,min}	F _{V,Rk,max}		F _{ax,Rk}	F _{V,Rk,dünn}	F _{V,Rk,dick}
	[mm]	[mm]		[kN]	[kN]	[kN]	[kN]		[kN]	[kN]	
8 x 80/50	30	30		7,04	4,36	3,08	3,08		4,36	3,54	4,93
8 x 90/60	30	30		-	5,23	3,30	3,30		5,23	4,02	5,14
8 x 100/60	30	40		7,04	5,23	3,30	3,58		5,23	4,02	5,14
8 x 120/80	30	40		7,04	6,98	3,69	4,02		6,98	4,46	5,58
8 x 140/80	30	60		7,04	6,98	3,69	4,46		6,98	4,46	5,58
8 x 160/80	30	80		7,04	6,98	3,69	4,46		6,98	4,46	5,58
8 x 180/100	30	80		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 200/100	30	100		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 220/100	30	120		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 240/100	30	140		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 260/100	30	160		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 280/100	30	180		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 300/100	30	200		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 320/100	30	220		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 340/100	30	240		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 360/100	30	260		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 380/100	30	280		7,04	8,72	3,69	4,47		8,72	4,89	6,02
8 x 400/100	30	300		7,04	8,72	3,69	4,47		8,72	4,89	6,02

full tables available as download at: www.schmid-screw.com/en

8 x 500/100	30	400		7,04	8,72	3,69	4,47		8,72	4,89	6,02
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Values for C24		Wood - Wood (TK = Washer head)						Steel - Wood (SK = Countersunk head)			
ø x L/Lgew	t _{1,min}	t _{1,max}		F _{head,Rk,Tk}	F _{ax,Rk}	F _{V,Rk,min}	F _{V,Rk,max}		F _{ax,Rk}	F _{V,Rk,dünn}	F _{V,Rk,dick}
	[mm]	[mm]		[kN]	[kN]	[kN]	[kN]		[kN]	[kN]	[kN]
10 x 80/50	40	40		-	4,40	3,48	3,48		5,50	4,03	6,21
10 x 100/60	40	40		9,50	6,60	4,47	4,47		6,60	5,18	6,71
10 x 120/80	40	40		9,50	8,80	5,02	5,02		8,80	5,78	7,26
10 x 140/80	40	60		9,50	8,80	5,02	5,78		8,80	5,78	7,26
10 x 160/80	40	80		9,50	8,80	5,02	5,78		8,80	5,78	7,26
10 x 180/100	40	80		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 200/100	40	100		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 220/100	40	120		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 240/100	40	140		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 260/100	40	160		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 280/100	40	180		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 300/100	40	200		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 320/100	40	220		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 340/100	40	240		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 360/100	40	260		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 380/100	40	280		9,50	11,0	5,19	5,95		11,0	6,33	7,81
10 x 400/100	40	300		9,50	11,0	5,19	5,95		11,0	6,33	7,81
full tables available as download at: www.schmid-screw.com/en											
10 x 500/100	40	400		9,50	11,0	5,19	5,95		11,0	6,33	7,81

Values for C24		Wood - Wood (TK = Washer head)						Steel - Wood (SK = Countersunk head)			
ø x L/Lgew	t _{1,min}	t _{1,max}		F _{head,Rk,Tk}	F _{ax,Rk}	F _{V,Rk,min}	F _{V,Rk,max}		F _{ax,Rk}	F _{V,Rk,dünn}	F _{V,Rk,dick}
	[mm]	[mm]		[kN]	[kN]	[kN]	[kN]		[kN]	[kN]	[kN]
12 x 160/80	80	80		4,40	10,8	5,60	5,60		10,8	7,19	9,06
12 x 180/100	80	80		4,40	13,4	5,60	5,60		13,4	7,86	9,73
12 x 200/100	80	100		4,40	13,4	5,60	5,60		13,4	7,86	9,73
12 x 220/100	80	120		4,40	13,4	5,60	5,60		13,4	7,86	9,73
12 x 240/100	80	140		4,40	13,4	5,60	5,60		13,4	7,86	9,73
12 x 260/100	80	160		4,40	13,4	5,60	5,60		13,4	7,86	9,73
12 x 280/100	80	180		4,40	13,4	5,60	5,60		13,4	7,86	9,73
12 x 300/120	80	180		4,40	16,1	5,60	5,60		16,1	8,53	10,4
12 x 320/120	80	220		4,40	16,1	5,60	5,60		16,1	8,53	10,4
12 x 340/120	80	240		4,40	16,1	5,60	5,60		16,1	8,53	10,4
12 x 360/120	80	260		4,40	16,1	5,60	5,60		16,1	8,53	10,4
12 x 380/120	80	280		4,40	16,1	5,60	5,60		16,1	8,53	10,4
12 x 400/120	80	300		4,40	16,1	5,60	5,60		16,1	8,53	10,4

Your benefits

with Schmid Schrauben

By choosing Schmid Schrauben products you can capitalize on a range of benefits that are a matter of course for us.

From European sources to high social and production standards to the sustainability of our products: Schmid Schrauben is your reliable partner.

www.schmid-screw.com/en

Specially hardened

Our screws are viscoplastic and have a bending angle of 45°. Elastic yet super strong.

Structural values

Our screws feature exceptionally high values, which means you need less screws in total.

Product safety checks

Starting at the raw materials extending to the finished product. Every step is being documented and can be traced

Experience

We have been specialised in the production of wood building screws and special components for more than 175 years.

Highest quality

We produce in accordance with ISO 9.001

Made in Austria

Value creation in Austria/Europe

Technical Support

Calculations, know-how or product advice – we are there for you! Technical support, joint product development and much more.





Wide range

We offer you a wide range of solutions

Focussing on the customer

All special dimensions, lengths and diameters:
The right solution for every application.

Always available

Our range of products is always available for you.

Safety

Our screws meet the European Technical
Approval ETA 12/0373.

Short transport routes

For a small ecological footprint

Sustainability

We take our responsibility
seriously and produce in accordance with
ISO 14001 and ISO 50001.



Raw materials from Europe

Ensuring a continuous European value creation chain

For connections that last.

More than 175 years of experience in producing fasteners

SCHMID SCHRAUBEN

With more than 175 years of experience, Schmid Schrauben is among Austria's technological leaders in the production of screws and fastening technology.

A technological edge, flexible production, tailored packaging and fast delivery make up the core values of Schmid Schrauben.

Apart from its in-house brands of RAPID® and StarDrive GPR® as well as other product lines, Schmid Schrauben develops and produces special products at lengths of up to 1,500 mm.

PROVEN CLASS

No matter what Schmid Schrauben screw you go for, you know you put your trust in a manufacturer that knows what they're doing: Schmid Schrauben has been certified in accordance with ISO 14001, ISO 9001 and ISO 50001 as well as ETA and EN14592.

QUALITY THAT CONNECTS

Leading and proven screw technology for connections that last. Between you and your customers too: Thanks to exceptional delivery capabilities and the personal service provided by Schmid Schrauben.

DEDICATED TO QUALITY

Under the new ETA, the statutory obligation for external monitoring of production is eliminated. Even though we are convinced that our internal quality assurance system works excellently, we want to provide our customers with complete peace of mind and will continue to have ourselves reviewed by external bodies. This is why we partner with Holzforschung Austria, a renowned institution, that continuously reviews our exceptional standards. From now on, our products therefore boast the "HFA reviewed" seal of quality, making sure you receive technically flawless products.

Proven quality
produced in-house.
Made in Austria.

The new **RAPID®**



For connections that last.

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Wood-Wood | Metal-Wood | Wood-Concrete Joining Systems