

2013  

BRIEF OVERVIEW



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SPAX International GmbH & Co. KG - **Made in Germany**

We get involved - at home and abroad

SPAX is a company with a long-standing tradition and a great future. Meanwhile, our SPAX brand has become available all over the world. Nevertheless, we know where we belong.

That is why we remain loyal to the "Made in Germany" commitment and will also keep our Ennepetal site in the future. Furthermore: We are actively involved in many areas here in particular.

For instance, we provide dedicated and qualified vocational training in our apprenticeship workshop at the Ennepetal site.

Being involved in our local community is part of our corporate philosophy; just as is our commitment in a globalised world.



-  SPAX International, Ennepetal
-  SPAX TORNILLERIA, Madrid
-  SPAX SAFER, Barcelona
-  SPAX UK, Wolverhampton
-  SPAX FRANCE, Paris
-  SPAX POLSKA, Krakau
-  SPAX İSTANBUL BAĞLANTI
TEKNIĞİ TİCARET, Istanbul
-  SPAX Asia, Hong Kong
-  ALTENLOH, BRINCK & CO. U.S.,
INC., Bryan, OH



Flat countersunk head, *T-STAR plus* or cross recess, type Z

Blue zinc plated A2J

Range of standard packings								
   	Length [mm]	Ø [mm]						
		2.5	3.0	3.5	4.0	4.5	5.0	6.0
   	10	●	●					
	12	●	● ■	●	●			
	13		●	●				
	15	●	●	● ■	● ■			
	16	●	● ■	● ■	● ■	● ■	●	
	17		●	●	●			
	20	●	● ■	● ■	● ■	● ■	● ■	
	25	●	● ■	● ■	● ■	● ■	● ■	
	30		● ■ □	● ○ ■ □	● ○ ■ □	● ○ ■ □	● ■ □	●
	35		● □	● ○ ■ □	● ○ ■ □	● ○ ■ □	● ■ □	●
	40		● □	● ○ ■ □	● ○ ■ □	● ○ ■ □	● ○ ■ □	● □
	45		●	● ○ ■ □	● ○ ■ □	● ○ ■ □	● ○ ■ □	●
	50			● ○ □	● ○ ■ □	● ○ ■ □	● ○ ■ □	● ○ ■ □
	55				● ○	● ○	● ○ □	●
	60				● ○ □	● ○ ■ □	● ○ ■ □	● ○ ■ □
	65						● ○	
	70				● □	● ○ ■ □	● ○ ■ □	● ○ ■ □
	80				● □	● □	● ○ ■ □	● ○ ■ □
	90						○ □	○ □
	100						○ □	○ □
	110						○	○ □
	120						○ □	○ □
	130							○ □
	140							○ □
	150							○ □
with 4CUT cutter								
   	160						○ □	
	180						○ □	
	200						○ □	
	220						○ □	
	240						○ □	
	260						□	
	280						□	
	300						□	

■ *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

● Cross recess, type Z, full thread
○ Cross recess, type Z, partial thread

Flat countersunk head, *T-STAR plus* or cross recess, type Z

Blue zinc plated A2J

	Length [mm]	Range of small packings						
		2.5	3.0	3.5	4.0	4.5	5.0	6.0
</								

■ *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

● Cross recess, type Z, full thread
○ Cross recess, type Z, partial thread

Flat countersunk head, *T-STAR plus* or cross recess, type Z

Zinc yellow passivated A2L

	Length [mm]	Range of standard packings							
		Ø [mm]							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
  	10	●	●	●					
	12	●	●	● ■	●	●			
	13			● ■	●				
	15		●	● ■	● ■	● ■			
	16	●	●	● ■	● ■	● ■	●	●	
	17			● ■	●	●			
	20		●	● ■	● ■	● ■	●	●	
	25		●	● ■	● ■	● ■	●	●	
	30			● □	● ○ □	● ○ □	● ○ □	● ○ □	●
	35			● □	● ○ □	● ○ □	● ○ □	● ○ □	●
	40			● □	● ○ □	● ○ □	● ○ □	● ○ □	● □
	45			●	● ○ □	● ○ □	● ○ □	● ○ □	●
	50				● ○ □	● ○ □	● ○ □	● ○ □	● ○ □
	55					● ○	● ○	● ○ □	●
	60					● ○ □	● ○ □	● ○ □	● ○ □
	70					● □	● ○ □	● ○ □	● ○ □
	80					● □	● □	● ○ □	● ○ □
	90							○ □	○ □
	100							○ □	○ □
	110							○ □	○ □
	120							○ □	○ □
	130								○ □
	140								○ □
	150								○ □
	with 4CUT cutter								
	160								○ □
	180								○ □
	200								○ □
	220								○ □
	240								○ □
	260								□
	280								□
	300								□

■ *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

● Cross recess, type Z, full thread
○ Cross recess, type Z, partial thread

Flat countersunk head, *T-STAR plus* or cross recess, type Z

Zinc yellow passivated A2L

		Range of small packings							
	Length [mm]	Ø [mm]							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
   	10								
	12			● ■	●				
	13								
	15								
	16			● ■	● ■	●	●		
	17								
	20			● ■	● ■	● ■	●	●	
	25			● ■	● ■	● ■	●	●	
	30			●	● ○ □	● ○ □	● ○ □	●	□
	35			●	● ○ □	● ○ □	● ○ □	●	□
	40			●	● ○ □	● ○ □	● ○ □	● ○ □	●
	45				● □	● ○ □	● ○ □	● ○ □	●
	50				● □	● ○ □	● ○ □	● ○ □	● ○ □
	55							●	
	60					● ○ □	● ○ □	● ○ □	● ○ □
	70					● □	● ○ □	● ○ □	● ○ □
	80						● □	● ○ □	● ○ □
	90							○ □	○ □
	100							○ □	
	110								
	120								
	130								
	140								
	150								
with 4CUT cutter									
	160								
	180								
	200								
	220								
	240								
	260								
	280								
	300								

■ *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

● Cross recess, type Z, full thread
○ Cross recess, type Z, partial thread

Pan head, *T-STAR plus* or cross recess, type Z

Blue zinc plated A2J

Range of standard packings						
  	Length [mm]	Ø [mm]				
		3.0	3.5	4.0	4.5	6.0
	10	● ■				
	12	● ■	● ■	● ■	● ■	
	13	● ■	● ■	● ■		
	15	● ■	● ■	● ■	● ■	
	16	● ■	● ■	● ■	● ■	
	17	● ■	● ■	● ■	● ■	
	20	● ■	● ■	● ■	● ■	● ■
	25	● ■	● ■	● ■	● ■	● ■
	30	● ■	● ■	● ■	● ■	● ■
	35		● ■	● ■	● ■	● ■
	40		● ■	● ■	● ■	● ■
	45			● ■	● ■	● ■
	50			● ■	● ■	● ■
	60			● ■	● ■	● ■
	70				● ■	● ■
	80				● ■	● ■
	90				○ □	○ □
	100					○ □

■ *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

● Cross recess, type Z, full thread
○ Cross recess, type Z, partial thread

Pan head, *T-STAR plus*

Blue zinc plated A2J

Range of small packings						
 	Length [mm]	Ø [mm]				
		3.0	3.5	4.0	4.5	6.0
	10	■				
	12	■	■	■		
	16	■	■	■	■	
	20	■	■	■	■	
	25	■	■	■	■	
	30	■	■	■	■	
	35		■	■	■	
	40			■	■	■
	45			■	■	
	50			■	■	■
	60				■	
	70				■	
	80				■	

■ *T-STAR plus*, full thread

Raised countersunk head, *T-STAR plus* or cross recess, type Z

Blue zinc plated A2J

Range of standard packings					
Length [mm]	Ø [mm]				
	3.0	3.5	4.0	4.5	5.0
12	● ■	● ■			
13	● ■				
15	● ■		● ■		
16	● ■	● ■	● ■		
17	● ■	● ■	● ■		
20	● ■	● ■	● ■		
25	● ■	● ■	● ■		
30	● ■	● ■	● ■	● ■	
35	● ■	● ■	● ■	● ■	● ■
40		● ■	● ■	● ■	● ■
45			● ■	● ■	● ■
50			● ■	● ■	● ■
60					● ■

■ *T-STAR plus*, full thread

● Cross recess, type Z, full thread

Raised countersunk head, cross recess, type Z

Nickel plated E1J

Range of standard packings					
Length [mm]	Ø [mm]				
	3.0	3.5	4.0	4.5	5.0
16	●	●	●		
17			●	●	
20	●	●	●		
25	●	●	●		
30	●	●	●		
35		●	●	●	
40			●	●	
45			●		
50			●	●	●
60				●	●
70					●
80					●

● Cross recess, type Z, full thread

Flangehead, cross recess, type Z

Blue zinc plated A2J

Range of standard packings					
	Length [mm]	Ø [mm]			
		3.5	4.0	4.5	5.0
	13		●		
	17	●	●		
	20	●	●	●	●
	25	●	●	●	●
	30	●	●	●	●
	35	●	●	●	●
	40		●	●	●
	45		●	●	●
	50			●	●
	60				●

● Cross recess, type Z, full thread

Flat countersunk head, *T-STAR plus* or *T-STAR*

Range of standard packings				
WIROX® P3J		Zinc yellow passivated A2L		
	Length [mm]	Ø [mm]		
		8.0	10.0	12.0
	80	□	△	
	100	□		△
	120	□	△	△
	140	□	△	△
	with 4CUT cutter		without 4CUT cutter	
	160	□	△	△
	180	□	△	△
	200	□	△	△
	220	□	△	△
	240	□	△	△
	260	□	△	△
	280	□	△	△
	300	□	△	△
	320	□	△	
	340	□	△	
	350		▲	△
	360	□	△	
	380	□	△	
	400	□	△	△
	450	□	△	△
	500		▲	△
	550		▲	△
	600		▲	△
	800		▲	

■ *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

▲ *T-STAR*, full thread
△ *T-STAR*, partial thread

Washer head,
T-STAR plus or *T-STAR*

Range of standard packings				
WIROX® P3J		Zinc yellow passivated A2L		
	Length [mm]	Ø [mm]		
		6.0	8.0	10.0
	50		■*	
	60	■		
	80	■	■	▲
	100	□	■	▲
	120	□	■	▲
	140	□	□	△
	with 4CUT cutter			without 4CUT cutter
	160	□	□	△
	180	□	□	△
	200		□	△
	220		□	△
	240		□	△
	260		□	△
	280		□	△
	300		□	△
	320		□	△
	340		□	△
	360		□	△
	380		□	△
	400		□	△
	450		□	△

- *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

* Other surface: WIROX P5J

- ▲ *T-STAR*, full thread
△ *T-STAR*, partial thread

Cylindrical head,
T-STAR plus

Range of standard packings		
WIROX® P3J		
	Length [mm]	Ø [mm]
	50	
	60	
	80	■
	100	■
	120	■
	140	■
	160	■
	180	■
	200	■
	220	
	240	
	260	
	280	
	300	
	350	
	400	
	450	

- *T-STAR plus*, full thread

SPAX-M, flat countersunk head, *T-STAR plus*

Blue zinc plated A2J

Range of standard packings			
Length [mm]	Ø [mm] 3.5	Ø [mm] 4.0	Ø [mm] 4.5
40			
45			
50			
60			

 *T-STAR plus*, partial thread

SPAX for solid wood flooring, flat countersunk head, *T-STAR plus*

Zinc yellow passivated A2L

Range of standard packings	
Length [mm]	Ø [mm] 4.5
50	
60	
70	
80	

 *T-STAR plus*, fixing thread

Range of standard packings	
Length [mm]	Ø [mm] 3.5
35	
45	
55	

 *T-STAR plus*, fixing thread

Flat countersunk head, *T-STAR plus* or cross recess, type Z

Stainless steel A2 1.4567

		Range of small packings					
   	Length [mm]	Ø [mm]					
		3.0	3.5	4.0	4.5	5.0	6.0
   	12	●	■				
	16	●	■	●	■		
	20	●	■	●	■		
	25	●	■	●	■	●	■
	30	●	■	●	■	■	
	35	●	■	●	■	■	■
	40	●	■	●	■	■	■
	45			●	■	■	■
	50			●	■	■	■
	60			●	■	■	■
	70				●	■	■
	80					●	■
	90						○
	100					○	○
	120						○
	140						
with 4CUT cutter							
160							

■ *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread

● Cross recess, type Z, full thread
○ Cross recess, type Z, partial thread

Pan head, *T-STAR plus*

Stainless steel A2 1.4567

		Range of small packings			
 	Length [mm]	Ø [mm]			
		3.0	3.5	4.0	5.0
 	20	■	■	■	
	25			■	■
	30	■	■	■	■
	35			■	
	40			■	■
	45			■	
	50			■	■

■ *T-STAR plus*, full thread

Raised countersunk head, *T-STAR plus*

Stainless steel A2 1.4567

	Length [mm]	Range of small packings			
		Ø [mm]			
		3.0	3.5	4.0	4.5
	16	■	■		
	20	■	■		
	25	■	■		
	30	■	■		
	35			■	
	40			■	■
	45			■	
	50				■

■ *T-STAR plus*, full thread



Flat countersunk head, *T-STAR*

Stainless steel A4 1.4578

	Length [mm]	Range of standard packings	
		Ø [mm]	
		10.0	12.0
	160	▲	
	200	▲	
	220	▲	
	240	▲	
	260	▲	
	280	▲	
	300	▲	
	350	▲	
	400	▲	▲
	450		▲
	500		▲
	550		▲

▲ *T-STAR*, full thread



Washer head, *T-STAR plus*

Stainless steel A2 1.4567

	Length [mm]	Range of standard packings	
		Ø [mm]	
		6.0	8.0
	50		■
	60	■	■
	80	■	■
	100	□	■
	120	□	■
	140	□	□
	with 4CUT cutter		
	160		□
	180		□
	200		□

- *T-STAR plus*, full thread
□ *T-STAR plus*, partial thread



SPAX Facade, raised countersunk head, *T-STAR plus*

Stainless steel A2 1.4567

	Length [mm]	Range of small packings	
		Ø [mm]	
		4.5 Ø d _k = 8.8	5.0 Ø d _k = 9.7
	35	□	
	40	□	
	45	□	
	50	□	
	60	□	□
	70	□	□
	80	□	□
	90		□
	100		□

- *T-STAR plus*, partial thread Ø d_k = Head diameter in mm



SPAX Facade, raised countersunk head, *T-STAR plus*

Stainless steel A2 1.4567

Range of small packings				
  	Length [mm]	Ø [mm]		
		4.0	4.5	5.0
		Ø d _K = 6.0	Ø d _K = 7.0	Ø d _K = 8.0
	40	☐		
	45	☐		
	70		☐	
	100			☐

☐ *T-STAR plus*, partial thread

Ø d_K = Head diameter in mm

ETA requested



SPAX Facade, raised countersunk head, *T-STAR plus*

Stainless steel A2 1.4567

Stainless steel A2 antique 1.4567

Range of small packings		
 	Length [mm]	Ø [mm]
		4.5
		Ø d _K = 8.0
	50	☑
	60	☑
	70	☑

☑ *T-STAR plus*, fixing thread

Ø d_K = Head diameter in mm

ETA requested

Range of small packings		
 	Length [mm]	Ø [mm]
		4.5
		Ø d _K = 8.0
	50	☑
	60	☑

☑ *T-STAR plus*, fixing thread

ETA requested



SPAX Decking, cylindrical head, *T-STAR plus*

Stainless steel A2 1.4567

Range of small packings		
	Length [mm]	Ø [mm] 5.0
		Ø d _k = 7.0
	40	☑
	50	☑
	60	☑
	70	☑
	80	☑
		

Stainless steel A2 antique 1.4567

Range of small packings		
	Length [mm]	Ø [mm] 5.0
		Ø d _k = 7.0
	50	☑
	60	☑
		

Stainless steel A4 1.4578

Range of small packings		
	Length [mm]	Ø [mm] 5.5
		Ø d _k = 7.0
	40	☑
	50	☑
	60	☑
	70	☑
	80	☑
		

Stainless steel A4 antique 1.4578

Range of small packings		
	Length [mm]	Ø [mm] 5,5
		Ø d _k = 7.0
	50	☑
	60	☑
		

☑ *T-STAR plus*, fixing thread Ø d_k = Head diameter in mm

☑ *T-STAR plus*, fixing thread Ø d_k = Head diameter in mm

SPAX Decking, raised countersunk head, *T-STAR plus*

Stainless steel A2 1.4567

Range of small packings		
	Length [mm]	Ø [mm] 4.0
		Ø d _k = 6.0
	45	☐
		

☐ *T-STAR plus*, partial thread Ø d_k = Head diameter in mm

THE LITTLE ABC OF SCREWS

Learn more about screws

Recess types, head, thread and
point shapes

..... 206 - 207

SPAXI

..... 208

Bb Cc



THE LITTLE ABC
OF SCREWS



LEARN MORE ABOUT SCREWS

Types of recess



Cross recess,
type H



Cross recess,
type Z



SPAX *T-STAR plus*

Head shapes



Flat countersunk
head



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



SPAX *4CUT point*



SPAX *CUT point*



Self tapping point

THE LITTLE ABC OF SCREWS
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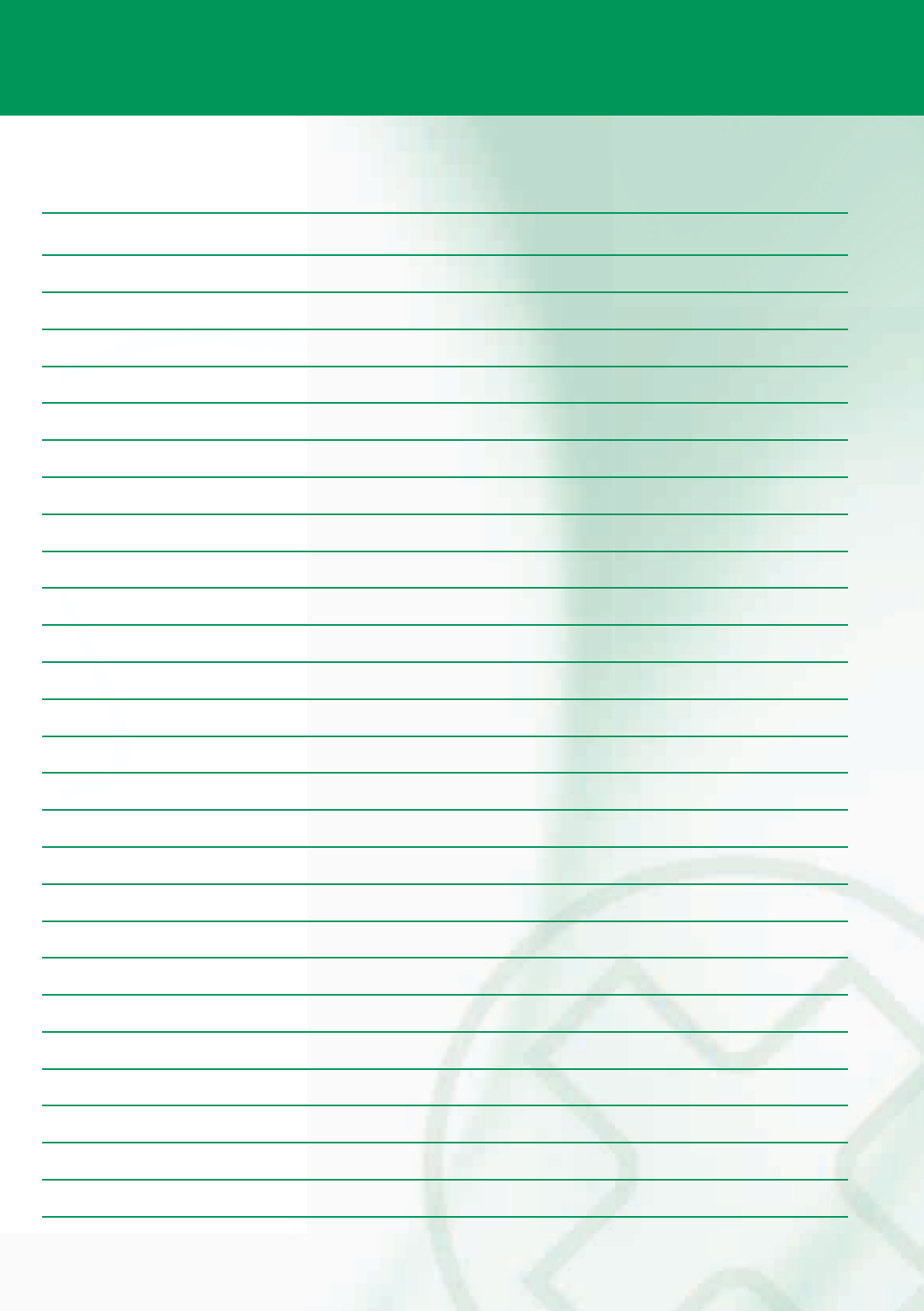


The SPAX tip

- Do you want to see and know how a SPAX is produced?
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