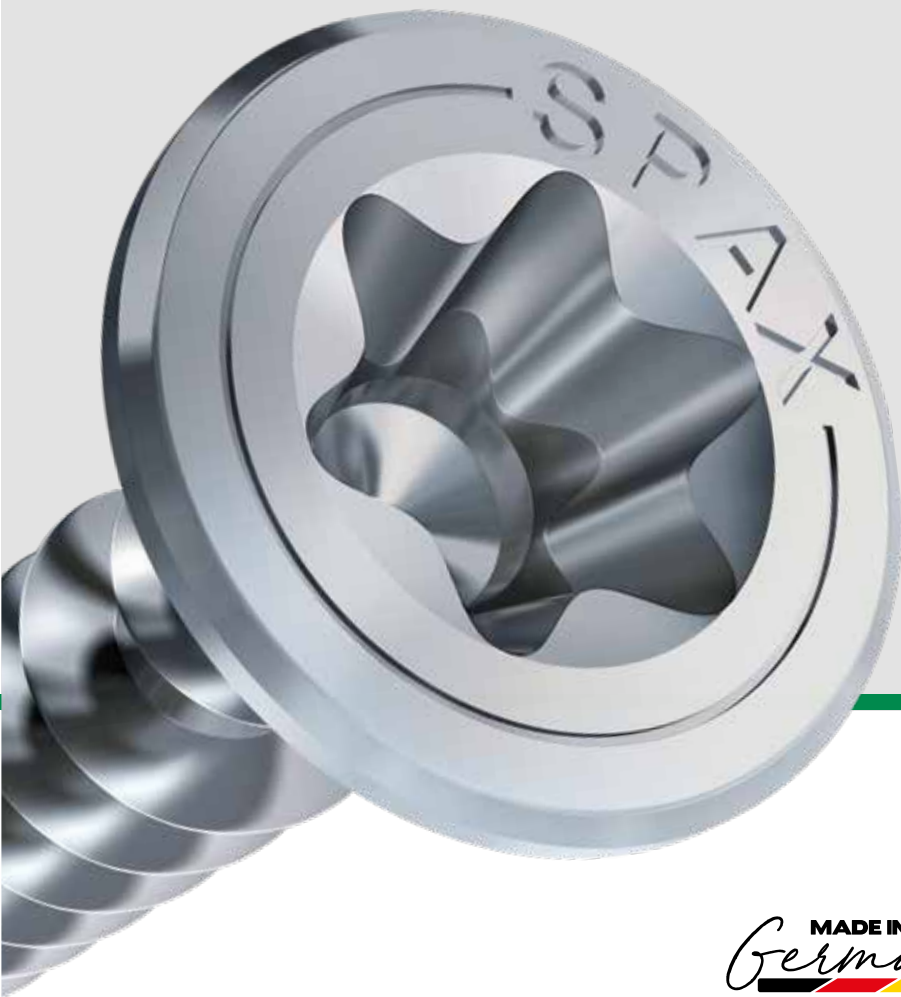


PRODUCT
CATALOGUE



SPAX – THE UNIVERSAL SCREW

Flat Countersunk Head

T-STAR plus

WIROX®4–10

SPAX – FOR TIMBER CONSTRUCTION

Flat countersunk head

Full thread/Partial thread **DELTA®-SEAL**14–21

Washer head

Full thread/Partial thread **DELTA®-SEAL**22–27

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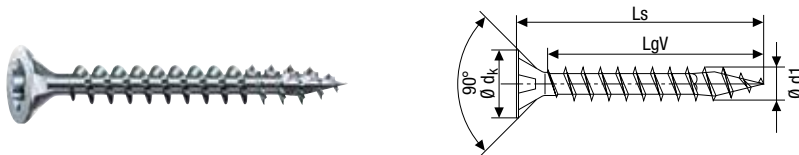
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A3J

Flat countersunk head, T-STAR *plus*

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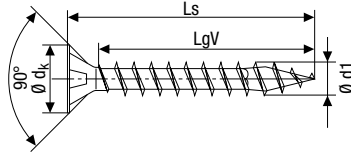
A3J

4CUT, MULTI Head, case hardened, slide-coated

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1			T					
3.0 *	Standard package							
	12	10	10	1,000	10,000	1,120,000	1191010300125	4003530105999
	16	14	10	1,000	10,000	1,120,000	1191010300165	4003530106002
	20	17	10	1,000	10,000	630,000	1191010300205	4003530106019
	25	21	10	1,000	10,000	630,000	1191010300255	4003530110276
	30	26	10	1,000	10,000	320,000	1191010300305	4003530106026
	Craft package							
	12	10	10	200	2,000	470,000	1191010300123	4003530101083
	16	14	10	200	2,000	470,000	1191010300163	4003530101090
	20	17	10	200	2,000	260,000	1191010300203	4003530101113
	25	21	10	200	2,000	260,000	1191010300253	4003530110245
	30	26	10	200	2,000	260,000	1191010300303	4003530101359
	Standard package							
	15	11	20**	1,000	10,000	630,000	1191010350155	4003530168574
	16	13	20**	1,000	10,000	630,000	1191010350165	4003530148040
3.5	20	16	20**	1,000	10,000	630,000	1191010350205	4003530106033
	25	21	20**	1,000	10,000	320,000	1191010350255	4003530111150
	30	25	20**	1,000	10,000	320,000	1191010350305	4003530106101
	35	30	20**	1,000	10,000	320,000	1191010350355	4003530106446
	40	35	20**	1,000	10,000	280,000	1191010350405	4003530106453
	45	40	20**	1,000	10,000	280,000	1191010350455	4003530106460
	Craft package							
	16	13	20**	200	2,000	260,000	1191010350163	4003530148743
	20	16	20**	200	2,000	260,000	1191010350203	4003530101366
	25	21	20**	200	2,000	260,000	1191010350253	4003530110252
	30	25	20**	200	2,000	260,000	1191010350303	4003530101373
	35	30	20**	200	2,000	224,000	1191010350353	4003530101571
	40	35	20**	200	2,000	224,000	1191010350403	4003530101588
	45	40	20**	200	2,000	126,000	1191010350453	4003530101663

* alternative design

** Switchover to T20



Flat countersunk head, T-STAR *plus*

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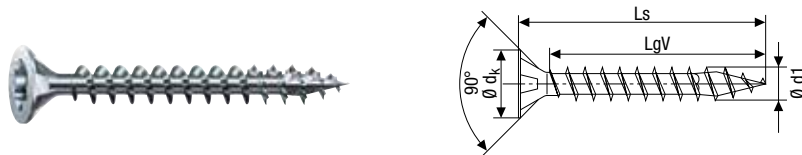
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4CUT, MULTI Head, case hardened, slide-coated

A3J



Dimensions [mm]				Packaging units			SPAX-No.	EAN code	
Thread Ø	Length total	Length full thread	BIT size	SPAX BOX	Master carton	Pallet qty			
d1	Ls	LgV	T	[pieces]	[pieces]				
4.0 Ø d _k = 8.0mm	Standard package								
	15	11	20	1,000	10,000	630,000	1191010400155	4003530157394	
	16	13	20	1,000	10,000	630,000	1191010400165	4003530155482	
	20	16	20	1,000	10,000	630,000	1191010400205	4003530148798	
	25	21	20	1,000	10,000	320,000	1191010400255	4003530111174	
	30	25	20	1,000	10,000	320,000	1191010400305	4003530107191	
	35	30	20	1,000	10,000	280,000	1191010400355	4003530107825	
	40	35	20	1,000	10,000	280,000	1191010400405	4003530107863	
	45	40	20	500	5,000	160,000	1191010400455	4003530107887	
	50	45	20	500	5,000	140,000	1191010400505	4003530107917	
	Craft package								
	25	21	20	200	2,000	260,000	1191010400253	4003530110269	
	30	25	20	200	2,000	224,000	1191010400303	4003530102219	
	35	30	20	200	2,000	224,000	1191010400353	4003530102233	
	40	35	20	200	2,000	126,000	1191010400403	4003530102240	
	45	40	20	200	2,000	126,000	1191010400453	4003530102615	
	50	45	20	200	2,000	126,000	1191010400503	4003530103377	
	4.5 Ø d _k = 8.8mm	Standard package							
		16	13	20	1,000	10,000	630,000	1191010450165	4003530178382
20		15	20	1,000	10,000	320,000	1191010450205	4003530169847	
25		20	20	1,000	10,000	320,000	1191010450255	4003530169854	
30		25	20	1,000	10,000	280,000	1191010450305	4003530169861	
35		30	20	500	5,000	160,000	1191010450355	4003530107924	
40		34	20	500	5,000	160,000	1191010450405	4003530107931	
45		39	20	500	5,000	140,000	1191010450455	4003530108051	
50		44	20	500	5,000	140,000	1191010450505	4003530108068	
60		54	20	500	5,000	140,000	1191010450605	4003530108075	
70		59	20	500	2,500	140,000	1191010450705	4003530108082	
Craft package									
35		30	20	200	2,000	126,000	1191010450353	4003530103575	
40		34	20	200	2,000	126,000	1191010450403	4003530103667	
45		39	20	200	2,000	126,000	1191010450453	4003530103681	
50		44	20	200	2,000	64,000	1191010450503	4003530103698	
60		54	20	100	1,000	63,000	1191010450603	4003530103933	
70		59	20	100	1,000	32,000	1191010450703	4003530104077	



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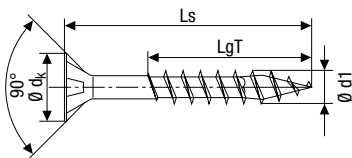
Flat countersunk head, T-STAR *plus*

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4CUT, MULTI Head, case hardened, slide-coated

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1			T					
5.0 Ø dk = 9.7mm	Standard package							
	20	15	20	1,000	10,000	320,000	1191010500205	4003530169878
	25	20	20	1,000	10,000	320,000	1191010500255	4003530169885
	30	25	20	500	5,000	160,000	1191010500305	4003530169892
	35	30	20	500	5,000	160,000	1191010500355	4003530169908
	40	35	20	500	5,000	140,000	1191010500405	4003530109003
	45	39	20	500	5,000	140,000	1191010500455	4003530109447
	50	44	20	500	5,000	140,000	1191010500505	4003530109454
	60	54	20	500	2,500	140,000	1191010500605	4003530109553
	70	61	20	200	2,000	64,000	1191010500705	4003530109560
	80	61	20	200	2,000	64,000	1191010500805	4003530109683
	Craft package							
	40	35	20	200	2,000	126,000	1191010500403	4003530105814
	45	39	20	200	2,000	126,000	1191010500453	4003530105869
	50	44	20	200	2,000	64,000	1191010500503	4003530105890
	60	54	20	100	1,000	63,000	1191010500603	4003530105906
	70	61	20	100	1,000	32,000	1191010500703	4003530105913
	80	61	20	100	1,000	32,000	1191010500803	4003530105920
6.0 Ø dk = 11.6mm	Standard package							
	50	43	30	200	2,000	64,000	1191010600505	4003530109690
	60	53	30	200	2,000	56,000	1191010600605	4003530109706
	70	61	30	200	2,000	56,000	1191010600705	4003530109843
	80	61	30	200	2,000	56,000	1191010600805	4003530110238
	Craft package							
	50	43	30	100	1,000	32,000	1191010600503	4003530105937
	60	53	30	100	1,000	32,000	1191010600603	4003530105944
	70	61	30	100	1,000	32,000	1191010600703	4003530105968
	80	61	30	100	1,000	32,000	1191010600803	4003530105975



Flat countersunk head, T-STAR *plus*

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4CUT, MULTI Head, case hardened, slide-coated

A3J



Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total L _s	Length partial thread L _{gT}	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
3.0 * Ø d _k = 6.0mm	<i>Standard package</i>							
	30	18	10	1,000	10,000	320,000	0191010300305	4003530098093
	35	23	10	1,000	10,000	320,000	0191010300355	4003530098109
	40	23	10	1,000	10,000	280,000	0191010300405	4003530098116
3.5 Ø d _k = 7.0mm	<i>Standard package</i>							
	30	18	20**	1,000	10,000	320,000	0191010350305	4003530096778
	35	23	20**	1,000	10,000	320,000	0191010350355	4003530096785
	40	23	20**	1,000	10,000	280,000	0191010350405	4003530096792
	45	30	20**	1,000	10,000	280,000	0191010350455	4003530098192
	50	32	20**	500	5,000	160,000	0191010350505	4003530098208
	<i>Craft package</i>							
	30	18	20**	200	2,000	260,000	0191010350303	4003530164279
	35	23	20**	200	2,000	224,000	0191010350353	4003530164132
	40	23	20**	200	2,000	224,000	0191010350403	4003530164064
	45	30	20**	200	2,000	126,000	0191010350453	4003530164286
	50	32	20**	200	2,000	126,000	0191010350503	4003530164071
4.0 Ø d _k = 8.0mm	<i>Standard package</i>							
	30	18	20	1,000	10,000	320,000	0191010400305	4003530096808
	35	23	20	1,000	10,000	280,000	0191010400355	4003530096815
	40	23	20	1,000	10,000	280,000	0191010400405	4003530149337
	45	30	20	500	5,000	160,000	0191010400455	4003530149474
	50	32	20	500	5,000	140,000	0191010400505	4003530149092
	60	35	20	500	5,000	140,000	0191010400605	4003530149443
	70	37	20	500	2,500	140,000	0191010400705	4003530155178
	80	37	20	200	2,000	64,000	0191010400805	4003530165702
	<i>Craft package</i>							
	30	18	20	200	2,000	224,000	0191010400303	4003530164248
	35	23	20	200	2,000	224,000	0191010400353	4003530164255
	40	23	20	200	2,000	126,000	0191010400403	4003530164194
	45	30	20	200	2,000	126,000	0191010400453	4003530164347
	50	32	20	200	2,000	126,000	0191010400503	4003530164187
	60	35	20	100	1,000	63,000	0191010400603	4003530164354
	70	37	20	100	1,000	32,000	0191010400703	4003530165696

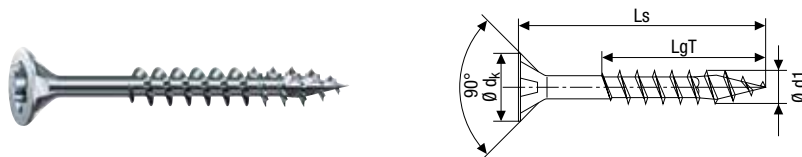
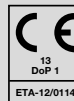
* alternative design

** Switchover to T20

SPAX – THE UNIVERSAL SCREW

Flat countersunk head

T-STAR *plus*



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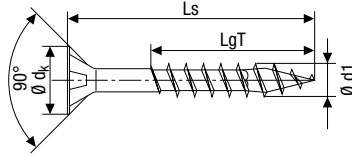
Flat countersunk head, T-STAR *plus*

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4CUT, MULTI Head, case hardened, slide-coated

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total L _s	Length partial thread L _{gT}	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1								
4.5 Ø d _k = 8.8mm	Standard package							
	30	17	20	1,000	10,000	280,000	0191010450305	4003530147814
	35	25	20	500	5,000	160,000	0191010450355	4003530096860
	40	25	20	500	5,000	160,000	0191010450405	4003530155338
	45	30	20	500	5,000	140,000	0191010450455	4003530154157
	50	32	20	500	5,000	140,000	0191010450505	4003530154171
	60	37	20	500	5,000	140,000	0191010450605	4003530149245
	70	42	20	500	2,500	140,000	0191010450705	4003530154447
	80	47	20	200	2,000	64,000	0191010450805	4003530156304
	Craft package							
	30	17	20	200	2,000	224,000	0191010450303	4003530164392
	35	25	20	200	2,000	126,000	0191010450353	4003530164422
	40	25	20	200	2,000	126,000	0191010450403	4003530164309
	45	30	20	200	2,000	126,000	0191010450453	4003530164385
	50	32	20	200	2,000	64,000	0191010450503	4003530164262
	60	37	20	100	1,000	63,000	0191010450603	4003530164316
	70	42	20	100	1,000	32,000	0191010450703	4003530164323
	80	47	20	100	1,000	32,000	0191010450803	4003530164507



Flat countersunk head, T-STAR *plus*

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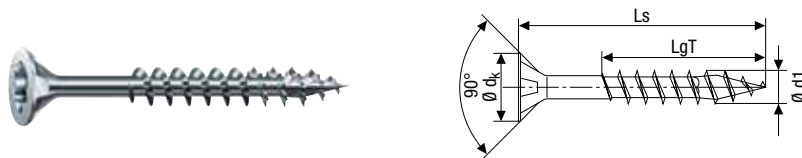
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4CUT, MULTI Head, case hardened, slide-coated

A3J



Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
5.0 Ø dk = 9.7mm	Standard package							
	30	17	20	500	5,000	160,000	0191010500305	4003530098390
	35	25	20	500	5,000	160,000	0191010500355	4003530098406
	40	27	20	500	5,000	140,000	0191010500405	4003530098413
	45	30	20	500	5,000	140,000	0191010500455	4003530098420
	50	32	20	500	5,000	140,000	0191010500505	4003530154294
	55	37	20	500	5,000	140,000	0191010500555	4003530098444
	60	37	20	500	2,500	140,000	0191010500605	4003530149634
	70	41	20	200	2,000	64,000	0191010500705	4003530154317
	80	46	20	200	2,000	64,000	0191010500805	4003530154300
	90	61	20	200	2,000	64,000	0191010500905	4003530154324
	100	61	20	200	2,000	64,000	0191010501005	4003530155116
	120	69	20	200	2,000	56,000	0191010501205	4003530156113
	Craft package							
	30	17	20	200	2,000	224,000	0191010500303	4003530164514
	35	25	20	200	2,000	126,000	0191010500353	4003530165023
	40	27	20	200	2,000	126,000	0191010500403	4003530164576
	45	30	20	200	2,000	126,000	0191010500453	4003530164583
	50	32	20	200	2,000	64,000	0191010500503	4003530164460
	60	37	20	100	1,000	63,000	0191010500603	4003530164477
	70	41	20	100	1,000	32,000	0191010500703	4003530164521
	80	46	20	100	1,000	32,000	0191010500803	4003530164484
	90	61	20	100	1,000	32,000	0191010500903	4003530164606
	100	61	20	100	1,000	32,000	0191010501003	4003530164767



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Flat countersunk head, T-STAR *plus*

WIROX®

A3J

4CUT, MULTI Head, case hardened, slide-coated

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total L _s	Length partial thread L _{gT}	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1								
6.0 Ø d _k = 11.6mm	Standard package							
	40	24	30	500	2,500	140,000	0191010600405	4003530111488
	50	32	30	200	2,000	64,000	0191010600505	4003530096945
	60	37	30	200	2,000	56,000	0191010600605	4003530155161
	70	41	30	200	2,000	56,000	0191010600705	4003530155567
	80	46	30	200	2,000	56,000	0191010600805	4003530149481
	90	61	30	200	1,000	56,000	0191010600905	4003530155291
	100	61	30	100	1,000	32,000	0191010601005	4003530155307
	110	68	30	100	1,000	32,000	0191010601105	4003530157677
	120	68	30	100	1,000	28,000	0191010601205	4003530155321
	130	68	30	100	1,000	28,000	0191010601305	4003530157622
	140	68	30	100	1,000	28,000	0191010601405	4003530155314
	150	68	30	100	1,000	28,000	0191010601505	4003530157646
	160	65	30	100	1,000	28,000	0191010601605	4003530155819
	180	65	30	100	1,000	28,000	0191010601805	4003530156205
	200	65	30	100	1,000	24,000	0191010602005	4003530156090
	220	65	30	100	1,000	24,000	0191010602205	4003530098666
	240	65	30	100	1,000	24,000	0191010602405	4003530098673
	260	65	30	100	–	9,600	0191010602605	4003530098680
	280	65	30	100	–	9,600	0191010602805	4003530098697
	300	65	30	100	–	9,600	0191010603005	4003530098703
	Craft package							
	50	32	30	100	1,000	32,000	0191010600503	4003530164569
	60	37	30	100	1,000	32,000	0191010600603	4003530164101
	70	41	30	100	1,000	32,000	0191010600703	4003530164293
	80	46	30	100	1,000	32,000	0191010600803	4003530164118
	90	61	30	100	1,000	32,000	0191010600903	4003530164491

* alternative design

FLAT COUNTERSUNK HEAD



Full thread / Partial **DELTA®-SEAL**14–21

WASHER HEAD



Full thread / Partial **DELTA®-SEAL**22–27

CYLINDRICAL HEAD



Full thread **DELTA®-SEAL**28–31

SPAX

Threaded rod32–34

Screw-sleeve35

Screwing aid35

**SPAX –
FOR TIMBER CONSTRUCTION**



SPAX reference images – with the kind permission of
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FOR TIMBER CONSTRUCTION
Diameter 8, 10 and 12mm
Flat countersunk head full thread
DELTA®- SEAL



SPAX - For timber construction

Flat countersunk head 8, 10 and 12mm
T-STAR plus



SPAX®

**Flat countersunk head 8,
10 and 12mm full thread**
Lengths from 160mm to
800mm

A Lateral pressure reinforcement

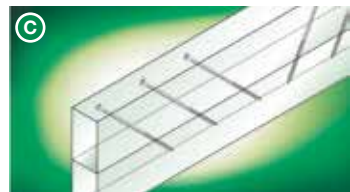
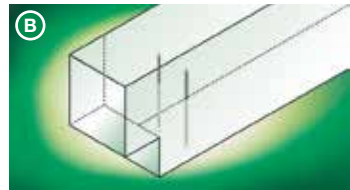
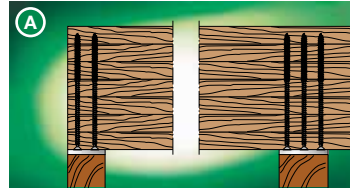
- Fully threaded screws mean you can increase the bearing pressure.
- Apply computing procedure according ETA - 12/0114.

B Lateral tension reinforcements

- Safe alternative to glued-on reinforcing boards and glued-in threaded bars.
- Can be safely installed on site even after construction (eg: when renovating).

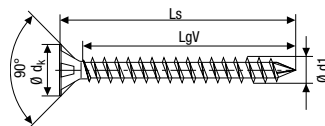
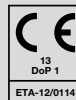
C Connecting bent beams

- High stiffness of the overall cross section through angularly aligned screws (cross-sectional strengthening).
- Particularly suited for renovations.



The features

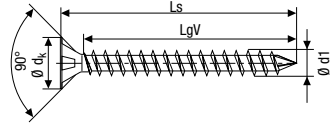
- The full thread absorbs high tensile and compressive forces.
- Absorbs higher pull-out forces than partially threaded screws.
- Wide spectrum of applications through screw lengths of up to 800mm.
- Approved according to ETA - 12/0114 as a wood connector.
- Length specification and manufacturer ID on the head.



- Lateral reinforcement through:
 - glued-on reinforcement panels or
 - glued-in threaded bars.

DELTA®-SEAL

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length full thread LgV	BIT size	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1			T					
8.0 Ø d _k = 15.1mm	160		40	50	500	14,000	1201640801605	4003530245992
	180		40	50	500	14,000	1201640801805	4003530246005
	200		40	50	500	12,000	1201640802005	4003530246012
	220		40	50	500	12,000	1201640802205	4003530246029
	240		40	50	–	4,800	1201640802405	4003530246036
	260	Thread	40	50	–	4,800	1201640802605	4003530246043
	280	close	40	50	–	4,800	1201640802805	4003530246050
	300	to	40	50	–	4,800	1201640803005	4003530246067
	350	head	40	50	–	3,600	1201640803505	4003530246074
	400		40	50	–	3,600	1201640804005	4003530246081
	450		40	50	–	3,000	1201640804505	4003530246098
	500		40	25	–	1,200	1201640805005	4003530246104
	550		40	25	–	1,200	1201640805505	4003530246111
	600		40	25	–	1,200	1201640806005	4003530246128



Flat countersunk head, T-STAR *plus*

DELTA® - SEAL

MULTI Head and CUT point, case hardened, slide-coated

Dimensions [mm]		Length full thread LgV	BIT size T	Packaging units		Pallet qty	SPAX-No.	EAN code
Thread Ø d1	Length total Ls			SPAX BOX [pieces]	Master carton [pieces]			
10.0 Ø d _k = 18.6mm	200		50	50	500	12,000	1201641002005	4003530246135
	220		50	50	500	12,000	1201641002205	4003530246142
	240		50	50	—	4,800	1201641002405	4003530246159
	260		50	50	—	4,800	1201641002605	4003530246166
	280		50	50	—	4,800	1201641002805	4003530246173
	300		50	50	—	4,800	1201641003005	4003530246180
	350		50	50	—	3,600	1201641003505	4003530246197
	400		50	50	—	3,600	1201641004005	4003530246203
	450		50	50	—	3,000	1201641004505	4003530246210
	500		50	25	—	1,200	1201641005005	4003530246227
	550	Thread	50	25	—	1,200	1201641005505	4003530246234
	600	close	50	25	—	1,200	1201641006005	4003530246241
12.0* Ø d _k = 18.6mm	800	to	50	25	—	800	1201641008005	4003530246258
	200	head	50	25	250	6,000	1201641202005	4003530246265
	240		50	25	—	2,400	1201641202405	4003530246272
	280		50	25	—	2,400	1201641202805	4003530246289
	300		50	25	—	2,400	1201641203005	4003530246296
	350		50	25	—	1,800	1201641203505	4003530246302
	400		50	25	—	1,800	1201641204005	4003530246319
	450		50	25	—	1,500	1201641204505	4003530246326
	500		50	25	—	1,500	1201641205005	4003530246333
	550		50	20	—	960	1201641205505	4003530246340
	600		50	20	—	960	1201641206005	4003530246357

* alternative design

10, 12mm flat countersunk head full thread also available in stainless steel

see page 70, 71

FOR TIMBER CONSTRUCTION
Diameter 8, 10 and 12mm
Flat countersunk head partial thread
DELTA®-SEAL



DELTA®-SEAL



SPAX - For timber construction

Flat countersunk head 8, 10 and 12mm
T-STAR plus



SPAX®

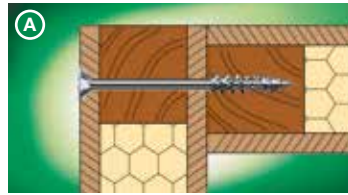
Flat countersunk head
8, 10 and 12mm partial
thread lengths from 80mm
to 600mm

Features:

- Significantly reduced screwing-in torque and reduced splitting effect
- Easier and faster installation
- No pre-drilling required (wood-dependent)
- Approved according to ETA-12/0114
- T-STAR *plus* T40 and T-STAR *plus* T50
- Length specification and manufacturer ID on the head

A Wall connection, wood frame construction

- Economic alternative to coach screw conf. to DIN 571
- Safe fastening of wall connections.
- No pre-drilling required (wood dependant)
- 67% higher hold forces than screws conf. to DIN 571.



The features

■ **4CUT**

No pre-drilling required. The point effectively reduces splitting. The square end pushes aside the fibre of the wood to reduce the screwing-in torque.

■ **Ground serrations**

For quick and secure fastening.

■ **4CUT**

Starting at screw lengths of 160mm, the special moulding at the thread runout significantly reduces the screwing-in torque.

- **MULTI Head**

Flush countersinking. Countersinks the screw head flush into the wood and acts as a brake on metal brackets/parts.

■ **T-STAR *plus***

Easy and secure fit of the BIT, with faster installation when working overhead.



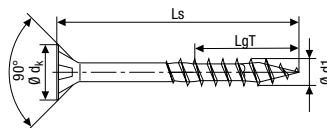
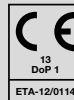
**Product quality
controlled and
certified by an
officially lega-
lised institute**

FOR TIMBER CONSTRUCTION

Diameter 8, 10 and 12mm

Flat countersunk head partial thread

DELTA®-SEAL



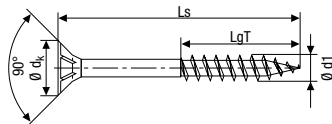
Flat countersunk head,

T-STAR plus

4CUT, MULTI Head, case hardened, slide-coated

DELTA®-SEAL

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total L _s	Length partial thread L _{gT}	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1								
8.0 Ø d _k = 15.1mm	80	47	40	50	500	14,000	0191640800805	4003530243837
	100	57	40	50	500	14,000	0191640801005	4003530244100
	120	70	40	50	500	14,000	0191640801205	4003530244117
	140	80	40	50	500	14,000	0191640801405	4003530244124
	160	80	40	50	500	14,000	0191640801605	4003530244131
	180	80	40	50	500	14,000	0191640801805	4003530244148
	200	80	40	50	500	12,000	0191640802005	4003530244155
	220	80	40	50	500	12,000	0191640802205	4003530244162
	240	80	40	50	–	4,800	0191640802405	4003530244179
	260	80	40	50	–	4,800	0191640802605	4003530244186
	280	80	40	50	–	4,800	0191640802805	4003530244193
	300	80	40	50	–	4,800	0191640803005	4003530244209
	320	80	40	50	–	3,600	0191640803205	4003530244216
	340	80	40	50	–	3,600	0191640803405	4003530244223
	360	80	40	50	–	3,600	0191640803605	4003530244230
	380	80	40	50	–	3,600	0191640803805	4003530244247
	400	80	40	50	–	3,600	0191640804005	4003530244254
	450	80	40	50	–	3,000	0191640804505	4003530244261
10.0 Ø d _k = 18.6mm	80	50	50	50	500	14,000	0191641000805	4003530244278
	100	60	50	50	500	14,000	0191641001005	4003530244285
	120	80	50	50	500	14,000	0191641001205	4003530244292
	140	80	50	50	500	14,000	0191641001405	4003530244308
	160	80	50	50	500	14,000	0191641001605	4003530244315
	180	80	50	50	500	14,000	0191641001805	4003530244322
	200	80	50	50	500	12,000	0191641002005	4003530244339
	220	80	50	50	500	12,000	0191641002205	4003530244346
	240	80	50	50	–	4,800	0191641002405	4003530244353
	260	80	50	50	–	4,800	0191641002605	4003530244360
	280	80	50	50	–	4,800	0191641002805	4003530245329
	300	80	50	50	–	4,800	0191641003005	4003530245336
	320	80	50	50	–	3,600	0191641003205	4003530245343
	340	80	50	50	–	3,600	0191641003405	4003530245350
	360	80	50	50	–	3,600	0191641003605	4003530245367
	380	80	50	50	–	3,600	0191641003805	4003530245374
	400	80	50	50	–	3,600	0191641004005	4003530245381
	450	80	50	50	–	3,000	0191641004505	4003530245398



Flat countersunk head, T-STAR *plus*

DELTA® - SEAL

With milled ribs, case hardened, slide-coated

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
12.0 Ø d _k = 22.6mm	100	60	50	25	250	7,000	0191641201005	4003530245404
	120	80	50	25	250	7,000	0191641201205	4003530245411
	140	80	50	25	250	7,000	0191641201405	4003530245428
	160	100	50	25	250	6,000	0191641201605	4003530245435
	180	100	50	25	250	6,000	0191641201805	4003530245442
	200	100	50	25	250	6,000	0191641202005	4003530245459
	220	100	50	25	250	6,000	0191641202205	4003530245466
	240	100	50	25	—	2,400	0191641202405	4003530245473
	260	100	50	25	—	2,400	0191641202605	4003530245480
	280	100	50	25	—	2,400	0191641202805	4003530245497
	300	100	50	25	—	2,400	0191641203005	4003530245503
	350	100	50	25	—	1,800	0191641203505	4003530245510
	400	100	50	25	—	1,800	0191641204005	4003530245527
	450	100	50	25	—	1,500	0191641204505	4003530245534
	500	100	50	25	—	1,500	0191641205005	4003530245541
	550	100	50	20	—	960	0191641205505	4003530245558
	600	100	50	20	—	960	0191641206005	4003530245565



FOR TIMBER CONSTRUCTION

Washer head 6mm

Full thread / Partial **DELTA®-SEAL**

DELTA®-SEAL



SPAX - For timber construction

Washer head 6mm
T-STAR *plus*



SPAX®

6mm washer head

The perfect replacement for coach screws

Advantages of a 6mm washer head screw compared to a countersunk head:

Better tightening of connections, especially for warped boards.

Easy fastening of steel parts and steel to timber connections without the need for countersinking.

Washer head guarantees higher clamping forces and reduces working time and numbers of screws required.

Further advantage:

Narrow or thin wood cross-sections can be screwed with 6mm Ø thread.

Approved according to ETA-12/0114.



The advantages

■ 4CUT

No pre-drilling required. The point effectively reduces screw splitting. The square end pushes aside the fibre of the wood to reduce the screwing-in torque.

■ Ground serrations

For quick and easy fastening.

■ T-STAR plus

Positive and secure fit of the BIT and better driving, eg: when working overhead.

■ 4CUT

Starting at screw lengths of 160mm, the special moulding at the thread runout significantly reduces the screwing-in torque.

Washer head, T-STAR plus

4CUT, case hardened, slide-coated

DELTA® - SEAL

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length thread Lg	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
6.0 Ø d _k = 13.6mm	60	56	■	30	200	2.000	56,000	4003530248351
	80	61	■	30	100	1.000	28,000	4003530245572
	100	61	□	30	100	1.000	32,000	4003530245589
	120	68	□	30	100	1.000	28,000	4003530245596
	140	68	□	30	100	1.000	28,000	4003530245602
	160	65	□	30	100	1.000	28,000	4003530245619
	180	65	□	30	100	1.000	28,000	4003530245626

■ T-STAR plus, full thread

□ T-STAR plus, partial thread

6mm washer head also available in stainless steel

see page 72, 73

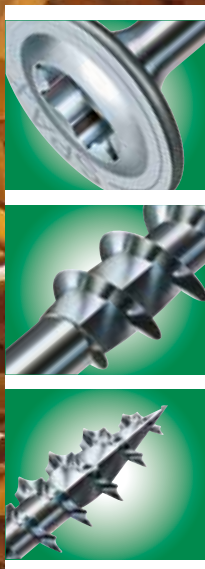


FOR TIMBER CONSTRUCTION

Diameter 8 and 10mm

Washer head partial thread **DELTA®-SEAL**

DELTA®-SEAL



SPAX - For timber construction

Washer head 8 and 10mm
T-STAR plus



Washer head 8 and 10mm partial thread

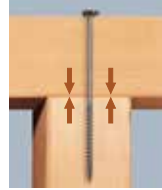
Lengths from 80mm to 450mm

A Rafter connection, purlin

- Even twisted rafters can be securely fastened.
- Ideal for high wind uplift connections (cyclonic areas).
- No need for expensive, time-consuming metal brackets.

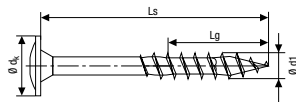
B Fastening rooftop insulation systems

- Washer head ensures higher head pull-through forces, allowing for larger screw spacings. Great cost-effective solution compared to other systems.



The features

- No pre-drilling (wood-dependent).
- Washer head absorbs high tensile, pull-out and pull-through forces.
- Approved according to **ETA-12/0114**.
- T-STAR *plus*.
- Length specification and manufacturer ID on the head.



The proven SPAX for wood construction.

4CUT

No pre-drilling required. The point effectively reduces splitting. The square end pushes aside the fibre of the wood to reduce the screwing-in torque.

Ground serrations

For quick and easy fastening.

4CUT

Starting at screw lengths of 160mm, the special moulding at the thread runout significantly reduces the screwing-in torque.

Washer head

Washer head ensures higher pull-through forces allowing for larger screw spacings.

T-STAR plus

Positive and secure fit of the BIT and better driving, eg: when working overhead.

Approved by German and European building authorities

Under licensing number ETA-12/0114 – approved by building authorities for fastening rooftop insulation systems.

Washer head, T-STAR plus

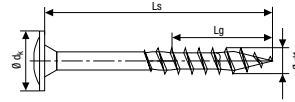
4CUT, case hardened, slide-coated

DELTA®-SEAL

Dimensions [mm]				Packaging units			SPAX-No.	EAN code	
Thread Ø	Length total Ls	Length thread Lg	BIT size	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty			
d1			T						
8.0 Ø d _K = 20mm	80	70	■	40	50	500	14,000	0251640800805	4003530165184
	100	80	■	40	50	500	14,000	0251640801005	4003530245640
	120	80	■	40	50	500	14,000	0251640801205	4003530245657
	140	80	□	40	50	500	14,000	0251640801405	4003530245664
	160	80	□	40	50	500	14,000	0251640801605	4003530245671
	180	80	□	40	50	500	14,000	0251640801805	4003530245688
	200	80	□	40	50	500	12,000	0251640802005	4003530245695
	220	80	□	40	50	500	12,000	0251640802205	4003530245701
	240	80	□	40	50	–	4,800	0251640802405	4003530245718
	260	80	□	40	50	–	4,800	0251640802605	4003530245725
	280	80	□	40	50	–	4,800	0251640802805	4003530245732
	300	80	□	40	50	–	4,800	0251640803005	4003530245749
	320	80	□	40	50	–	3,600	0251640803205	4003530245756
	340	80	□	40	50	–	3,600	0251640803405	4003530245763
	360	80	□	40	50	–	3,600	0251640803605	4003530245770
	380	80	□	40	50	–	3,600	0251640803805	4003530245787
	400	80	□	40	50	–	3,600	0251640804005	4003530245794
	450	80	□	40	25	–	1,500	0251640804505	4003530245800

■ T-STAR plus, full thread

□ T-STAR plus, partial thread



Washer head, T-STAR *plus*

4CUT, case hardened, slide-coated

DELTA® - SEAL

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length thread Lg	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
10.0 Ø dk = 25mm	80	70	■	50	500	14,000	0251641000805	4003530245817
	100	80	■	50	500	14,000	0251641001005	4003530245824
	120	80	■	50	500	12,000	0251641001205	4003530245831
	140	80	□	50	500	12,000	0251641001405	4003530245848
	160	80	□	50	250	6,000	0251641001605	4003530165207
	180	80	□	50	250	6,000	0251641001805	4003530245862
	200	80	□	50	250	6,000	0251641002005	4003530245879
	220	80	□	50	250	6,000	0251641002205	4003530165214
	240	80	□	50	—	2,400	0251641002405	4003530245893
	260	80	□	50	—	2,400	0251641002605	4003530245909
	280	80	□	50	—	2,400	0251641002805	4003530245916
	300	80	□	50	—	2,400	0251641003005	4003530245923
	320	80	□	50	—	1,800	0251641003205	4003530245930
	340	80	□	50	—	1,800	0251641003405	4003530245947
	360	80	□	50	—	1,800	0251641003605	4003530245954
	380	80	□	50	—	1,800	0251641003805	4003530245961
	400	80	□	50	—	1,800	0251641004005	4003530245978
	450	80	□	50	—	1,500	0251641004505	4003530245985

■ T-STAR *plus*, full thread

□ T-STAR *plus*, partial thread



FOR TIMBER CONSTRUCTION
Cylindrical head 6 and 8mm
Full thread **DELTA®-SEAL**



DELTA®-SEAL



SPAX - For timber construction

Cylindrical head 6 and 8mm
T-STAR plus



The ideal screw for timber construction with minimal head impact

For reinforcing strip dowel
connections

Applications:

Timber/Glass facades:

Hidden fastening is possible at
smaller component width.

Timber construction:

Reinforcement of tensile stress
perpendicular to grain: higher component
load is possible.

Reinforcement of lateral pressure:
transfer of larger forces possible.

Reinforcing of rod plug connections.

Fastening of roof battens in areas with
increased wind suction load (eg: roof edge
areas) by additional screwing in of fully
threaded screws (eg: in connection with
thread Ø 6mm washer head).



The advantages

■ 4CUT and CUT point

No pre-drilling (wood-dependent), its
point effectively reduces the splitting
effect. The square end pushes aside
the fibre of the wood and reduces the
screwing-in torque.

■ Ground serrations

For quick and secure fastening.

■ T-STAR plus

Positive and secure fit of the BIT
and better driving, eg: when working
overhead.

■ Cylindrical head

Can be easily countersunk in wood.





The ideal screw for the
timber/glass facades and
timber construction.

- 4CUT**
No pre-drilling (wood-de-
pendent), its point effectively
reduces the splitting effect.
The square end pushes aside
the fibre of the wood and
reduces the screwing-in torque.
- Ground serrations**
For quick and easy fastening.

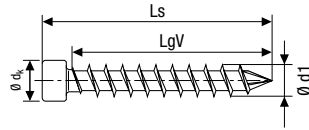
- T-STAR plus**
Positive and secure fit of the
BIT and better driving, eg:
when working overhead.
- Cylindrical head**
Can be easily countersunk
in wood with very low visual
impact.

Cylindrical head, T-STAR plus

4CUT, case hardened, slide-coated

DELTA®-SEAL

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
6.0 Ø dk = 8.4mm	80		30	200	2,000	56,000	1211640600805	4003530246364
	100	Thread	30	100	1,000	32,000	1211640601005	4003530246371
	120	close	30	100	1,000	28,000	1211640601205	4003530246388
	140	to	30	100	1,000	28,000	1211640601405	4003530246395
	160	head	30	100	1,000	28,000	1211640601605	4003530246401
	180		30	100	1,000	28,000	1211640601805	4003530246418
	200		30	100	1,000	24,000	1211640602005	4003530246425



The SPAX for added lateral compression stability, elastically connected beams and added lateral tension stability.

■ CUT point

Precision placement allows screwing in without pre-drilling (wood-dependent). Effectively reduces splitting of the wood.

■ SPAX typical ground serrations

For quick and easy fastening.

■ T-STAR plus

Positive and secure fit of the BIT and better driving, eg: when working overhead.

■ Cylindrical head

Can be easily countersunk in wood with very low visual impact.

Cylindrical head, T-STAR plus

With *CUT point*, case hardened, slide-coated

DELTA®-SEAL

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
8.0 Ø d _k = 10mm	200		40	50	500	12,000	1221640802005	4003530246432
	220		40	50	500	12,000	1221640802205	4003530246449
	240	Thread	40	50	—	4,800	1221640802405	4003530246456
	260	close	40	50	—	4,800	1221640802605	4003530246463
	280	to	40	50	—	4,800	1221640802805	4003530246470
	300	head	40	50	—	4,800	1221640803005	4003530246487
	350		40	50	—	3,600	1221640803505	4003530246494
	400		40	50	—	3,600	1221640804005	4003530246500
	450		40	50	—	3,000	1221640804505	4003530246517



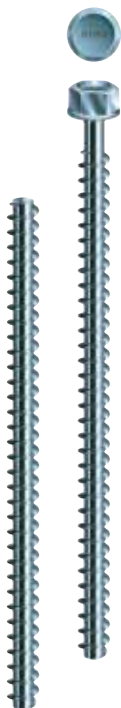
FOR TIMBER CONSTRUCTION
SPAX – threaded rod



SPAX - For timber construction

**SPAX – threaded
rod**





SPAX – threaded rod

Approved by German and European building authorities
ETA-12/0114

Fields of application

- Transverse reinforcement of large wooden constructions (usually made of gluelam).
- The ideal alternative to glued-in threaded rods with lengths of 800mm to 3000mm available.
- Ideal for use in refurbishments and renovations, regardless of environmental factors.
- Easy to work overhead.

Important

- Pre-drill with 12-13mm (wood dependent).
- Special equipment may be necessary to avoid drill deviation.
- For technical assistance, contact your nearest SPAX agent.

The advantages

- Approved by German and European building authorities under licensing number ETA-12/0114 as wood connector.
- No glue necessary, saving time and money.
- Less sensitive to adverse conditions (damp, temperature, etc.).
- Small diameter reduces cross section weakening.
- Low screwing-in torque.
- Glide-coated for easy installation.

A2J





A2J

SPAX – threaded rod

With hex head and shaft ring, synthetic coating

Blue zinc plated

A2J

Dimensions [mm]				Packaging units		SPAX-No.	EAN code
Thread Ø	Length total Ls**	Length full thread LgV	Widths across flats	Shaft ring [piece]	Pallet qty*		
16.0 Ø d _k = 26mm	800		SW 22	25	500	35616000108011	4003530189067
	1.000		SW 22	25	500	35616000101011	4003530189074
	1.200	Thread	SW 22	25	500	35616000102011	4003530189081
	1.400	close	SW 22	25	500	35616000103011	4003530189098
	1.600	to	SW 22	25	500	35616000104011	4003530189104
	1.800	head	SW 22	25	300	35616000105011	4003530189111
	2.000		SW 22	25	300	35616000106011	4003530189128

* Dimensions 16 x 1.400 to 16 x 2.000 on special pallets

** Additional lengths on request

A2J

SPAX – threaded rod

Without head, synthetic coating

Blue zinc plated

A2J

Dimensions [mm]				Packaging units		SPAX-No.	EAN code
Thread Ø	Length total Ls**			Shaft ring [piece]	Pallet qty*		
16.0	3.000			10	100	35616000201011	4003530192821

** Additional lengths on request

For pre-drilling, the following 12 to 13mm drill systems are recommended.

FAMAG, Remscheid:
Auger BIT

WOODTEC FANKHAUSER, CH-Vordernwald:
Deep hole drill flushed with compressed air.

Spax threaded rods can be cut to the required length.

Installation Procedures

The drill bit can deviate when drilling deep holes up to 3m long. This can cause a problem especially in narrow components. Please contact your nearest SPAX agent for technical advice and assistance.

The following drivers are recommended for installation:

PROTOOL DRP 32-4,
BOSCH GBM 32-4,
FEIN angle screwing machine Mammut SCW 16-6,
MAKITA angle screwing machine
DA 4301.

Shortening to desired length possible.



Screw-sleeve for SPAX – threaded rod

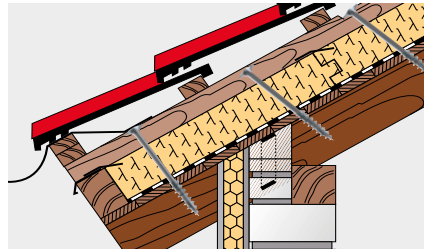
For threaded rods without head. Width across flats SW 11.

Packaging unit	SPAX-No.	EAN code
1 piece in SPAX box	5001900900011	4003530192845



Practical screwing aid for rooftop insulation

For use with SPAX 8mm flat countersunk head and washer head allowing precise and pinpoint fastening in the rafter (67° angle).



Screwing aid

for rooftop insulation

Packaging unit	SPAX-No.	EAN code
1 unit per box	5001120800011	4003530168956

SPAX – INDOOR

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SPAX

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SPAX – WINDOW CONSTRUCTION

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FEX

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Frame anchor 58–61

SPECIALS

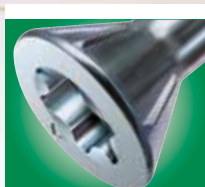




SPECIALS

Indoor

SPAX-M for MDF boards



SPAX - Indoor

SPAX-M
for MDF boards



Secure connection of MDF boards

**For special application on MDF boards
and other thin-walled boards made of
derived wood products.**

- The specially designed *CUT point* ensures exact screw positioning.
- **SPAX typical ground serrations**
For quick and easy fastening.
- Effectively reduces splitting and bulging of the MDF material when screwing into thin or small surfaces.
- The screw's geometry allows MDF boards and thin chipboard to be fastened together without pre-drilling (material-dependent).
- The slender head with the ribbed underside countersinks easily.



Flat countersunk head, T-STAR plus

With small 75° milling head, *CUT point*, case hardened, slide-coated

WIROX®

A3J

A3J

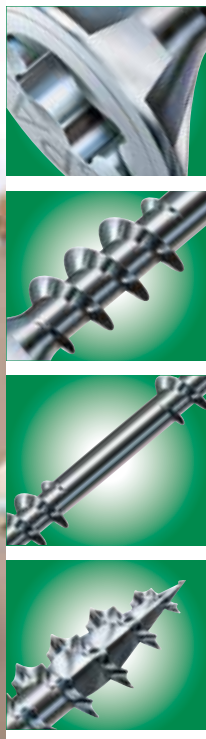


Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
3.5 Ø d _k = 6.0mm	40	28	15	200	2,000	224,000	0441010350403	4003530168437
	45	30	15	200	2,000	126,000	0441010350453	4003530168444
	50	35	15	200	2,000	126,000	0441010350503	4003530168451
4.0 Ø d _k = 7.0mm	40	28	20	200	2,000	126,000	0441010400403	4003530168468
	45	30	20	200	2,000	126,000	0441010400453	4003530168475
	50	35	20	200	2,000	126,000	0441010400503	4003530168482
	60	40	20	100	1,000	63,000	0441010400603	4003530168499
4.5 Ø d _k = 8.0mm	45	30	20	200	2,000	126,000	0441010450453	4003530168505
	50	35	20	200	2,000	64,000	0441010450503	4003530168512

SPECIALS

Indoor

SPAX The flooring screw



SPAX - Indoor

SPAX
The flooring screw





The ideal screw for OSB and chipboard underfloors

The fixing thread eliminates cracking and squeaking noises in the floor.

The SPAX flooring screw countersinks itself, thanks to the milled ribs under the head. In addition, the T-STAR *plus* recess prevents slipping of the bit and ensures full torque transfer.

The fixing thread allows a solid and permanent connection of components. The *4CUT* minimises splitting of the materials.



The features

■ 4CUT

No pre-drilling required. The point effectively reduces splitting. The square end pushes aside the fibre of the wood to reduce the screwing-in torque.

■ Ground serrations

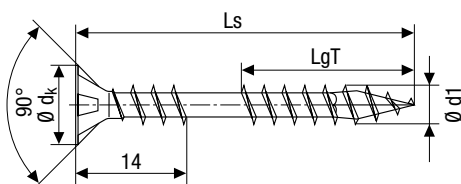
For quick and easy fastening.

■ Fixing thread

Allows for a long-lasting connection of two pieces of wood and eliminates any movement in the boards and prevents screw heads from becoming loose over time. No squeaky boards and no retightening of screws necessary!

■ MULTI Head

Easy countersinking.



Flat countersunk head, T-STAR *plus*

4CUT, MULTI Head, fixing thread, case hardened, slide-coated

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Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
4.5 Ø dk = 8.8mm	50	21.5	20	500	5,000	140,000	0541010450505	4003530246906
	60	26.5	20	500	5,000	140,000	0541010450605	4003530246913
	70	31.5	20	500	2,500	140,000	0541010450705	4003530246920
	80	31.5	20	200	2,000	64,000	0541010450805	4003530246937

SPECIALS

Indoor

SPAX for solid-wood flooring



SPAX - Indoor

SPAX
for solid-wood flooring





The ideal screw for solid wood floors

The ideal screw for laying solid-wood flooring. Thanks to the special screw geometry and the *CUT point*, splitting is effectively reduced.

The *CUT point* also ensures an immediate grip of the screw. The cutting ribs under the head allow easy countersinking of the small head. Well suited for secret fastening of tongue and groove floorboards.



The features

- SPAX typical ground serrations reduce screwing-in torque allowing for faster installation.
- **T-STAR plus**
Positive and secure fit of the BIT and better driving, eg: when working overhead.
- **Cylindrical head**
Can be easily countersunk in wood with very low visual impact.

Flat countersunk head, T-STAR plus

With small 60° milling head, *CUT point*, case hardened, slide-coated



A3J

A3J



Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1								
3.5	35	20	10	500	5,000	160,000	35703503203011	4003530246944
Ø d _k = 6.0mm	45	28	10	500	5,000	160,000	35703503201011	4003530246951
	55	35	10	500	5,000	160,000	35703503202011	4003530246968

SPECIALS

Window construction
FEX-A



SPAX - Window

FEX-A

for fastening single-wall
uPVC profiles



FEX[®]-A

The window construction self-drilling screw for **fastening single-wall uPVC profiles**

FEX-A:
Coarse thread with ground serrations

- Flat head with ribs and drill point.
- For uPVC profiles with a reinforcement in direct contact with the reinforcement chamber.
- The milled ribs make countersinking the screw head flush to the surface easier.



The features

- **Corrosion protection**
Equivalent to that of popular window hardware fittings.
- **Point**
Drill point for optimum drilling performance in manual and automatic operation.
- **SPAX typical ground serrations**
For quick and secure fastening.

Flat countersunk head, cross recess, type H

Titan silver A3J

With milled ribs, drill point, case hardened, slide-coated

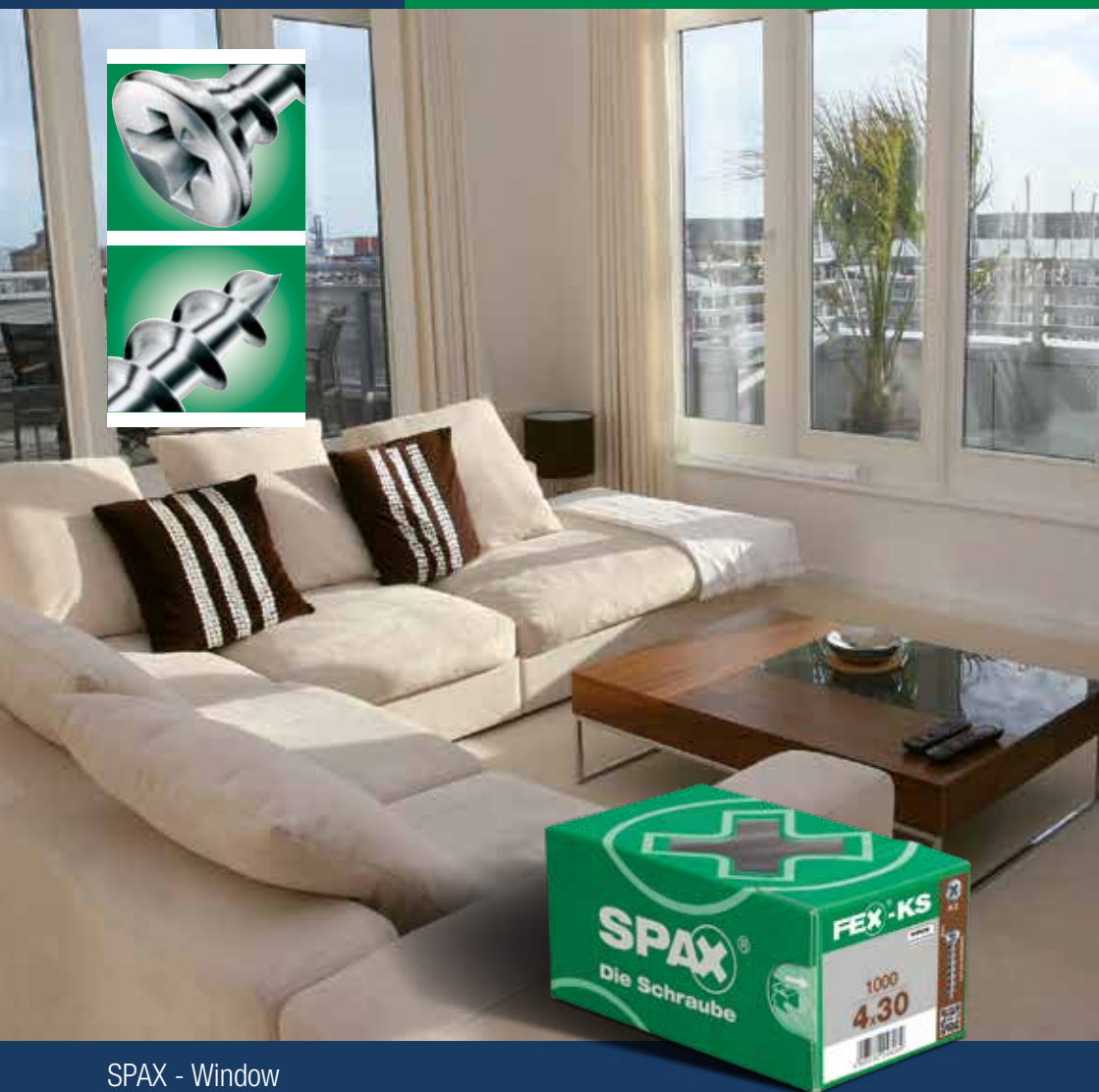
Dimensions [mm]					Packaging units		SPAX-No.	EAN code
Thread Ø d _n	Length total l	Length of drill point l _b	Head height h _k	BIT size cross recess, type H	SPAX BOX [pieces]	Master carton [pieces]		
3.9 Ø d _k = 7.5mm	13	4,5	2,3	2	1,000	10,000	1401470390135	4003530155840
	16	4,5	2,3	2	1,000	10,000	1401470390165	4003530122712
	19	4,5	2,3	2	1,000	10,000	1401470390195	4003530122729
	25	4,5	2,3	2	1,000	10,000	1401470390255	4003530122743
	32	4,5	2,3	2	1,000	10,000	1401470390325	4003530122750
	38	4,5	2,3	2	1,000	10,000	1401470390385	4003530122767

A3J



SPECIALS

Window construction
FEX-KS



SPAX - Window

FEX-KS

for fastening fixtures
to plastic profiles



FEX[®]-KS

Countersunk head-fitting screw for
fastening fixtures to plastic profiles

FEX-KS:
Countersunk head-fitting screw with deep special thread

The window frame-drilling screw with a nominal diameter of 5mm is used for reinforcing uPVC profiles and for the repair after a fitting screw has been overtightened.

The features

- **Head**
Special countersunk head with braking ribs. The special design ensures that the head is properly driven home. The restraining ribs increase the torque, preventing over-tightening, especially in connection with thin walled plastic profiles.
- **Thread**
Deep special thread extending to the base of the head, with a large pitch.
- **Corrosion protection**
Equivalent to that of popular window hardware fittings.
- **Point**
Extended sharp self-tapping point forms a collar of material that effectively increases the size of the thread bite. This provides even greater protection against over-tightening, especially in thin-walled plastic profiles.

Flat countersunk head, cross recess, type H

With braking ribs, case hardened, slide-coated

Titan silver A3J

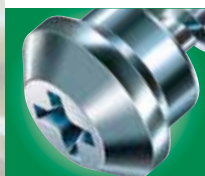
A3J



Dimensions [mm]				Packaging units		SPAX-No.	EAN code
Thread Ø d _n	Length total l	Head height h _k	BIT size cross recess, type H	SPAX BOX [pieces]	Master carton [pieces]		
4.0 Ø d _k = 7.0mm	16	2.4	2	1,000	10,000	1411470400165	4003530111709
	20	2.4	2	1,000	10,000	1411470400205	4003530099212
	22	2.4	2	1,000	10,000	1411470400225	4003530111716
	25	2.4	2	1,000	10,000	1411470400255	4003530099229
	30	2.4	2	1,000	10,000	1411470400305	4003530099236
	35	2.4	2	1,000	10,000	1411470400355	4003530099243
	40	2.4	2	1,000	10,000	1411470400405	4003530099250
	45	2.4	2	500	5,000	1411470400455	4003530099267
	55	2.4	2	500	5,000	1411470400555	4003530111723
Repair screw for plastic profiles							
5.0 Ø d _k = 7.0mm	25	2.4	2	1,000	10,000	1411470500255	4003530154393
	40	2.4	2	500	5,000	1411470500405	4003530154416

SPECIALS

Window construction
FEX-RS



SPAX - Window

FEX-RS

for snap-on head fastening
of roller shutter guides



FEX®-RS

The shutter screw for snap-on head fastening of roller shutter guides

FEX-RS: Snap-on head fastening of profiles

The FEX-RS self-tapping screw is driven into the frame profile. The combination of a sharp, 5mm wide thread with optimised snap-on head geometry provides excellent grip, withstanding the high axial tensile forces that occur in snap-on profiles such as shutter guides, weather rails, cover profiles and wall connection profiles.



The features

- **Thread**
Sharp and wide 40° thread extending to just below the head.
- **Point**
Needle point: no pre-drilling of plastic profile required.
- **Corrosion protection**
Equivalent to that of popular window hardware fittings.

Snap-on head, cross recess, type H

With needle point, case hardened, slide-coated

WIROX®

A3J

A3J



Dimensions [mm]							Packaging units		SPAX-No.	EAN code
Thread Ø d _n	Length total l	Collar Ø d _k	Head height h _k	BIT size cross recess, type H	De- scrip- tion	Profile system	SPAX BOX [pieces]	Master carton [pieces]		
5.0	12	9.5	6.1	2	RS-1	VEKA, Brüggmann	400	4,000	35705003001011	4003530111815
	10	10.4	5.8	2	RS-2	Rehau, KBE, Golde, Inautic, Helmitin	400	4,000	30120000443011	4003530111754
	10	12.0	5.8	2	RS-3	Trocal, Stöckel, Menke	400	4,000	30120000444011	4003530111761
	11	11.0	7.6	2	RS-4	Kömmerring	400	4,000	30120000442011	4003530111747
	12	11.0	7.6	2	RS-5	Gealan	400	2,000	35705005202011K1	4003530154508
	10	9.5	4.0	2	RS-6	Inautic	400	4,000	35705006401011	4003530164361

SPECIALS

Window construction

FEX – The fitting screw



SPAX - Window

FEX

The fitting screw



FEX®

The fixture screw for PVC and wooden profiles



FEX:
The fixture screw with *CUT point*

The FEX fixture screw with added *CUT point* effectively reduces spreading effect in PVC profiles and the splitting effect in wooden profiles.



The features

- **Head**
Special countersunk head with braking ribs under the head.
- **Thread**
A double thread with shaft profile up to the *CUT point*.
- **SPAX typical ground serrations**
For quick and easy fastening.
- **Corrosion protection**
Equivalent to that of popular window hardware fittings.

Flat countersunk head, cross recess, type H

Titan silver A3J

With braking ribs, *CUT point*, case hardened, slide-coated

Dimensions [mm]				Packaging units		SPAX-No.	EAN code
Thread Ø dn	Length total l	Head height hk	BIT size cross recess, type H	SPAX BOX [pieces]	Master carton [pieces]		
4.0 Ø dk = 7.0mm	25	2.4	2	3,000	441,000	0521470400252	4003530155451
	28	2.4	2	2,000	294,000	0521470400282	4003530155468
	33	2.4	2	2,000	294,000	0521470400332	4003530155475
	38	2.4	2	2,000	294,000	0521470400382	4003530155529

A3J



SPECIALS

Window construction
FEX-H



SPAX - Window

FEX-H
for timber
window frames



FEX[®]-H

The screw for wooden window frames

- Ground serrations ensure rapid, secure driving.
- No pre-drilling necessary (wood-dependent).
- 4CUT effectively reduces splitting of the wood.
- Braking ribs below the head
- T-STAR *plus* T15 and cross recess, type Z.



The features

- **Head**
Rounded. Avoids protrusion even when the screw is applied askew, and enhances the aesthetics. Self-restraining. Braking ribs located under the head allow increased over-tightening.
- **Ground serrations**
For quick and easy fastening.
- **4CUT**
Self-tapping. Clean penetration, reduces splitting of the wood. Square end displaces the fibres.
- **Corrosion protection**
Equivalent to that of popular window hardware fittings.

Flat countersunk head, T-STAR *plus*

With braking ribs, 4CUT, case hardened, slide-coated

WIROX[®] A3J

A3J



Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d _n	Length total l	Head height h _k	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallette		
4.0 Ø d _k = 7.3mm	30	2.4	15	1,000	10,000	320,000	35704012301011	4003530243769
	35	2.4	15	1,000	10,000	280,000	35704012302011	4003530243806
	40	2.4	15	1,000	10,000	280,000	35704012303011	4003530243783

Flat countersunk head, cross recess, type Z

With braking ribs, 4CUT, case hardened, slide-coated

WIROX[®] A3J

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d _n	Length total l	Head height h _k	BIT size cross recess, type Z	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
4.0 Ø d _k = 7.3mm	30	2.4	2	1,000	10,000	320,000	35704012401011	4003530159961
	35	2.4	2	1,000	10,000	280,000	35704012402011	4003530243738
	40	2.4	2	1,000	10,000	280,000	35704012403011	4003530243745

SPECIALS

Window construction
FEX – The combi screw



SPAX - Window

FEX

The combi screw



The combi screw for fastening fixtures to plastic profiles

FEX combi screw:
Fine thread for metal, coarse thread for plastic

- Special countersunk head with braking ribs, drill point.
- Used for plastic windows with steel reinforcement.
- Improved protection against over-tightening especially for thin-walled plastic profiles.



The features

- **Head**
Special countersunk head with braking ribs. The special design ensures that the head is properly driven home. The restraining ribs increase the torque needed, preventing over-tightening, especially in connection with thin-walled plastic profiles.
- **Corrosion protection**
Equivalent to that of popular window hardware fittings.
- **Combination thread**
Fine thread for metal, coarse thread for plastic.
- **Point**
Drill point for optimum drilling performance in manual and automatic operation.
- **SPAX typical ground serrations**
For quick and easy fastening.

Flat countersunk head, cross recess, type H

With braking ribs, drill point, case hardened, slide-coated

Titan silver A3J

A3J



Dimensions [mm]				Packaging units		SPAX-No.	EAN code
Thread Ø d _n	Length total l	Head height h _k	BIT size cross recess, type H	SPAX BOX [pieces]	Pallet qty		
4.2 Ø d _k = 7.0mm	35	2.4	2	2,000	—	35704012501471K1	4003530170317

SPECIALS

Window construction
FEX – The coupling screw



SPAX - Window

FEX
The coupling screw

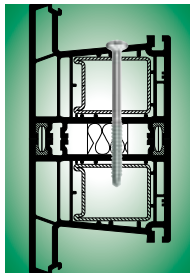


The coupling screw for connecting plastic profiles

FEX: Countersunk head fitting screw with deep special thread

- Flat head with collar under the head.
- Recess T-STAR *plus* T25.
- Drill point suited for up to 4mm of steel reinforcement.

The FEX coupling screw makes it possible to simply and efficiently connect PVC frame profiles. After the frames have been put in place and aligned, a 6mm hole is pre-drilled into the reinforcement of the first frame to avoid the thread gripping. Through the 40mm partial thread, the resulting screwed connection between the two frames with the FEX coupling screw ensures a permanent and gap-free fastening.



The features

- **Head**
Flat head with collar under the head.
- **Thread**
Special thread with long, non-threaded shaft for connecting two profiles.
- **Point**
Drill point suited for up to 4mm of steel reinforcement.
- **Corrosion protection**
Equivalent to that of popular window hardware fittings.
- **SPAX typical ground serrations**
For quick and easy fastening.

Flat head, T-STAR *plus*

With collar, drill point, case hardened, slide-coated

Titan silver A3J

Dimensions [mm]					Packaging units			SPAX-No.	EAN code
Thread Ø	Length total l	Length partial thread LgT	Head height h _k	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d _n									
5.5	75	40	2.8	25	200	2,000	56,000	1051900550755	4003530188503
Ø d _k = 12.0mm	90	40	2.8	25	200	1,000	56,000	1051900550905	4003530189401

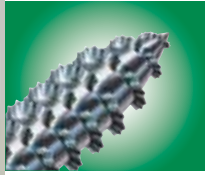
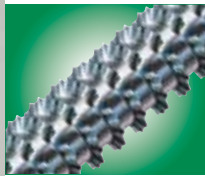
A3J



SPECIALS

Window construction

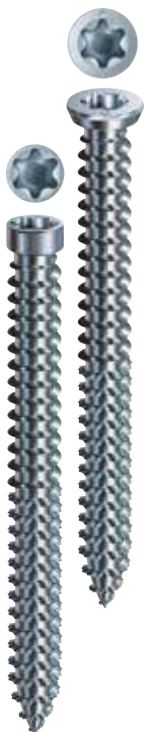
SPAX-RA – The frame anchor



SPAX - Window

SPAX-RA

The frame anchor



SPAX®-RA

The frame anchor with SPAX typical ground serrations

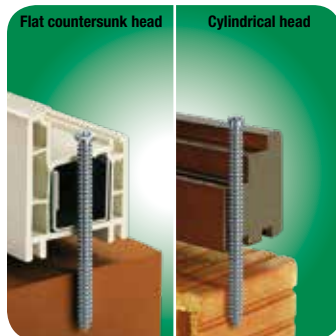
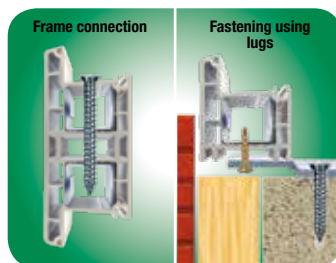
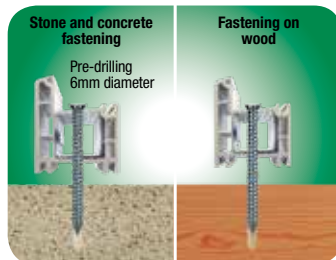
The SPAX frame anchor: Plug-free window and doorframe fastening

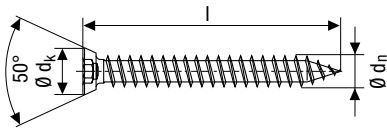
- Secure, tension free installation.
- Available with flat countersunk head or cylindrical head.
- Accurate positioning and durable fastening.
- Time-saving, universal application.
- SPAX typical ground serrations for quick and easy fastening.

The SPAX frame anchors are versatile eg: frames can be connected together directly or using lugs.

The screw length can be determined by the following:

- Frame width.
- Gap between frame and wall.
- Depth of screw in wall.
- Available with flat countersunk head or cylindrical head.





A3J

Flat countersunk head, T-STAR *plus*

WIROX®

A3J

Case hardened, slide-coated

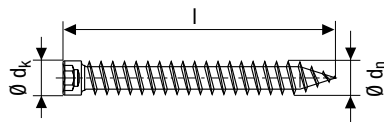
Dimensions [mm]			Description	Packaging units		SPAX-No.	EAN code
Thread $\varnothing$	Length total l	BIT size T		SPAX BOX [pieces]	Pallet qty		
$\varnothing_n$							
7.5 Flat counter- sunk head $\varnothing d_k =$ 11.0mm	40	30	SPAX-RA 40	100	32,000	1021010750405	4003530181665
	60	30	SPAX-RA 60	100	32,000	1021010750605	4003530181672
	80	30	SPAX-RA 80	100	28,000	1021010750805	4003530181689
	100	30	SPAX-RA 100	100	28,000	1021010751005	4003530181696
	120	30	SPAX-RA 120	100	28,000	1021010751205	4003530181719
	150*	30	SPAX-RA 150	100	28,000	1021010751505	4003530181733
	180*	30	SPAX-RA 180	100	14,000	1021010751805	4003530181740
	210*	30	SPAX-RA 210	100	12,000	1021010752105	4003530181757

* alternative design

Plastic caps

suitable for SPAX-RA flat countersunk head, packed in units of 500

Colour	White 	Black 
SPAX-No.	50000080000001	50000080000101
EAN code	4003530043246	4003530043253



Cylindrical head, T-STAR *plus*

Case hardened, slide-coated

WIROX®

A3J

A3J



Dimensions [mm]			Description	Packaging units		SPAX-No.	EAN code
Thread $\varnothing$ d_n	Length total l	BIT size T		SPAX BOX [pieces]	Pallet qty		
7.5 Cylindrical head $\varnothing d_k = 8.0\text{mm}$	60	30	SPAX-RA 60	100	32.000	1031010750605	4003530181764
	80	30	SPAX-RA 80	100	28.000	1031010750805	4003530181771
	100	30	SPAX-RA 100	100	28.000	1031010751005	4003530181788
	120	30	SPAX-RA 120	100	28.000	1031010751205	4003530181801
	130	30	SPAX-RA 130	100	28.000	1031010751305	4003530181818
	150*	30	SPAX-RA 150	100	28.000	1031010751505	4003530181825
	180*	30	SPAX-RA 180	100	14.000	1031010751805	4003530181832
	210*	30	SPAX-RA 210	100	12.000	1031010752105	4003530181849

* alternative design

OUTDOOR UNIVERSAL

FLAT COUNTERSUNK HEAD

T-STAR *plus* 64–68

PAN HEAD

T-STAR *plus* 69

OUTDOOR CONSTRUCTION

Flat countersunk head

Full thread 70–71

Washer head

Full and partial thread 72–74

OUTDOOR SPECIALS

Facade

The screw for wooden facades 76–79

Decking

The ideal screw for wooden decks 80–83

Boardwalks and footbridges 84–85

Metal screw

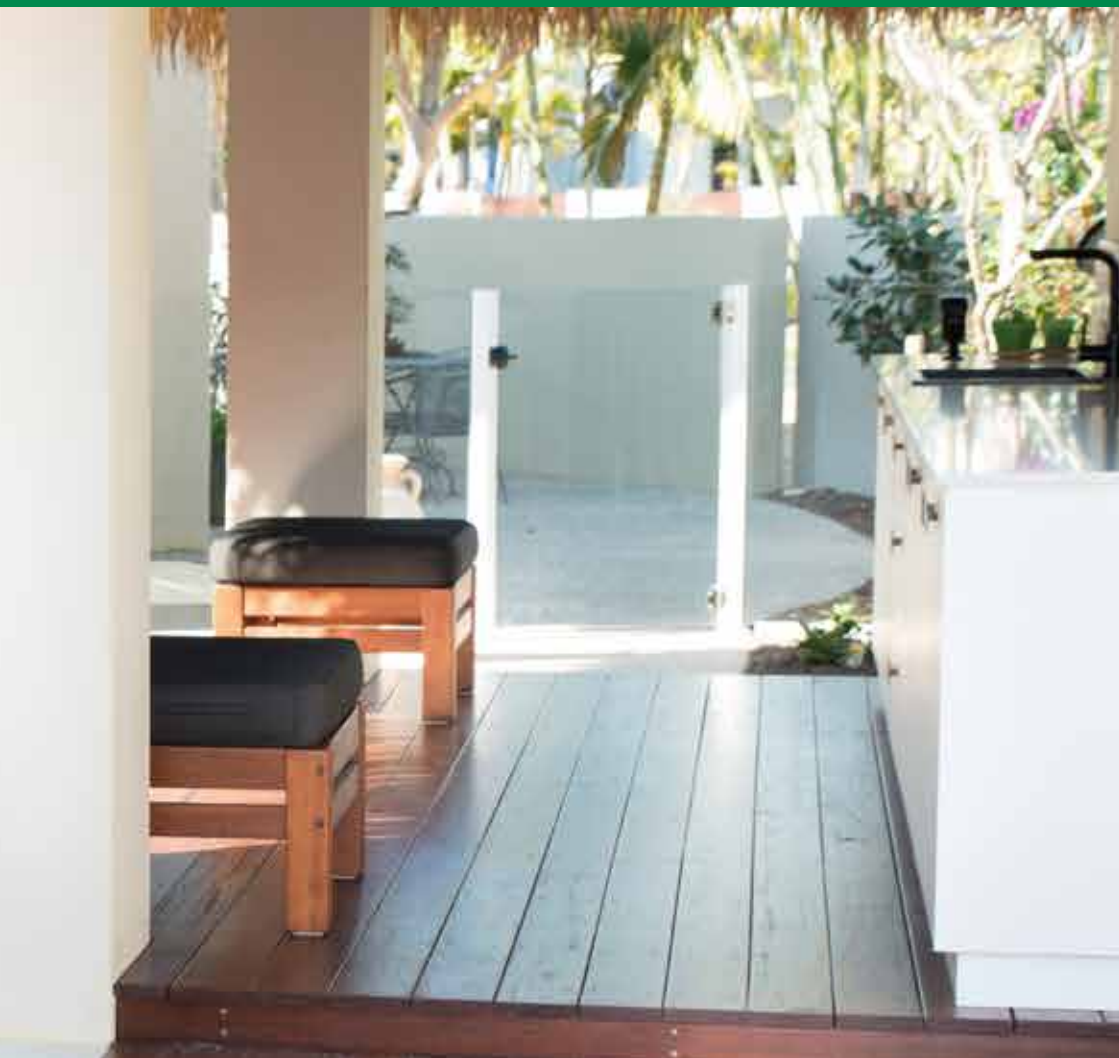
For connecting timber to steel 86–87

Accessories Decking 88–93

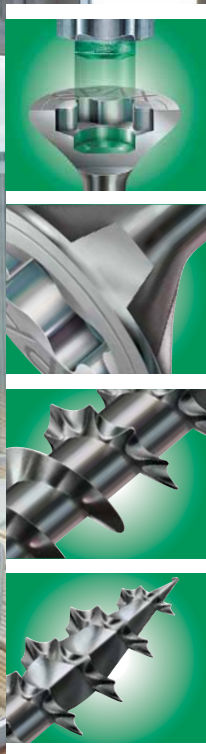


STAINLESS STEEL





STAINLESS STEEL
OUTDOOR UNIVERSAL



SPAX - Stainless steel

**Flat countersunk head, pan head,
raised countersunk head**
T-STAR plus



SPAX®
Stainless steel
T-STAR plus

Galvanised protective coatings often do not sufficiently protect steel screws against corrosion in outdoor areas. SPAX stainless steel avoids the problem of corrosion. It is particularly suited for high corrosion areas, eg: decks, outdoor structures, windows, doors and wet areas.



The advantages

- **4CUT**
No pre-drilling required. The point effectively reduces splitting. The square end pushes aside the fibre of the wood to reduce the screwing-in torque.
- **Ground serrations**
For quick and easy fastening.
- **MULTI Head**
Easy countersinking.
- **T-STAR plus**
Positive and secure fit of the BIT and better driving, eg: when working overhead.

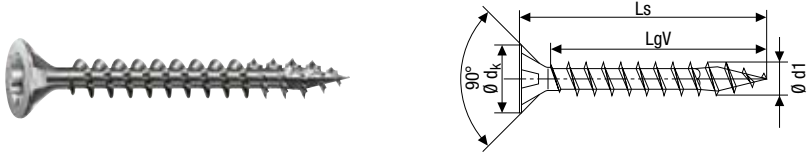


National and International classification for stainless steel.



The SPAX universal stainless steel is available in the following head shapes.





A2

Flat countersunk head,
 T-STAR *plus*

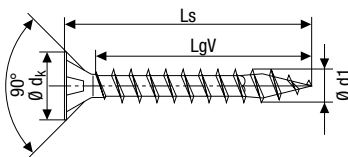
Stainless steel A2 1.4567

4CUT, MULTI Head, slide-coated

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1								
3.0 * Ø dk = 6.0mm	12	10	10	200	2,000	470,000	1197000300123	4003530167980
	16	14	10	200	2,000	470,000	1197000300163	4003530167997
	20	17	10	200	2,000	260,000	1197000300203	4003530168000
	25	21	10	200	2,000	260,000	1197000300253	4003530168017
	30	26	10	200	2,000	260,000	1197000300303	4003530168024
	35	31	10	200	2,000	260,000	1197000300353	4003530168031
	40	36	10	200	2,000	224,000	1197000300403	4003530168048
3.5 Ø dk = 7.0mm	16	13	20**	200	2,000	260,000	1197000350163	4003530156052
	20	16	20**	200	2,000	260,000	1197000350203	4003530156069
	25	21	20**	200	2,000	260,000	1197000350253	4003530157042
	30	25	20**	200	2,000	260,000	1197000350303	4003530168055
	35	30	20**	200	2,000	224,000	1197000350353	4003530168062
	40	35	20**	200	2,000	224,000	1197000350403	4003530168079
4.0 Ø dk = 8.0mm	20	16	20	200	2,000	260,000	1197000400203	4003530156076
	25	21	20	200	2,000	260,000	1197000400253	4003530157059
	30	25	20	200	2,000	224,000	1197000400303	4003530168086
	35	30	20	200	2,000	224,000	1197000400353	4003530168093
	40	35	20	200	2,000	126,000	1197000400403	4003530168109
	45	40	20	200	2,000	126,000	1197000400453	4003530168116
	50	45	20	200	2,000	126,000	1197000400503	4003530168123
4.5 Ø dk = 8.8mm	60	50	20	100	1,000	63,000	1197000400603	4003530168130
	25	20	20	200	2,000	224,000	1197000450253	4003530168147
	30	25	20	200	2,000	224,000	1197000450303	4003530168154
	35	30	20	200	2,000	126,000	1197000450353	4003530168161
	40	34	20	200	2,000	126,000	1197000450403	4003530168178
	45	39	20	200	2,000	126,000	1197000450453	4003530168185
	50	44	20	200	2,000	64,000	1197000450503	4003530168192
	60	54	20	100	1,000	63,000	1197000450603	4003530168208
	70	59	20	100	1,000	63,000	1197000450703	4003530168215

* alternative design

** Switchover to T20



Flat countersunk head, T-STAR *plus*

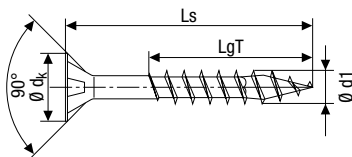
Stainless steel A2 1.4567

4CUT, MULTI Head, slide-coated

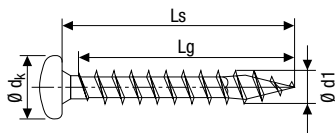
Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
5.0 Ø dk = 9.7mm	30	25	20	200	2,000	224,000	1197000500303	4003530168222
	35	30	20	200	2,000	126,000	1197000500353	4003530168239
	40	35	20	200	2,000	126,000	1197000500403	4003530168246
	45	39	20	200	2,000	126,000	1197000500453	4003530168253
	50	44	20	200	2,000	64,000	1197000500503	4003530168260
	60	54	20	100	1,000	63,000	1197000500603	4003530168277
	70	61	20	100	1,000	32,000	1197000500703	4003530168284
6.0 Ø dk = 11.6mm	80	61	20	100	1,000	32,000	1197000500803	4003530168291
	40	34	30	200	2,000	64,000	1197000600403	4003530168321
	50	43	30	100	1,000	32,000	1197000600503	4003530168345
	60	53	30	100	1,000	32,000	1197000600603	4003530168352
	70	61	30	100	1,000	32,000	1197000600703	4003530168369
	80	61	30	100	1,000	32,000	1197000600803	4003530168376

A2





* Switchover to T20



Stainless steel A2 1.4567

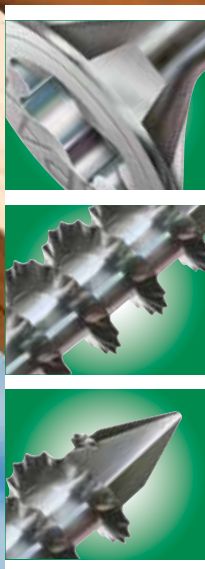
A2

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
4.0 Ø d _k = 8.0mm	20	18	20	200	2,000	260,000	0207000400203	4003530175220
	25	23	20	200	2,000	260,000	0207000400253	4003530175237
	30	27	20	200	2,000	224,000	0207000400303	4003530175244
	35	32	20	200	2,000	126,000	0207000400353	4003530175251
	40	37	20	200	2,000	126,000	0207000400403	4003530175268
	45	42	20	200	2,000	126,000	0207000400453	4003530175275
	50	47	20	200	2,000	126,000	0207000400503	4003530175282
5.0 Ø d _k = 9.9mm	25	22	20	200	2,000	224,000	0207000500253	4003530175299
	30	27	20	200	2,000	224,000	0207000500303	4003530175305
	40	37	20	200	2,000	126,000	0207000500403	4003530175312
	50	46	20	100	1,000	63,000	0207000500503	4003530175329

* alternative design



STAINLESS STEEL
OUTDOOR CONSTRUCTION
Flat countersunk head full thread



SPAX - Stainless steel

Flat countersunk head
for timber construction



Flat countersunk head for timber construction

The SPAX for added lateral compression stability, elastically connected beams and added lateral tension stability.

- **SPAX typical ground serrations**
For quick and easy fastening.

Cost-effective alternative to:

- Bolt connections.
- Formed metal sheet parts.
- Lateral reinforcement through:
glued-on reinforcement panels
or glued-in threaded bars.



The features

- Stainless steel A4 for permanent corrosion protection particularly suited for coastal areas.
- Absorption of high tensile and compressive forces by being fully threaded.
- Absorption of particularly high pulling forces compared to partial threaded screws.
- Wide spectrum of applications through screw lengths of up to 550mm.
- Approved according to **ETA-12/0114**.

Flat countersunk head, T-STAR *plus*

MULTI Head and CUT point, slide-coated

Stainless steel A4 1.4578

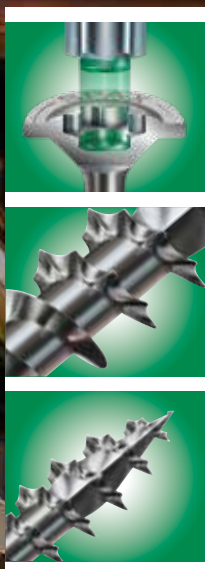
A4



Dimensions [mm]			Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total Ls	Length full thread LgV	BIT size T	SPAX BOX [pieces]	Master carton [pieces]		
10.0 Ø d _k = 18.6mm	160		50	50	500	1208001001605	4003530182501
	200		50	50	500	1208001002005	4003530182303
	220		50	50	500	1208001002205	4003530182310
	240		50	50	—	1208001002405	4003530178689
	260	Thread	50	50	—	1208001002605	4003530182327
	280	close	50	50	—	1208001002805	4003530182334
	300	to	50	50	—	1208001003005	4003530182341
	350	head	50	50	—	1208001003505	4003530182228
12.0* Ø d _k = 18.6mm	400		50	25	—	1208001204005	4003530182242
	450		50	25	—	1208001204505	4003530182259
	500		50	25	—	1208001205005	4003530182266
	550		50	20	—	1208001205505	4003530182495

* alternative design

STAINLESS STEEL
OUTDOOR CONSTRUCTION
Washer head full and partial thread



SPAX - Stainless steel

Washer head
T-STAR *plus*



SPAX®
T-STAR plus

**Advantages of a washer head
compared to a countersunk head:**

Better tightening of connections also of warped boards.

Washer head guarantees higher beam supporting forces (90 %) and allows savings with less screws and working time.

Easy screwing of steel parts and sheet metal to wood without prior countersinking of the bore hole eg: solar installations.

Improved gripping effect of the head when fastening thin sheet metal.



The advantages

- **4CUT**
No pre-drilling (wood-dependent), its point effectively reduces the splitting effect. The square end pushes aside the fibre of the wood and reduces the screwing-in torque.
- **Ground serrations**
For quick and secure fastening.
- **4CUT**
Starting at screw lengths of 160mm, the special moulding at the thread runout of partial thread screws significantly reduces the screwing-in torque.
- **T-STAR plus**
Positive and secure fit of the BIT T40 and better driving, eg: when working overhead.

A2

Washer head, T-STAR plus

4CUT, slide-coated

Stainless steel A2 1.4567

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length thread Lg	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
8.0 Ø d _k = 20mm	50	46	■	40	50	500	14,000	4003530182815
	60	56	■	40	50	500	14,000	4003530182839
	80	70	■	40	50	500	14,000	4003530176760
	100	80	■	40	50	500	14,000	4003530177880
	120	80	■	40	50	500	14,000	4003530177897
	140	80	□	40	50	500	14,000	4003530177903
	160	80	□	40	50	500	14,000	4003530177910
	180	80	□	40	50	500	14,000	4003530182143
	200	80	□	40	50	500	12,000	4003530182181

■ T-STAR plus, full thread

□ T-STAR plus, partial thread

**STAINLESS STEEL
OUTDOOR SPECIALS**

Facade



SPAX - Stainless steel

Raised countersunk head
for wooden facades with *CUT* point

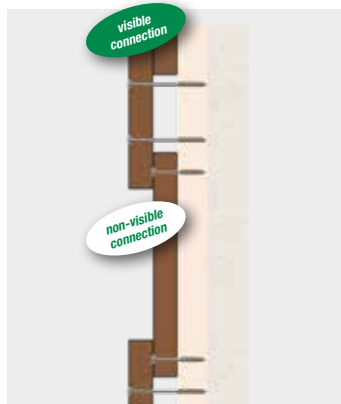


SPAX®

The ideal screw for
wooden facades
with *CUT point*

Application:
board and batten cladding

- Raised countersunk head.
- Head diameter: 8.8 – 9.7mm.
- T-STAR *plus* T20.
- Easy, strong screw fastening due to SPAX typical ground serrations.
- Ribs under the head ensure clean countersinking.
- The *CUT point* effectively reduces splitting of the wood.
- No pre-drilling required (wood-dependent).



Raised countersunk head with *CUT point*

T-STAR *plus*, with milled ribs, slide-coat

Stainless steel A2 1.4567

A2



Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1								
4.5 Ø d _k = 8.8mm	35	25	20	200	2,000	224,000	25170004503521	4003530184055
	40	25	20	200	2,000	126,000	25170004504021	4003530184062
	45	30	20	200	2,000	126,000	25170004504521	4003530184079
	50	32	20	200	2,000	64,000	25170004505021	4003530184086
	60	37	20	100	1,000	63,000	25170004506021	4003530184093
	70	42	20	100	1,000	32,000	25170004507021	4003530184109
	80	47	20	100	1,000	32,000	25170004508021	4003530184116
5.0 Ø d _k = 9.7mm	60	37	20	100	1,000	63,000	25170005006021	4003530184123
	70	41	20	100	1,000	32,000	25170005007021	4003530184130
	80	46	20	100	1,000	32,000	25170005008021	4003530184147
	90	61	20	100	1,000	32,000	25170005009021	4003530184154
	100	61	20	100	1,000	32,000	25170005010021	4003530184215



SPAX reference image – with the kind
permission of MetasWood

SPAX - Stainless steel



Raised countersunk head
for wooden facades with
very small head

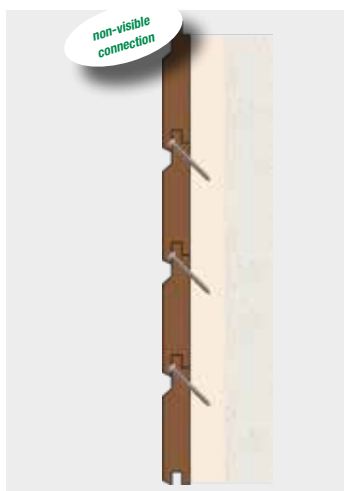


The ideal screw for
wooden facades
with very small head

Application example:
secret fastening of tongue and
groove profiles

**The ideal screw for wooden facades
and Accoya cladding**

- The very small raised countersunk head can be nicely countersunk and ensures a perfect tongue and groove connection.
- Easy, strong screw fastening due to SPAX typical ground serrations.
- The *CUT point* effectively reduces splitting of the wood.
- No pre-drilling needed in softwoods.



Raised countersunk head with very small head

Stainless steel A2 1.4567

T-STAR plus, *CUT point*, slide-coated

A2



Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
4.0 Ø d _k = 6.0mm	40	24	15	100	1,000	112,000	0467000400403	4003530184314
	45	29	15	100	1,000	112,000	0467000400453	4003530184321

**STAINLESS STEEL
OUTDOOR SPECIALS**

Decking



SPAX - Stainless steel

Cylindrical head
for timber decks



A4
AISI 316

1.4578

A2
AISI 304

1.4567

SPAX®

The ideal screw for timber decks

- **T-STAR plus** with recess T25 prevents the bit from slipping and ensures an ideal distribution of force.
- The small **cylinder head** can easily be countersunk in the timber with a reduced splitting of the material, providing for an impeccable visual appearance.
- The **fixing thread** permits a safe and permanent connection of the wood parts.
- **SPAX typical ground serrations** For quick and secure fastening.
- **CUT point** Effectively reduces splitting of the wood.

**Particularly suitable for coastal areas
in stainless steel A4.**



- Fast, clean work.
- Countersinks at a stroke.
- Easy fastening of screws - even with hardwood types.**

A2

A4



** In hard wood pre-drilling with a SPAX Step drill over the entire screw length is recommended.
You can find matching SPAX drills on page 92.



A2

Cylindrical head, T-STAR *plus*

Stainless steel A2 1.4567

With *CUT* point, fixing thread, slide-coated

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
d1								
5.0 Ø dk = 7.0mm	40	21	25	200	2,000	126,000	0537000500403	4003530165573
	50	21	25	200	2,000	64,000	0537000500503	4003530159589
	60	26	25	100	1,000	63,000	0537000500603	4003530159596
	70	31	25	100	1,000	32,000	0537000500703	4003530159602
	80	36	25	100	1,000	32,000	0537000500803	4003530159619



Step 1: Drill the boards and substructure with a SPAX Step drill (see also p. 92). Use the complete length of the drill. Use the highest possible speed (around 3,000 rpm).



Step 2: Drive the decking screw straight in with a T-STAR *plus* T25 BIT. Drive it in without stopping until the head is flush.



Result: Impeccable visual appearance and low splitting effect when sinking the cylinder head. Safe connection due to fixing thread.

In hard wood pre-drilling with a SPAX Step drill over the entire screw length is recommended. You can find matching SPAX drills on page 92.



Cylindrical head, T-STAR *plus*

With *CUT point*, fixing thread, slide-coated

Stainless steel A4 1.4578

A4



Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø d1	Length total L _s	Length partial thread L _{gT}	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
6.0 Ø d _k = 7.0mm	40	23	25	200	2,000	64,000	0538000600403	4003530247026
	50	23	25	100	1,000	32,000	0538000600503	4003530246678
	60	28	25	100	1,000	32,000	0538000600603	4003530246708
	80	40	25	100	1,000	32,000	0538000600803	4003530247040
	100	40	25	100	1,000	32,000	0538000601003	4003530247064



Step 1: Drill the boards and substructure with a SPAX Step drill (see also p. 92). Use the complete length of the drill. Use the highest possible speed (around 3,000 rpm).



Step 2: Drive the decking screw straight in with a T-STAR *plus* T25 BIT. Drive it in without stopping until the head is flush.



Result: Impeccable visual appearance and low splitting effect when sinking the cylinder head. Safe connection due to fixing thread.

In hard wood pre-drilling with a SPAX Step drill over the entire screw length is recommended. You can find matching SPAX drills on page 92.

STAINLESS STEEL OUTDOOR SPECIALS

Decks, boardwalks and footbridges



SPAX - Stainless steel

**The screw for decks, boardwalks
and footbridges**
in A4/316 stainless steel



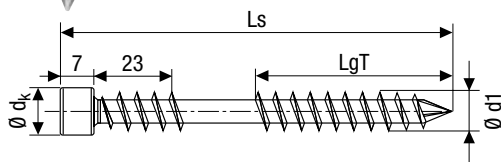
SPAX®

**for decks, boardwalks
and footbridges**
in A4/316 stainless steel.

The ideal screw for corrosive environments such as coastal areas and for treated timbers. We recommend pre-drilling with a SPAX 6mm step drill over the entire length of the screw. This product is the ideal solution for boardwalks, decks and other commercial applications in corrosive environments.

The SPAX advantages:

- T-STAR plus T40
- Cylindrical head
- Fixing thread
- SPAX typical ground serrations
- CUT point
- Stainless steel A4
- Synthetic coating
- Technical specifications available



Step 1: Pre-drill with SPAX step drill 6mm diameter over the entire screw length (see page 92). The wooden decking board displayed is 45mm thick.



Step 2: Fasten with SPAX-BIT T-STAR plus T40.



Result: Impeccable visual appearance with minimal splitting effect. Long lasting connection with minimum movement due to fixing thread.

Cylindrical head, T-STAR plus

With CUT point, fixing thread, slide-coated

Stainless steel A4 1.4578

A4

Dimensions [mm]				Packaging units			SPAX-No.	EAN code
Thread Ø	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	Master carton [pieces]	Pallet qty		
8.0 Ø d _K = 10.0mm	120	50	40	50	500	14,000	0538000801205	4003530241024

ETA requested



OUTDOOR SPECIALS

Metal Screw for connecting timber to steel
in DELTA®-SEAL.



SPAX - Outdoor

**The SPAX solution for connecting
timber to steel in DELTA®-SEAL.**



SPAX®

Metal Screw

The SPAX solution for connecting timber to steel in DELTA®-SEAL

This is the SPAX timber to steel screw for board thicknesses of 16 – 22mm. It's ideal for fastening fencing, screening, decking* or cement board to steel joists.

Do not use an impact driver to drive SPAX screws – use a normal drill at high speed.

Step 1 - Pre-drill the timber boards with a SPAX Step Drill (SPAX No. 5000009196540). There is no need to pre-drill the steel, as the specially designed tip of the timber to steel screw will pre-drill steel up to 5mm thick (minimum recommended steel thickness is 1.5mm). On decking boards, make sure to use a SPAX air spacer to allow enough space for timber and metal shavings. The air spacer also ensures the timber and steel are not in contact, to prevent corrosion.

Step 2 - Adjust your SPAX Step Drill and SPAX Drive Stop to the appropriate depth. You may need to test this on an offcut. Drive the timber to steel screw straight in with a SPAX Drive Stop at high speed (1,000 - 2,500rpm). The SPAX Drive Stop will ensure that all screw heads are driven to the correct depth.

Result - Impeccable visual appearance with minimal splitting. Long-lasting connection with minimum movement due to fixing thread.

*Check with your local building authority about fastening timber decking to steel joists.



Step 1



Step 2



Result

- **T-STAR plus**
- **Cylinder head**
- **Combination thread**
- **Drill point**

Incl.
1 T25 Drive BIT



Cylindrical head, T-STAR plus

Drill point, combination thread

DELTA®-SEAL

Dimensions [mm]				Packaging units	SPAX-No.	EAN code
Thread Ø	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]		
d1						
5.5	44	15	25	500	35505501002641	4003530244452
Ø dk = 7.0mm						





NEW!

Accessories
for decking



Accessories Decking

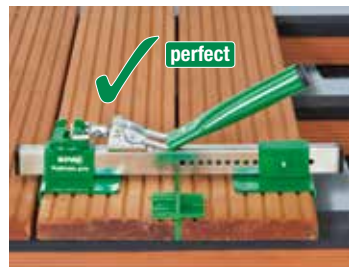
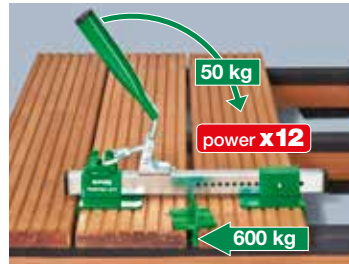
for aligning warped decking boards.

Warped boards can only be straightened with considerable force. Thanks to its patented lever principle, the Kaiman multiplies your lever pressure by a factor of 12. The Kaiman will not damage or leave any marks on the decking boards, unlike using tensioning straps or wedges.

SPAX® Kaiman *pro*



- SPAX Wrench (Kaiman *pro*) for the easy alignment of warped coverboards.
- SPAX positioning guide (Liner).
- 4 joint gauge for 4 joint widths: 4, 5, 6, 7mm



SPAX Wrench Kaiman *pro*

SPAX-No.	5009409872009
EAN code	4003530241093
Sales unit 1 set in a case	

SPAX® Pads



- Protects the wood sub-structure from rising damp.
- Dimensions: 100 x 100 x 8mm.
- 25 pieces bundled, 250 pieces per outer box.

SPAX-No.	5000009186609
EAN code	4003530191688
Sales unit 10 x 25 pieces per outer box	

SPAX® Tape

NEW!



- Protects the wood sub-structure from rain.
- Cellular rubber, self-adhesive.
- Thickness 0.5mm.

Dimensions: 30m x 87mm on a roll	
SPAX-No.	5000009186419
EAN code	4003530248566
Sales unit 5 rolls per outer box	

SPAX® Spacer



- Joint gauge for 4 joint widths: 4, 5, 6, 7mm.
- Check the deck board manufacturer's recommended spacing.
- 12 spacers in a handy reusable plastic tub, 3 tubs per outer box.

SPAX-No.	5000009186209
EAN code	4003530191640
Sales unit 3 x 12 pieces per outer box	

SPAX® Air



- Separates the boards from the substructure.
- Ensures optimal ventilation from below.
- Prevents waterlogging.
- Ensures the correct spacing between the boards.
- For board spacing 4.5mm.
- 100 pieces in handle box.

100 pieces in handle box	Spacing 4.5mm
SPAX-No.	5009422545009
EAN code	4003530241239
Sales unit 1 handle box	

SPAX® Drive STOP



- With adjustable depth gauges to ensure each screw reaches the correct depth.
- 1/4" BIT frame holder with retaining ring (For BIT exchange tools are necessary).
- 1 **SPAX®-BIT** T-STAR *plus*.
- T25 INOX.

SPAX-No.	5000009186909
EAN code	4003530189036
Sales unit 1 piece in transparent box	

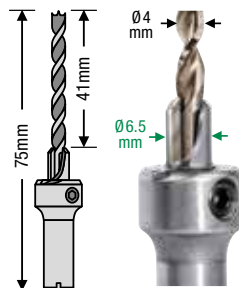
SPAX® Step drill 4mm



■ Step drill 4

- 1 x hardwood drill 4mm Ø
- 1 x countersink 6.5mm Ø
- 1 x hex key

- Drill exchangeable
- Drill adjustable in length
- Particularly suitable for SPAX decking screws in the lengths 40 - 60mm
- When using 70mm, 80mm, 100mm or 120mm long screws, replace the 4mm x 75mm drill-bit with a SPAX 4mm x 150mm drill-bit.



SPAX-No.	5000009186049
EAN code	4003530241581
Sales unit	1 Set

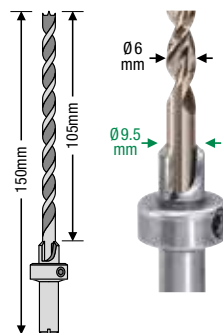
SPAX® Step drill 6mm



■ Step drill 6

- 2 x hardwood drill 6mm Ø
- 1 x countersink 9.5mm Ø
- 1 x hex key

- Drill exchangeable
- Drill adjustable in length
- Particularly suitable for SPAX boardwalks and footbridges (p. 84)



SPAX-No.	5000009186069
EAN code	4003530241598
Sales unit	1 Set

SPAX® Bonus Pack



■ Bonus Pack

includes

- 1 x FREE SPAX Step Drill
- 1 x T-STAR *plus* T25 Drive BIT
- 3 x SPAX Spacers

■ 550 pieces in handle box

5.0 x 50mm

SPAX-No.	4507000500529
EAN code	4003530187193
Sales unit 1 handle box	

■ 500 pieces in handle box

5.0 x 60mm

SPAX-No.	4507000500629
EAN code	4003530187209
Sales unit 1 handle box	



Step 1: Drill the boards and substructure with a SPAX Step drill (see also p. 92). Use the complete length of the drill. Use the highest possible speed (around 3,000 rpm).



Step 2: Drive the decking screw straight in with a T-STAR *plus* T25 BIT. Drive it in without stopping until the head is flush.



Result: Impeccable visual appearance and low splitting effect when sinking the cylinder head. Safe connection due to fixing thread.

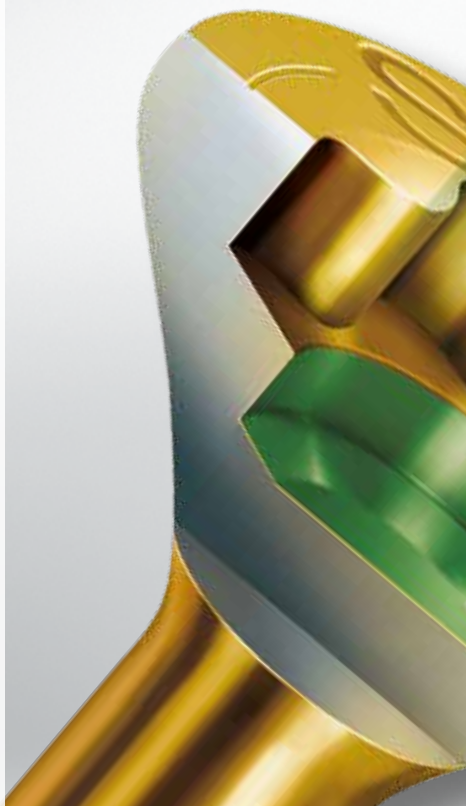
ASSEMBLY BOXES

Assembly case L-BOXX, plastic 96

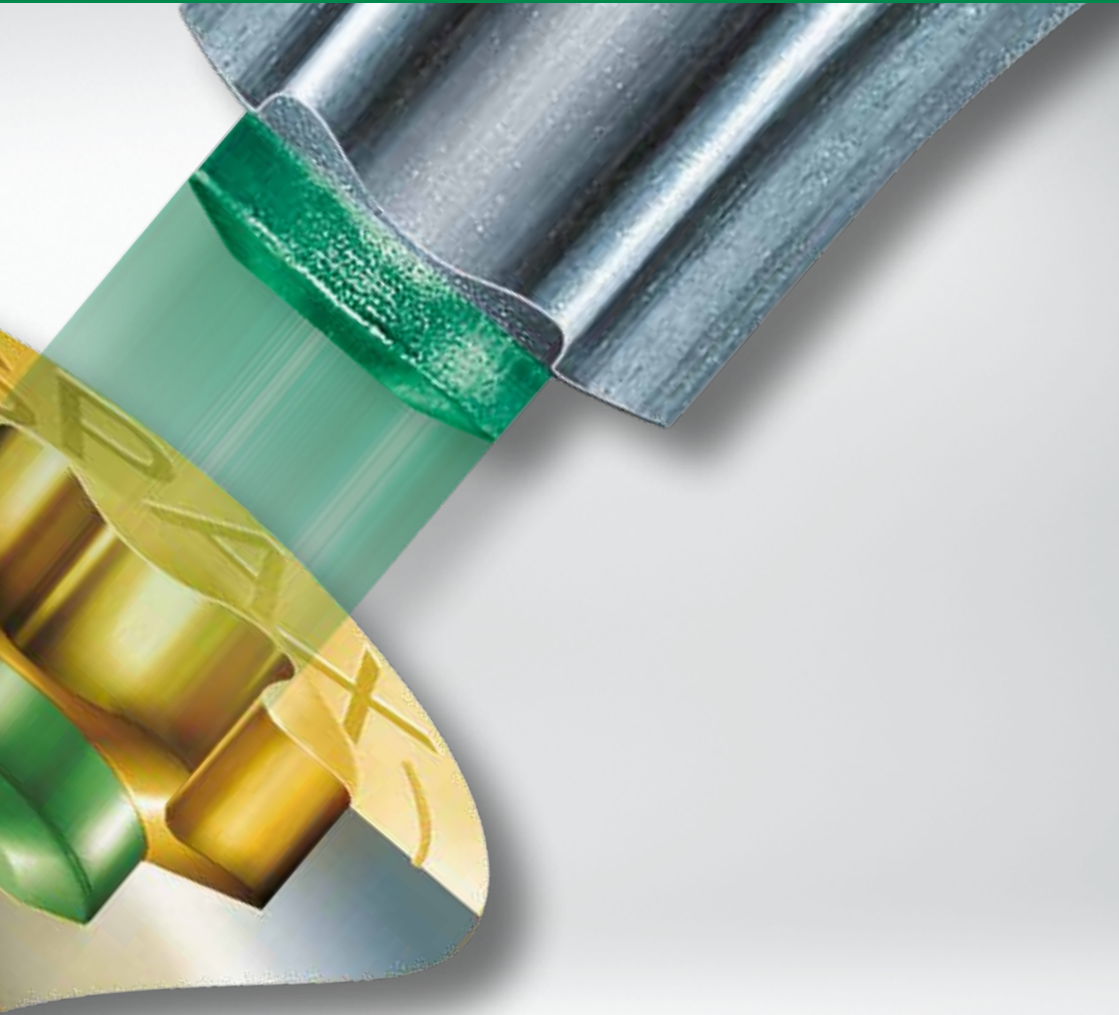
BIT-PROGRAMME

SPAX-BIT 98–100

SPAX-BIT *check* 101



EXTRAS





SPAX Assembly case L-BOXX

Plastic, big



A3J

SPAX®

Flat countersunk head, T-STAR plus

WIROX®

16 sizes, 2,446 pcs

1 BITcheck

SPAX-No.: 5000009161019

EAN code: 4003530247903

3.5 x 30 T 20	3.5 x 35 T 20	4.0 x 30 T 20	4.0 x 35 T 20	6.0 x 120 T 30
4.0 x 40 T 20	4.0 x 25 T 20	4.0 x 50 T 20	4.0 x 45 T 20	
	4.0 x 60 T 20		4.5 x 50 T 20	5.0 x 100 T 20
5.0 x 60 T 20	BITcheck		5.0 x 80 T 20	
			3.5 x 16 T 20	





SPAX Assembly box L-BOXX Mini

Plastic, small



A3J

SPAX®

Flat countersunk head, T-STAR *plus*

WIROX®

6 sizes, 703 pcs

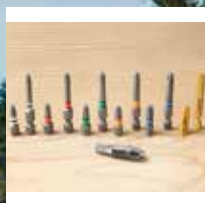
3 BITs T20

SPAX-No.: 5000009162019

EAN code: 4003530247910

3.5 x 16 T 20	4.0 x 35 T 20	4.0 x 50 T 20
3.5 x 30 T 20	4.0 x 40 T 20	4.5 x 60 T 20





EXTRAS

SPAX-BITs
T-STAR *plus*



SPAX®-BIT T-STAR plus

Secure fit of the BIT and better guidance eg: when working overhead



Properties:

- Colour coded SPAX T-STAR *plus* BITS are specially designed for SPAX screws and are available in bit sizes T10 to T40.
- With SPAX T-STAR *plus* BITS, you can achieve better force transmission, longer service life, quicker insertion and a better fit to save you both time and money.
- Colour coding makes it fast and easy to find the right bit.
- SPAX-BIT-Holder and SPAX-BITS are premium tools.



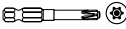
SPAX-BITS

T-STAR *plus*, length 25mm

						
Blade size	T 10	T 15	T 20	T 25	T 30	T 40
For SPAX thread Ø [mm]	3.0	3.5	3.5 4.0 4.5 5.0	Decking 5.0 for A2 6.0 for A4	6.0	8.0
5 Bits per box						
SPAX-No.	5000009182109	5000009182159	5000009182209	5000009182259	5000009182309	5000009182409
EAN code	4003530239632	4003530239649	4003530239656	4003530239663	4003530239670	4003530239687

SPAX-BITS T-STAR *plus*

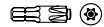
in single box, sales unit of 5 per box, length 50mm

  1/4"	 T 10	 T 15	 T 20	 T 25	 T 30	 T 40
Blade size	T 10	T 15	T 20	T 25	T 30	T 40
For SPAX thread Ø [mm]	3.0	3.5	3.5 4.0 4.5 5.0	Decking 5.0 for A2 6.0 for A4	6.0	8.0
5 Bits per box						
SPAX-No.	5000009183109	5000009183159	5000009183209	5000009183259	5000009183309	5000009183409
EAN code	4003530192852	4003530192869	4003530192876	4003530192883	4003530192890	4003530192906



SPAX-BITS T-STAR *plus*

in single box, sales unit of 5 boxes strapped, length 35mm

  1/4"	 T 50
Blade size	T 50
For SPAX thread Ø [mm]	10.0 and 12.0
1 piece per box, sales unit 5 boxes = 5 BITS	
SPAX-No.	5077701516035
EAN code	4003530241918



Application information:

Do not use a bit holder with SPAX Bits with a length of 50mm or 35mm. These bits should always be inserted directly into the chuck of the cordless screwdriver or power drill.

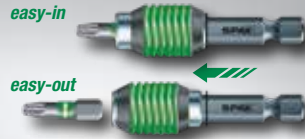


SPAX®-BITcheck

1 Rapidaptor BIT-Holder + 6 SPAX-BITs
T-STAR *plus* length 25mm, packing unit
10 BITcheck in a counter display

SPAX-No.	5000009181309
EAN code	4003530239922

Functionality of the **Rapidaptor**
with permanent magnet and *easy-out*
mechanism



SPAX-BITs

Example of colour coding



Learn more about screws

Recess types, head, thread
and point shapes, types of surface 104–105

Less BIT changes

with the SPAX T-STAR *plus* T20 recess 106–107

THE LITTLE ABC OF SCREWS



**THE LITTLE ABC
OF SCREWS**



LEARN MORE ABOUT SCREWS

Types of recess



Cross recess, type H



Cross recess, type Z



T-STAR *plus*

Head shapes



Flat countersunk head



Slightly raised, 90° flat countersunk head, only with 3.5mm dia.



Pan head



Raised countersunk head



Flange head



Cylindrical head



Washer head



Countersunk fillister head



With centre drill

Thread shapes



Full thread



Partial thread



Fixing thread



Point shapes



4CUT



CUT point



Metal drilling point

Types of surface



A2J Blue zinc plated



A3J WIROX



A2 Stainless steel A2/304



A3J Titan silver



A2L Zinc yellow passivated



P3J WIROX



A2 AISI 304
A2 antique



A2 antique
Stainless steel A2 antique



A2L YELLOX



P5J WIROX



A4 Stainless steel A4/316



C1A Bronze finish



A9J DELTA®-SEAL



E1J Nickel plated



A4 AISI 316

LESS BIT CHANGES
WITH SPAX T-STAR *PLUS* T20
RECESS



SPAX Universal 3.5mm diameter

Less BIT changes
with the SPAX T-STAR *plus* T20 recess

Less BIT changes with the SPAX T-STAR *plus* T20 recess

– just the **one** BIT needed for screws
with diameters from 3.5 to 5.0mm!

Make installation even more efficient with no need to
change drive BITS.

SPAX universal assortment

Until now

T-STAR *plus*
T15



Ø
3.5



Now

T-STAR *plus*
T20



Ø
3.5



3.5

Ø
4.0



Ø
4.5



Ø
5.0





**SPAX IS NOT ONLY CALLED
“INTERNATIONAL” – IT ACTUALLY IS!**

Production is carried out at our site in Ennepetal
and we export SPAX products to more than 40
countries across all continents.

08-2018 / AUS/NZL



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