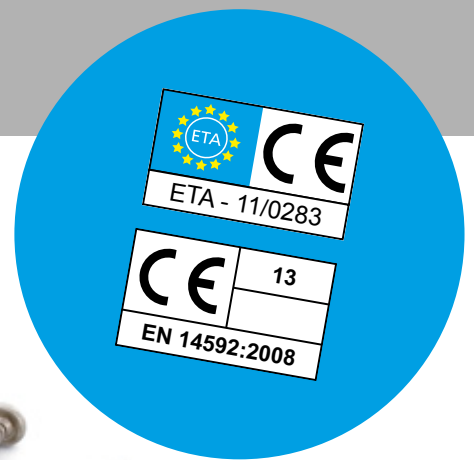
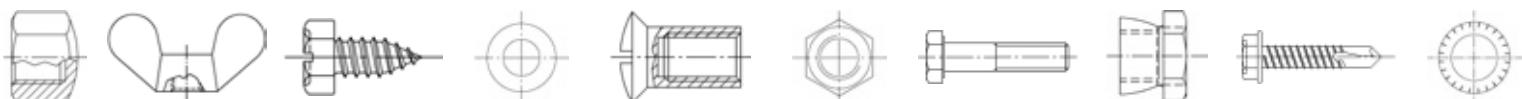


Schäfer + Peters GmbH
Competence in Stainless Steel



VIS A BOIS
TIMBER CONSTRUCTION





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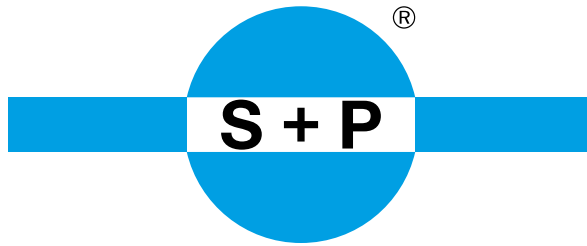
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Legende / legend

DIN-Artikel 

ART-Artikel 

ISO-Artikel 



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La société Schäfer + Peters est votre partenaire pour les fixations inoxydables résistantes aux acides, les éléments normalisés DIN à l'exemple de vis à bois, de vis métriques, de vis à tôle, de rondelles, d'écrous ainsi que de fixations de charges lourdes, de vis de sécurité, de fixations solaires, de pièces spéciales et dessinées, le tout dans différents modèles.

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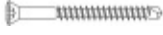

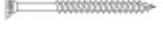





















Illustration picture	Article Item	Description Description	Page Page
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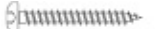

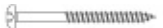

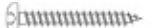





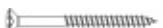



Illustration picture	Article Item	Description Description	Page Page
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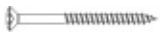



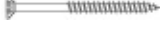





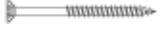





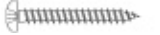

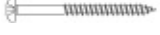

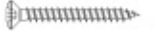

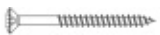

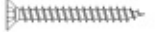

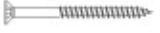

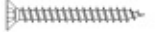

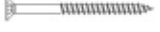

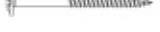





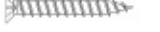

Illustration picture	Article Item	Description Description	Page Page
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Illustration picture	Article Item	Description Description	Page Page
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ARTICLE 9040 A2 TX VIS À BOIS TÊTE FRAISÉE SUPER-DRILL AUTOPERCEUSE

ITEM 9040 A2 TX
SUPER-DRILL CSK HEAD TIMBER SCREWS WITH DRILLING-POINT

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

Perce également les métaux doux à paroi mince tels l'aluminium jusqu'à une épaisseur de 2mm.

Une profondeur de vissage de 4 fois le diamètre est requise. Une profondeur de vissage de 8 fois le diamètre serait l'idéal. Une profondeur de plus de 12 fois le diamètre serait l'idéal. Une profondeur de plus de 12 fois le diamètre ne doit pas être prise en compte dans les calculs.

USES:

Ideal for outdoor screw connections such as those in boarding, fences, balconies, steps, playground equipment, facades and terraces.

Can also be drilled through thin-walled soft metal sheets, e.g. aluminium up to a thickness of 2 mm.

A minimum screw-in depth of 4x the diameter must be ensured. A screw-in depth of 8x the diameter should ideally be achieved. More than 12x the diameter must not be included in calculations.

CARACTÉRISTIQUES:

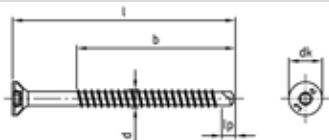
SUPER-DRILL

- Tête renforcée
- Tige stabilisée
- Filetage solide
- Revêtement de glissière spéciale
- Nervures de fraisage sous la tête
- TX entraînement à six lobes

FEATURES:

SUPER-DRILL

- Reinforced head
- Stabilised shoulder
- Distinct thread
- Special smooth coating
- ribs under the head
- TX driving feature



d d	l l	b b	dk dk	k k	lp lp	Empr. Drive size	Référence Item Number	
4	25	18	8	2,5	3,5	TX20	9040240 25	200
	30	21	8	2,5	3,5	TX20	9040240 30	200
	35	26	8	2,5	3,5	TX20	9040240 35	200
	40	26	8	2,5	3,5	TX20	9040240 40	200
	45	28	8	2,5	3,5	TX20	9040240 45	200
	50	33	8	2,5	3,5	TX20	9040240 50	200
	55	36	8	2,5	3,5	TX20	9040240 55	200
	60	40	8	2,5	3,5	TX20	9040240 60	200
	65	42	8	2,5	3,5	TX20	9040240 65	200
	70	50	8	2,5	3,5	TX20	9040240 70	200
4,5	80	50	8	2,5	3,5	TX20	9040240 80	200
	25	18	9	2,7	3,7	TX20	9040245 25	200
	30	21	9	2,7	3,7	TX20	9040245 30	200
	35	26	9	2,7	3,7	TX20	9040245 35	200
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	30	21	10	3	4,5	TX20	9040250 30	200
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	55	36	10	3	4,5	TX20	9040250 55	200
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160	66	12	3,6	4,9	TX25	9040260 160	100	
180	66	12	3,6	4,9	TX25	9040260 180	100	
200	66	12	3,6	4,9	TX25	9040260 200	100	



ARTICLE 9041 A2 TX VIS DE PLANCHER À SIX LOBES

ITEM 9041 A2 TX
FLOORBOARD SCREWS WITH SIX LOBE DRIVE

APPLICATIONS:

- Diamètre optimal pour glandes couloir dans la région de bord
- Fixation des revêtements de coffrage et le plancher
- Pour les raccords d'ornement, et barrettes de raccordement

USES:

- for all wood manufacturing companies (joinery, timber construction)
- everywhere you lay floorboards (in-and outside)
- optimum screw for low edge displacements

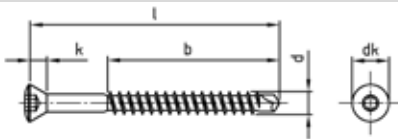
CARACTÉRISTIQUES:

- 60° tête décorative
- 6 ailettes
- Pointe de perçage

FEATURES:

- 60° Decorative head
- 6 ribs
- Drill bit

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
3,2	30	18	5,25	3	TX10	9041232 30/18	200
	35	24	5,25	3	TX10	9041232 35/24	200
	40	24	5,25	3	TX10	9041232 40/24	200
	50	30	5,25	3	TX10	9041232 50/30	200
	60	35	5,25	3	TX10	9041232 60/35	200





ARTICLE 9042 A4 VIS TERRASSE À TÊTE FRAISÉE QUAD- RA-SPEED AVEC POINTE CUT

ITEM 9042 A4 TX
QUADRA SPEED, CSK HEAD SCREWS, CUTTING POINT

APPLICATIONS:

Idéale pour les entreprises de transformation du bois (charpenterie, construction en bois, construction de façades), pour les professionnels du bois.

Pour les raccords d'angle dans les panneaux d'agglomérés, les panneaux MDF et le bois massif, pour les vissages très près du bord.

Fixation de ferrures dans la construction de fenêtres en bois, coffrage de façades et balustrades de balcon.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction, facade construction), in all areas in which professional woodworkers are employed.

For chipboard, MDF and solid wood corner joins, for screw connections with short edge distances.

Fastening fittings in the construction of wooden windows, cladding and balcony boards.

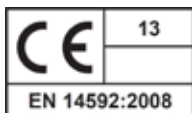
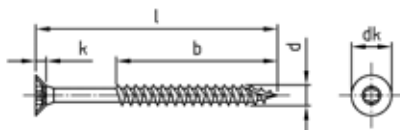
CARACTÉRISTIQUES:

- filetage carré révolutionnaire
- Pointe cut
- TX entraînement à six lobes
- stabilité longue durée
- nervures de fraisage sous la tête

FEATURES:

- revolutionary square thread
- cutting point
- TX driving feature
- Secure hold for years to come
- ribs under the head

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
4	40	24	7,95	2,5	TX20	9042440 40/24	200
	50	30	7,95	2,5	TX20	9042440 50/30	200
	60	40	7,95	2,5	TX20	9042440 60/40	200
	70	50	7,95	2,5	TX20	9042440 70/50	200
4,5	40	24	9	2,7	TX20	9042445 40/24	200
	50	30	9	2,7	TX20	9042445 50/30	200
	60	40	9	2,7	TX20	9042445 60/40	200
5	40	24	10	3	TX25	9042450 40/24	200
	50	30	10	3	TX25	9042450 50/30	200
	60	40	10	3	TX25	9042450 60/40	200
5	70	50	10	3	TX25	9042450 70/50	200
	80	60	10	3	TX25	9042450 80/60	200





ARTICLE 9043 1.4006 TX VIS TERRASSE À TÊTE FRAISÉE BOM- BÉE, T-DRILL, POINTE CUT

ITEM 9043 1.4006 TX
T-DRILL, RSD CSK HEAD TERRACE SCREWS, CUTTING POINT

APPLICATIONS:

Idéale pour les entreprises de transformation du bois (charpenteries, construction en bois) ainsi que tous les jardiniers et paysagistes pour les fixations de terrasses, des constructions en bois et des passerelles d'embarquement. Se prête aussi parfaitement à une utilisation dans les bois durs tels que le bankirai, le massaranduba, etc.

Une profondeur de vissage de 4 fois le diamètre est requise. Une profondeur de vissage de 8 fois le diamètre serait l'idéal selon la nature du bois.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

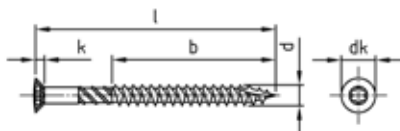
CARACTÉRISTIQUES:

- Tête renforcée
- Nervures coupantes
- Tige stabilisée
- nouvelle agencement des flancs de filet
- Pointe Cut
- Nervures de fraisage sous la tête
- TX entraînement à six lobes
- Revêtement de glissière spéciale

FEATURES:

- Reinforced head
- stripping ribs
- Stabilised shaft
- New kind of threaded flank arrangement
- cutting point
- ribs under the head
- TX driving feature
- Special smooth coating

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
5	40	26	7,95	3	TX25	9043400650 40	100
	50	32	7,95	3	TX25	9043400650 50	100
	60	39	7,95	3	TX25	9043400650 60	100
	70	46	7,95	3	TX25	9043400650 70	100
	80	52	7,95	3	TX25	9043400650 80	100





ARTICLE 9043 A2 TX VIS TERRASSE À TÊTE FRAISÉE BOM- BÉE, T-DRILL, POINTE CUT

ITEM 9043 A2 TX
T-DRILL, RSD CSK HEAD TERRACE SCREWS, CUTTING POINT

APPLICATIONS:

Idéale pour les entreprises de transformation du bois (charpenteries, construction en bois) ainsi que tous les jardiniers et paysagistes pour les fixations de terrasses, des constructions en bois et des passerelles d'embarquement. Se prête aussi parfaitement à une utilisation dans les bois durs tels que le bankirai, le massaranduba, etc.

Une profondeur de vissage de 4 fois le diamètre est requise. Une profondeur de vissage de 8 fois le diamètre serait l'idéal selon la nature du bois.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

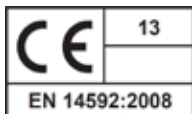
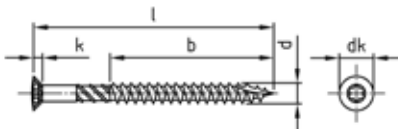
CARACTÉRISTIQUES:

- Tête renforcée
- Nervures coupantes
- Tige stabilisée
- nouvelle agencement des flancs de filet
- Pointe Cut
- Nervures de fraisage sous la tête
- TX entraînement à six lobes
- Revêtement de glissière spéciale

FEATURES:

- Reinforced head
- stripping ribs
- Stabilised shaft
- New kind of threaded flank arrangement
- cutting point
- ribs under the head
- TX driving feature
- Special smooth coating

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
5	40	26	7,95	3	TX25	9043250 40	100
	50	32	7,95	3	TX25	9043250 50	100
	60	39	7,95	3	TX25	9043250 60	100
	70	46	7,95	3	TX25	9043250 70	100
	80	52	7,95	3	TX25	9043250 80	100





ARTICLE 9043 A4 TX VIS TERRASSE À TÊTE FRAISÉE BOM- BÉE, T-DRILL, POINTE CUT

ITEM 9043 A4 TX
T-DRILL, RSD CSK HEAD TERRACE SCREWS, CUTTING POINT

APPLICATIONS:

Idéale pour les entreprises de transformation du bois (charpenteries, construction en bois) ainsi que tous les jardiniers et paysagistes pour les fixations de terrasses, des constructions en bois et des passerelles d'embarquement. Se prête aussi parfaitement à une utilisation dans les bois durs tels que le bankirai, le massaranduba, etc.

Une profondeur de vissage de 4 fois le diamètre est requise. Une profondeur de vissage de 8 fois le diamètre serait l'idéal selon la nature du bois.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

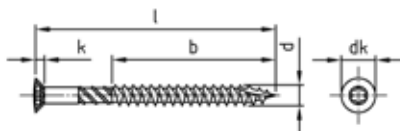
CARACTÉRISTIQUES:

- Tête renforcée
- Nervures coupantes
- Tige stabilisée
- nouvelle agencement des flancs de filet
- Pointe Cut
- Nervures de fraisage sous la tête
- TX entraînement à six lobes
- Revêtement de glissière spéciale

FEATURES:

- Reinforced head
- stripping ribs
- Stabilised shaft
- New kind of threaded flank arrangement
- cutting point
- ribs under the head
- TX driving feature
- Special smooth coating

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
5	40	26	7,95	3	TX25	9043450 40	100
	50	32	7,95	3	TX25	9043450 50	100
	60	39	7,95	3	TX25	9043450 60	100
	70	46	7,95	3	TX25	9043450 70	100
	80	52	7,95	3	TX25	9043450 80	100





ARTICLE 9044 A2 TX VIS TF POUR AGGLOMÉRÉS SP-DRILL AUTOPERCEUSE

ITEM 9044 A2 TX
SP-DRILL, CSK HEAD TIMBER SCREWS WITH DRILLING-POINT

APPLICATIONS:

Idéal pour vis extérieure conventionnelle comme BSW. Bardages, clôtures, balcons, passerelles, façades.

Idéal pour tourner les vis à bois tendre sans pré-perçage.

USES:

Idéal for outdoor screw connections such as those in boarding, fences, balconies, steps, playground equipment, facades and terraces.

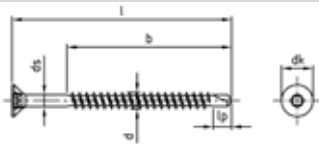
A minimum screw-in depth of 4x the diameter must be ensured. A screw-in depth of 8x the diameter should ideally be achieved. More than 12x the diameter must not be included in calculations.

CARACTÉRISTIQUES:

- pointe de perçage
- nervures de fraisage sous la tête
- TX entraînement à six lobes

FEATURES:

- Drill bit
- ribs under the head
- Inner multi-toothing



d	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9044240 25	9044245 25	9044250 25	
30	9044240 30	9044245 30	9044250 30	9044260 30
35	9044240 35	9044245 35	9044250 35	9044260 35
40	9044240 40	9044245 40	9044250 40	9044260 40
45	9044240 45	9044245 45	9044250 45	9044260 45
50	9044240 50	9044245 50	9044250 50	9044260 50
55	9044240 55	9044245 55	9044250 55	9044260 55
60	9044240 60	9044245 60	9044250 60	9044260 60
65	9044240 65	9044245 65	9044250 65	9044260 65
70	9044240 70	9044245 70	9044250 70	9044260 70
80	9044240 80	9044245 80	9044250 80	9044260 80
90		9044245 90	9044250 90	9044260 90
100		9044245 100	9044250 100	9044260 100
110				9044260 110
120			9044250 120	9044260 120
140				9044260 140
150				9044260 150
160				9044260 160
180				9044260 180
200				9044260 200
l	200	200	200	200 ≥ 100 100
dk	8	9	10	12
ds	2,84	3,11	3,54	4,25
lp	3,7	4,7	5,2	5,8
Empr.	TX20	TX20	TX25	TX25





ARTICLE 9142 A2 TX VIS TERRASSE À TÊTE FRAISÉE SK- DRILL, POINTE CUT

ITEM 9142 A2 TX
SK-DRILL, CSK HEAD TERRACE SCREWS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage bois de terrasse sur les structures en bois, principalement dans la région scandinave.

USES:

Idéal for bolting timbers of Terrace on wooden structures, mainly in the Scandinavian region.

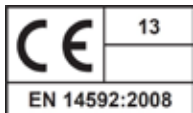
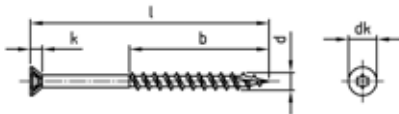
CARACTÉRISTIQUES:

- Tête fraisée 80°
- Nervures de fraisage sous la tête
- Pointe Cut
- fil grossier
- fil tronqué

FEATURES:

- 80° countersunk head
- ribs under the head
- Cutting score
- coarse thread
- truncated thread

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
4,2	28	20	7,6	3,65	TX20	9142242 28/20	250
	35	20	7,6	3,65	TX20	9142242 35/20	250
	42	22	7,6	3,65	TX20	9142242 42/22	250
	56	30	7,6	3,65	TX20	9142242 56/30	250
4,8	75	40	8,1	3,8	TX20	9142248 75/40	250
	100	60	8,1	3,8	TX20	9142248 100/60	250





ARTICLE 9142 A4 TX VIS TERRASSE À TÊTE FRAISÉE SK- DRILL, POINTE CUT

ITEM 9142 A4 TX
SK-DRILL, CSK HEAD TERRACE SCREWS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage bois de terrasse sur les structures en bois, principalement dans la région scandinave.

USES:

Idéal for bolting timbers of Terrace on wooden structures, mainly in the Scandinavian region.

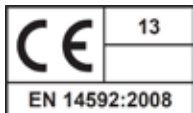
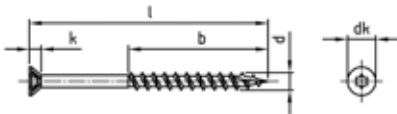
CARACTÉRISTIQUES:

- Tête fraisée 80°
- Nervures de fraisage sous la tête
- Pointe Cut
- fil grossier
- fil tronqué

FEATURES:

- 80° countersunk head
- ribs under the head
- Cutting score
- coarse thread
- truncated thread

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
4,2	28	20	7,6	3,65	TX20	9142442 28/20	250
	35	20	7,6	3,65	TX20	9142442 35/20	250
	42	22	7,6	3,65	TX20	9142442 42/22	250
	56	30	7,6	3,65	TX20	9142442 56/30	250
4,8	75	40	8,1	3,8	TX20	9142448 75/40	250
	100	60	8,1	3,8	TX20	9142448 100/60	250





ARTICLE 9143 A2 VIS TERRASSE À TÊTE FRAISÉE TBS- DRILL, POINTE CUT

ITEM 9143 A2 TX
TBS-DRILL CSK HEAD TERRACE SCREWS, CUTTING POINT

APPLICATIONS:

Idéale pour les entreprises de transformation du bois (charpenteries, construction en bois) ainsi que tous les jardiniers et paysagistes pour la fixation des bois de terrasse et des passerelles d'embarquement. Se prête aussi parfaitement à une utilisation dans les bois durs tels que le bankirai, le massaranduba, etc.

Une profondeur de vissage de 4 fois le diamètre est requise. Une profondeur de vissage de 8 fois le diamètre est recommandée en fonction du type de bois.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

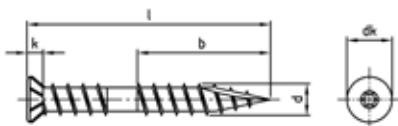
CARACTÉRISTIQUES:

- petite tête fraisée (7,5 mm Ø seulement)
- filetage supplémentaire au dessous de la tête
- tige stabilisée
- Pointe Cut
- nervures de fraisage sous la tête
- TX entraînement à six lobes

FEATURES:

- Small countersunk head (diameter just 7,5 mm)
- Additional thread under the head
- Stabilised shaft
- Cut tip
- ribs under the head
- TX inner multi-tooth drive

d d	l l	b b	dk dk	k k	Empr. Drive size	Référence Item Number	
5,3	40	22	7,5	3	TX20	9143253 40	100
	50	27	7,5	3	TX20	9143253 50	100
	60	27	7,5	3	TX20	9143253 60	100
	70	35	7,5	3	TX20	9143253 70	100
	80	40	7,5	3	TX20	9143253 80	100
	90	45	7,5	3	TX20	9143253 90	100
	100	50	7,5	3	TX20	9143253 100	100





ARTICLE 9241 1.4006 TX VIS À BOIS TF ORNEMENTALE, NER- VES COUPANTES, AUTOPERCEUSE

ITEM 9241 1.4006 TX
RSD CSK HEAD TIMBER SCREWS, DRILL-POINT, PEEL RIBS

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

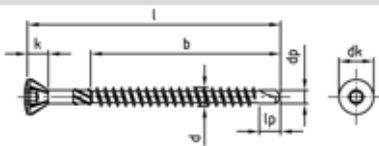
CARACTÉRISTIQUES:

- 60° Decorhead
- Percer
- Côtes Peeling
- Couper côtes sous la tête
- TX-six lecteur de lobe
- Hardened acier inoxydable martensitique (1.4006)
- Revêtement anti-friction spécial

FEATURES:

- 60° Decorative head
- drilling point
- Stripping ribs
- ribs under the head
- TX driving feature
- Martensitic stainless steel hardened (1.4006)
- Special smooth coating

d	3,2	4	4,5	5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
20	9241400632 20/14			
25	9241400632 25/17			
30	9241400632 30/18	9241400640 30/18		
35	9241400632 35/24	9241400640 35/24		
40	9241400632 40/24	9241400640 40/24	9241400645 40/24	9241400650 40/24
45		9241400640 45/30	9241400645 45/30	9241400650 45/30
50	9241400632 50/30	9241400640 50/30	9241400645 50/30	9241400650 50/30
60	9241400632 60/36	9241400640 60/36	9241400645 60/36	9241400650 60/36
70		9241400640 70/42	9241400645 70/42	9241400650 70/42
80			9241400645 80/54	9241400650 80/54
90				9241400650 90/54
100				9241400650 100/60
pk	500	200	200	200
dk	5	6	7	7,5
k	2	2,75	3,35	3,45
dp	2,4	2,6	3,3	3,6
lp	3,1	3,7	4,7	5,2
Empr.	TX10	TX15	TX20	TX20





ARTICLE 9242 1.4006 TX VIS À BOIS À TÊTE DÉCORATIVE AVEC POINTE CUT ET NERVURES COUPANTES

ITEM 9242 1.4006 TX
RSD CSK HEAD TIMBER SCREWS, CUT-POINT, PEEL RIBS

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

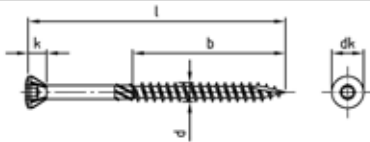
CARACTÉRISTIQUES:

- 60° Decorhead
- Pointe Cut
- Côtes Peeling
- Couper côtes sous la tête
- TX-six lecteur de lobe
- Revêtement anti-friction spécial

FEATURES:

- 60° Decorative head
- cutting point
- Stripping ribs
- ribs under the head
- TX driving feature
- Special smooth coating

d	4	4,5	5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
30	9242400640 30/18		
35	9242400640 35/24		
40	9242400640 40/24	9242400645 40/24	9242400650 40/24
45	9242400640 45/30	9242400645 45/30	9242400650 45/30
50	9242400640 50/30	9242400645 50/30	9242400650 50/30
60	9242400640 60/36	9242400645 60/36	9242400650 60/36
70		9242400645 70/42	9242400650 70/42
80		9242400645 80/48	9242400650 80/48
90			9242400650 90/54
100			9242400650 100/60
📏	200	200	200
dk	6	7	7,5
k	2,75	3,35	3,45
Empr.	TX15	TX20	TX25





ARTICLE 9242 A2

VIS À BOIS À TÊTE DÉCORATIVE AVEC POINTE CUT ET NERVURES COUPANTES

ITEM 9242 A2 TX
RSD CSK HEAD TIMBER SCREWS, CUT-POINT, PEEL RIBS

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

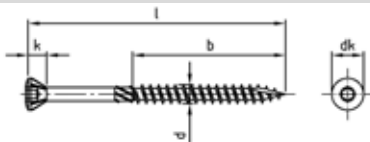
A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

CARACTÉRISTIQUES:

- 60° Decorhead
- Pointe Cut
- Côtes Peeling
- Couper côtes sous la tête
- TX-six lecteur de lobe
- Revêtement anti-friction spécial

FEATURES:

- 60° Decorative head
- cutting point
- Stripping ribs
- ribs under the head
- TX driving feature
- Special smooth coating



d	3,2	4	4,5	5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9242232 25/17			
30	9242232 30/18	9242240 30/18		
35	9242232 35/24	9242240 35/24		
40	9242232 40/24	9242240 40/24	9242245 40/24	9242250 40/24
45		9242240 45/30	9242245 45/30	9242250 45/30
50	9242232 50/30	9242240 50/30	9242245 50/30	9242250 50/30
60	9242232 60/36	9242240 60/36	9242245 60/36	9242250 60/36
70			9242245 70/42	9242250 70/42
80			9242245 80/48	9242250 80/48
90				9242250 90/54
100				9242250 100/60
l	200	200	200	200
dk	5	6	7	7,5
k	2	2,75	3,35	3,45
Empr.	TX10	TX15	TX20	TX25



ARTICLE 9242 A4 TX VIS À BOIS À TÊTE DÉCORATIVE AVEC POINTE CUT ET NERVURES COUPANTES

ITEM 9242 A4 TX
RSD CSK HEAD TIMBER SCREWS, CUT-POINT, PEEL RIBS

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

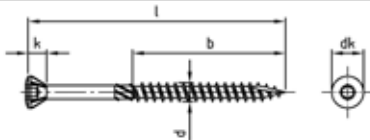
A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

CARACTÉRISTIQUES:

- 60° Decorhead
- Pointe Cut
- Côtes Peeling
- Couper côtes sous la tête
- TX-six lecteur de lobe
- Revêtement anti-friction spécial

FEATURES:

- 60° Decorative head
- cutting point
- Stripping ribs
- ribs under the head
- TX driving feature
- Special smooth coating



d	3,2	4	4,5	5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9242432 25/17			
30	9242432 30/18	9242440 30/18		
35	9242432 35/24	9242440 35/24		
40	9242432 40/24	9242440 40/24	9242445 40/24	9242450 40/24
45		9242440 45/30	9242445 45/30	9242450 45/30
50	9242432 50/30	9242440 50/30	9242445 50/30	9242450 50/30
60	9242432 60/36	9242440 60/36	9242445 60/36	9242450 60/36
70			9242445 70/42	9242450 70/42
80			9242445 80/48	9242450 80/48
90				9242450 90/54
100				9242450 100/60
	200	200	200	200
dk	5	6	7	7,5
k	2	2,75	3,35	3,45
Empr.	TX10	TX15	TX20	TX25



ARTICLE 9243 1.4006 TX VIS TERRASSE TBS-DRILL, TC

ITEM 9243 1.4006 TX
TBS-DRILL, CYL. HEAD TERRACE SCREWS

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

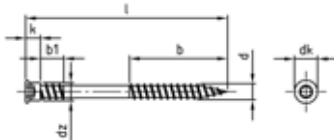
CARACTÉRISTIQUES:

- tête cylindrique
- renforcée au dessous de la tête
- TX entraînement à six lobes
- revêtement de glissière spéciale

FEATURES:

- Cylinder head
- Under head thread
- Standard tip
- TX driving feature
- Special smooth coating

d	5,5
l/mm	Art. Nr. / Item no.
40	9243400655 40
50	9243400655 50
60	9243400655 60
70	9243400655 70
80	9243400655 80
90	9243400655 90
100	9243400655 100
⌀	100
dk	8
k	5,1
b1	8
dz	6,15
Empr.	TX25





ARTICLE 9243 A4 TX VIS TERRASSE TBS-DRILL, TC

ITEM 9243 A4 TX
TBS-DRILL, CYL. HEAD TERRACE SCREWS

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

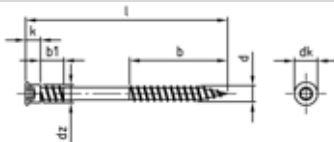
CARACTÉRISTIQUES:

- tête cylindrique
- renforcée au dessous de la tête
- TX entraînement à six lobes
- revêtement de glissière spéciale

FEATURES:

- Cylinder head
- Under head thread
- Standard tip
- TX driving feature
- Special smooth coating

d	5,5
l/mm	Art. Nr. / Item no.
40	9243455 40
50	9243455 50
60	9243455 60
70	9243455 70
80	9243455 80
90	9243455 90
100	9243455 100
⌀	100
dk	8
k	5,1
b1	8
dz	6,15
Empr.	TX25





ARTICLE 9244 1.4006 TX VIS À BOIS À TÊTE FRAISÉE AVEC POINTE DE PERÇAGE

ITEM 9244 1.4006 TX
CSK HEAD TIMBER SCREWS WITH DRILLING-POINT

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber) and all gardeners and landscapers for connection of wooden structures. Cover form-work perfectly suitable also for example in facade for wall coverings.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

CARACTÉRISTIQUES:

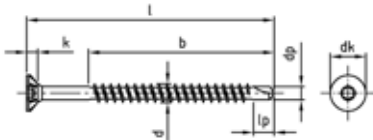
- 90 ° Tête fraisée
- Percer
- Couper côtes sous la tête
- TX-six lecteur de lobe
- Hardened acier inoxydable martensitique (1.4006)
- Revêtement anti-friction spécial

FEATURES:

- countersunk 90°
- drilling point
- ribs under the head
- TX driving feature
- Martensitic stainless steel hardened (1.4006)
- Special smooth coating

d	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
20	9244400635 20/12				
25	9244400635 25/15				
30	9244400635 30/18	9244400640 30/18	9244400645 30/18		
35		9244400640 35/24	9244400645 35/24		
40		9244400640 40/24	9244400645 40/24	9244400650 40/24	
45		9244400640 45/30	9244400645 45/30	9244400650 45/30	
50		9244400640 50/30	9244400645 50/30	9244400650 50/30	
60		9244400640 60/36	9244400645 60/36	9244400650 60/36	9244400660 60/36
70		9244400640 70/42	9244400645 70/42	9244400650 70/42	
80			9244400645 80/54	9244400650 80/54	9244400660 80/54
90				9244400650 90/54	9244400660 90/54
100				9244400650 100/60	9244400660 100/60
120					9244400660 120/70
140					9244400660 140/70
160					9244400660 160/70

	500	200	200	200	200 ≥ 100 100
dk	7	8	9	10	12
k	2,1	2,5	2,7	3	3,6
dp	2,8	3	3,3	3,6	4,4
lp	3,5	3,7	4,7	5,2	5,8
Empr.	TX15	TX15	TX20	TX25	TX30





ARTICLE 9245 1.4006 TX VIS TERRASSE À TÊTE CYLINDRIQUE TBS-DRILL, POINTE CUT

ARTIKEL 9245 1.4006 TX
TBS-DRILL, CYL. HEAD TERRACE SCREWS, CUTTING-POINT

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses

Pas de fissures dans le bois - Grâce à l'encoche dans L'entame du filetage qui prévient également les contraintes dans le bois.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

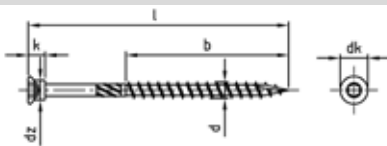
CARACTÉRISTIQUES:

- tête cylindrique
- nervures coupantes
- Pointe cut
- TX entraînement à six lobes
- acier trempé inoxydable martensitique
- revêtement de glissière spéciale

FEATURES:

- Cylinder head
- Stripping ribs
- Cut tip
- TX driving feature
- Martensitic stainless steel hardened (1.4006)
- Special smooth coating

d	4	4,5	5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
40	9245400640 40/24		
45	9245400640 45/24	9245400645 45/24	9245400650 45/24
50	9245400640 50/30	9245400645 50/30	9245400650 50/30
60	9245400640 60/36	9245400645 60/36	9245400650 60/36
70	9245400640 70/42	9245400645 70/42	9245400650 70/42
80		9245400645 80/48	9245400650 80/48
90			9245400650 90/54
100			9245400650 100/60
dk	200	200	100
dk	5,7	7,05	8,75
k	4,35	4,8	5,45
dz	3,95	5,35	6,15
Empr.	TX15	TX20	TX25





ARTICLE 9246 1.4006 TX VIS BOIS TF, AUTOPERCEUSE

ITEM 9246 1.4006 TX
SP-DRILL, CSK HEAD TIMBER SCREWS, DRILLING-POINT, SHANK RIBS

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple coffrages, clôtures, balcons, passerelles, équipements de jeu, façades et terrasses.

USES:

Ideal for all companies involved in wood processing (carpenters, timber construction) and all horticulturists and landscapers for fastening timbers and landing stages. Also the ideal solution for hardwoods such as Bankirai, Massaranduba, and many more.

A minimum screw-in depth of 4 x the diameter must be ensured. A screw-in depth of 8 x the diameter should be achieved depending on the wood.

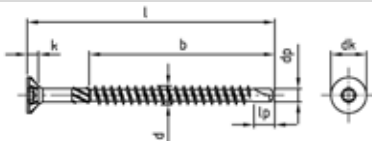
CARACTÉRISTIQUES:

- 90 ° Tête fraisée
- Percer
- Couper côtes sous la tête
- Côtes Peeling
- TX-six lecteur de lobe
- Hardened acier inoxydable martensitique (1.4006)
- Revêtement anti-friction spécial

FEATURES:

- countersunk 90°
- drilling point
- ribs under the head
- Stripping ribs
- TX driving feature
- Martensitic stainless steel hardened (1.4006)
- Special smooth coating

d	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9246400635 25/15				
30	9246400635 30/18	9246400640 30/18	9246400645 30/18		
35		9246400640 35/24	9246400645 35/24		
40		9246400640 40/24	9246400645 40/24	9246400650 40/24	
45		9246400640 45/30	9246400645 45/30	9246400650 45/30	
50		9246400640 50/30	9246400645 50/30	9246400650 50/30	
60		9246400640 60/36	9246400645 60/36	9246400650 60/36	9246400660 60/36
70		9246400640 70/42	9246400645 70/42	9246400650 70/42	
80			9246400645 80/54	9246400650 80/54	9246400660 80/54
90				9246400650 90/54	9246400660 90/54
100				9246400650 100/60	9246400660 100/60
120					9246400660 120/70
140					9246400660 140/70
160					9246400660 160/70
h	500	200	200	200	200 >= 100 100
dk	7	8	9	10	12
k	2,1	2,5	2,7	3	3,6
dp	2,8	3	3,3	3,6	4,4
lp	3,5	3,7	4,7	5,2	5,8
Empr.	TX15	TX15	TX20	TX25	TX25





ARTICLE 9045 A2 TX VIS À BOIS À TÊTE RONDE RENFORCÉE, FILETAGE COMPLET

ITEM 9045 A2 TX
DOUBLE PAN HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

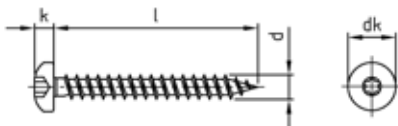
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage complet
- tête ronde
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATUES:

- fullthread
- pan head
- double pan head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9045230 10	9045235 10	9045240 10			
12	9045230 12	9045235 12	9045240 12	9045245 12		
16	9045230 16	9045235 16	9045240 16	9045245 16	9045250 16	
20	9045230 20	9045235 20	9045240 20	9045245 20	9045250 20	9045260 20
25	9045230 25	9045235 25	9045240 25	9045245 25	9045250 25	9045260 25
30	9045230 30	9045235 30	9045240 30	9045245 30	9045250 30	9045260 30
35	9045230 35	9045235 35	9045240 35	9045245 35	9045250 35	9045260 35
40	9045230 40	9045235 40	9045240 40	9045245 40	9045250 40	9045260 40
45		9045235 45	9045240 45	9045245 45	9045250 45	9045260 45
50		9045235 50	9045240 50	9045245 50	9045250 50	9045260 50
55			9045240 55	9045245 55	9045250 55	9045260 55
60			9045240 60	9045245 60	9045250 60	9045260 60
65			9045240 65	9045245 65	9045250 65	9045260 65
70			9045240 70	9045245 70	9045250 70	9045260 70
80				9045245 80	9045250 80	9045260 80
90					9045250 90	9045260 90
100					9045250 100	9045260 100
110						9045260 110
Empr.	TX10	TX10	TX20	TX20	TX25	TX25





ARTICLE 9045 A2 TX VIS À BOIS À TÊTE RONDE RENFORCÉE, FILETAGE PARTIEL

ITEM 9045 A2 TX
DOUBLE PAN HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

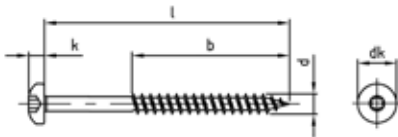
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête ronde
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- partial thread
- pan head
- double pan head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9045230 25/18	9045235 25/18	9045240 25/18	9045245 25/18	9045250 25/18	
30	9045230 30/18	9045235 30/18	9045240 30/18	9045245 30/18	9045250 30/20	9045260 30/20
35	9045230 35/24	9045235 35/24	9045240 35/24	9045245 35/24	9045250 35/24	9045260 35/24
40	9045230 40/24	9045235 40/24	9045240 40/24	9045245 40/24	9045250 40/24	9045260 40/24
45		9045235 45/30	9045240 45/30	9045245 45/30	9045250 45/30	9045260 45/30
50		9045235 50/30	9045240 50/30	9045245 50/30	9045250 50/30	9045260 50/30
55			9045240 55/36	9045245 55/36	9045250 55/36	9045260 55/36
60			9045240 60/36	9045245 60/36	9045250 60/36	9045260 60/36
65			9045240 65/42	9045245 65/42	9045250 65/42	9045260 65/42
70			9045240 70/42	9045245 70/42	9045250 70/42	9045260 70/42
80				9045245 80/48	9045250 80/48	9045260 80/48
90					9045250 90/54	9045260 90/54
100					9045250 100/60	9045260 100/70
110						9045260 110/70
120						9045260 120/70
	500	500	500 >= 40 200	500 >= 40 200	500 >= 40 200 >= 60 100	100
dk	6	7	8	9	10	12
k	2,5	2,6	3	3,1	3,7	4,7
Empr.	TX10	TX10	TX20	TX20	TX25	TX25





ARTICLE 9045 A4 TX VIS À BOIS À TÊTE RONDE RENFORCÉE, FILETAGE COMPLET

ITEM 9045 A4 TX
DOUBLE PAN HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

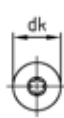
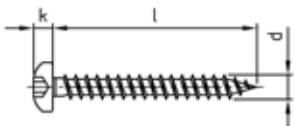
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage complet
- tête ronde
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- fullthread
- pan head
- double pan head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9045430 10	9045435 10	9045440 10			
12	9045430 12	9045435 12	9045440 12	9045445 12		
16	9045430 16	9045435 16	9045440 16	9045445 16	9045450 16	
20	9045430 20	9045435 20	9045440 20	9045445 20	9045450 20	9045460 20
25	9045430 25	9045435 25	9045440 25	9045445 25	9045450 25	9045460 25
30	9045430 30	9045435 30	9045440 30	9045445 30	9045450 30	9045460 30
35	9045430 35	9045435 35	9045440 35	9045445 35	9045450 35	9045460 35
40	9045430 40	9045435 40	9045440 40	9045445 40	9045450 40	9045460 40
45		9045435 45	9045440 45	9045445 45	9045450 45	9045460 45
50		9045435 50	9045440 50	9045445 50	9045450 50	9045460 50
55			9045440 55	9045445 55	9045450 55	9045460 55
60			9045440 60	9045445 60	9045450 60	9045460 60
65			9045440 65	9045445 65	9045450 65	9045460 65
70			9045440 70	9045445 70	9045450 70	9045460 70
80				9045445 80	9045450 80	9045460 80
90					9045450 90	9045460 90
100					9045450 100	9045460 100
110						9045460 110
	200	200	200	200	200 >= 60 100	100
dk	6	7	8	9	10	12
k	2,5	2,6	3	3,1	3,7	4,7
Empr.	TX10	TX15	TX20	TX20	TX25	TX25



ETA - 11/0283



ARTICLE 9045 A4 TX VIS À BOIS À TÊTE RONDE RENFORCÉE, FILETAGE PARTIEL

ITEM 9045 A4 TX
DOUBLE PAN HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

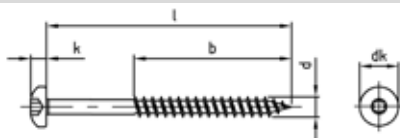
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête ronde
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- partial thread
- pan head
- double pan head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9045430 25/18	9045435 25/18	9045440 25/18	9045445 25/18	9045450 25/18	
30	9045430 30/18	9045435 30/18	9045440 30/18	9045445 30/18	9045450 30/20	9045460 30/20
35	9045430 35/24	9045435 35/24	9045440 35/24	9045445 35/24	9045450 35/24	9045460 35/24
40	9045430 40/24	9045435 40/24	9045440 40/24	9045445 40/24	9045450 40/24	9045460 40/24
45		9045435 45/30	9045440 45/30	9045445 45/30	9045450 45/30	9045460 45/30
50		9045435 50/30	9045440 50/30	9045445 50/30	9045450 50/30	9045460 50/30
55			9045440 55/36	9045445 55/36	9045450 55/36	9045460 55/36
60			9045440 60/36	9045445 60/36	9045450 60/36	9045460 60/36
65			9045440 65/42	9045445 65/42	9045450 65/42	9045460 65/42
70			9045440 70/42	9045445 70/42	9045450 70/42	9045460 70/42
80				9045445 80/48	9045450 80/48	9045460 80/48
90					9045450 90/54	9045460 90/54
100					9045450 100/60	9045460 100/70
110						9045460 110/70
120						9045460 120/70
Empr.	TX10	TX15	TX20	TX20	TX25	TX25
dk	6	7	8	9	10	12
k	2,5	2,6	3	3,1	3,7	4,7
Empr.	200	200	200	200	200 ≥ 60 100	100



ARTICLE 9046 A2 TX

VIS À BOIS À TÊTE FRAISÉE BOMBÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9046 A2 TX
DOUBLE RAISED COUNTERSUNK HEAD TIMBER SCREWS WITH FULL-THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

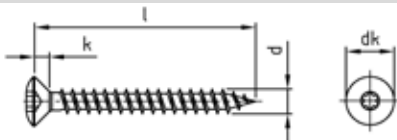
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage complet
- tête fraisée bombée
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- fullthread
- raised countersunk head
- double raised countersunk head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9046230 10	9046235 10	9046240 10			
12	9046230 12	9046235 12	9046240 12	9046245 12		
16	9046230 16	9046235 16	9046240 16	9046245 16	9046250 16	
20	9046230 20	9046235 20	9046240 20	9046245 20	9046250 20	9046260 20
25	9046230 25	9046235 25	9046240 25	9046245 25	9046250 25	9046260 25
30	9046230 30	9046235 30	9046240 30	9046245 30	9046250 30	9046260 30
35	9046230 35	9046235 35	9046240 35	9046245 35	9046250 35	9046260 35
40	9046230 40	9046235 40	9046240 40	9046245 40	9046250 40	9046260 40
45		9046235 45	9046240 45	9046245 45	9046250 45	9046260 45
50		9046235 50	9046240 50	9046245 50	9046250 50	9046260 50
55			9046240 55	9046245 55	9046250 55	9046260 55
60			9046240 60	9046245 60	9046250 60	9046260 60
65			9046240 65	9046245 65	9046250 65	9046260 65
70			9046240 70	9046245 70	9046250 70	9046260 70
80				9046245 80	9046250 80	9046260 80
90					9046250 90	9046260 90
100					9046250 100	9046260 100
Ø	500	500	500 >= 40 200	500 >= 40 200	500 >= 40 200 >= 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	TX10	TX10	TX20	TX20	TX25	TX25





ARTICLE 9046 A2 TX VIS À BOIS À TÊTE FRAISÉE BOMBÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9046 A2 TX
DOUBLE RAISED COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL
THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

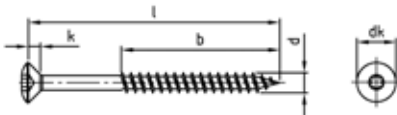
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée bombée
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- partial thread
- raised countersunk head
- double raised countersunk head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9046230 25/18	9046235 25/18	9046240 25/18	9046245 25/18	9046250 25/18	
30	9046230 30/18	9046235 30/18	9046240 30/18	9046245 30/18	9046250 30/20	9046260 30/20
35	9046230 35/24	9046235 35/24	9046240 35/24	9046245 35/24	9046250 35/24	9046260 35/24
40	9046230 40/24	9046235 40/24	9046240 40/24	9046245 40/24	9046250 40/24	9046260 40/24
45		9046235 45/30	9046240 45/30	9046245 45/30	9046250 45/30	9046260 45/30
50		9046235 50/30	9046240 50/30	9046245 50/30	9046250 50/30	9046260 50/30
55			9046240 55/36	9046245 55/36	9046250 55/36	9046260 55/36
60			9046240 60/36	9046245 60/36	9046250 60/36	9046260 60/36
65			9046240 65/42	9046245 65/42	9046250 65/42	9046260 65/42
70			9046240 70/42	9046245 70/42	9046250 70/42	9046260 70/42
80				9046245 80/48	9046250 80/48	9046260 80/48
90					9046250 90/54	9046260 90/54
100					9046250 100/60	9046260 100/70
110						9046260 110/70
120						9046260 120/70
	500	500	500 >= 40 200	500 >= 40 200	500 >= 40 200 >= 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	TX10	TX10	TX20	TX20	TX25	TX25





ARTICLE 9046 A4 TX

VIS À BOIS À TÊTE FRAISÉE BOMBÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9046 A4 TX
DOUBLE RAISED COUNTERSUNK HEAD TIMBER SCREWS WITH FULL-THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

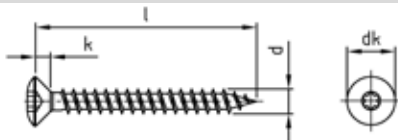
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage complet
- tête fraisée bombée
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- fullthread
- raised countersunk head
- double raised countersunk head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9046430 10	9046435 10	9046440 10			
12	9046430 12	9046435 12	9046440 12	9046445 12		
16	9046430 16	9046435 16	9046440 16	9046445 16	9046450 16	
20	9046430 20	9046435 20	9046440 20	9046445 20	9046450 20	9046460 20
25	9046430 25	9046435 25	9046440 25	9046445 25	9046450 25	9046460 25
30	9046430 30	9046435 30	9046440 30	9046445 30	9046450 30	9046460 30
35	9046430 35	9046435 35	9046440 35	9046445 35	9046450 35	9046460 35
40	9046430 40	9046435 40	9046440 40	9046445 40	9046450 40	9046460 40
45		9046435 45	9046440 45	9046445 45	9046450 45	9046460 45
50		9046435 50	9046440 50	9046445 50	9046450 50	9046460 50
55			9046440 55	9046445 55	9046450 55	9046460 55
60			9046440 60	9046445 60	9046450 60	9046460 60
65			9046440 65	9046445 65	9046450 65	9046460 65
70			9046440 70	9046445 70	9046450 70	9046460 70
80				9046445 80	9046450 80	9046460 80
90					9046450 90	9046460 90
100					9046450 100	9046460 100
	200	200	200	200	200 >= 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	TX10	TX15	TX20	TX20	TX25	TX25





ARTICLE 9046 A4 TX VIS À BOIS À TÊTE FRAISÉE BOMBÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9046 A4 TX
DOUBLE RAISED COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL
THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

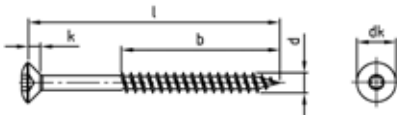
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée bombée
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- partial thread
- raised countersunk head
- double raised countersunk head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9046430 25/18	9046435 25/18	9046440 25/18	9046445 25/18	9046450 25/18	
30	9046430 30/18	9046435 30/18	9046440 30/18	9046445 30/18	9046450 30/20	9046460 30/20
35	9046430 35/24	9046435 35/24	9046440 35/24	9046445 35/24	9046450 35/24	9046460 35/24
40	9046430 40/24	9046435 40/24	9046440 40/24	9046445 40/24	9046450 40/24	9046460 40/24
45		9046435 45/30	9046440 45/30	9046445 45/24	9046450 45/30	9046460 45/30
50		9046435 50/30	9046440 50/30	9046445 50/30	9046450 50/30	9046460 50/30
55			9046440 55/36	9046445 55/36	9046450 55/36	9046460 55/36
60			9046440 60/36	9046445 60/36	9046450 60/36	9046460 60/36
65			9046440 65/42	9046445 65/42	9046450 65/42	9046460 65/42
70			9046440 70/42	9046445 70/42	9046450 70/42	9046460 70/42
80				9046445 80/48	9046450 80/48	9046460 80/48
90					9046450 90/54	9046460 90/54
100					9046450 100/60	9046460 100/70
110						9046460 110/70
120						9046460 120/70
Empr.	TX10	TX10	TX20	TX20	TX25	TX25
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	TX10	TX10	TX20	TX20	TX25	TX25



ARTICLE 9047 A2 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9047 A2 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

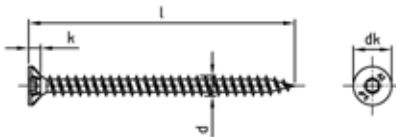
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage complet
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- fullthread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9047230 10	9047235 10	9047240 10	
12	9047230 12	9047235 12	9047240 12	9047245 12
16	9047230 16	9047235 16	9047240 16	9047245 16
20	9047230 20	9047235 20	9047240 20	9047245 20
25	9047230 25	9047235 25	9047240 25	9047245 25
30	9047230 30	9047235 30	9047240 30	9047245 30
35	9047230 35	9047235 35	9047240 35	9047245 35
40	9047230 40	9047235 40	9047240 40	9047245 40
45	9047230 45	9047235 45	9047240 45	9047245 45
50	9047230 50	9047235 50	9047240 50	9047245 50
55			9047240 55	9047245 55
60			9047240 60	9047245 60
65			9047240 65	9047245 65
70			9047240 70	9047245 70
80			9047240 80	9047245 80
90				9047245 90
100				9047245 100
Ø	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200
dk	6	7	8	9
k	1,9	2,1	2,5	2,7
Empr.	TX10	TX10	TX20	TX20



ETA - 11/0283



ARTICLE 9047 A2 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9047 A2 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

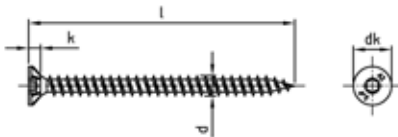
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage complet
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- fullthread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip



d	5	6	8	10
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10				
12				
16	9047250 16			
20	9047250 20	9047260 20		
25	9047250 25	9047260 25		
30	9047250 30	9047260 30	9047280 30	
35	9047250 35	9047260 35		
40	9047250 40	9047260 40	9047280 40	
45	9047250 45	9047260 45		
50	9047250 50	9047260 50	9047280 50	
55	9047250 55	9047260 55		
60	9047250 60	9047260 60	9047280 60	90472100 60
65	9047250 65	9047260 65		
70	9047250 70	9047260 70	9047280 70	90472100 70
80	9047250 80	9047260 80	9047280 80	90472100 80
90	9047250 90	9047260 90	9047280 90	90472100 90
100	9047250 100	9047260 100	9047280 100	90472100 100
	500 ≥ 40 200 ≥ 60 100	100	100	100
dk	10	12	15	19
k	3	3,6	4,1	4,7
Empr.	TX25	TX25	TX40	TX40





ARTICLE 9047 A2 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9047 A2 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

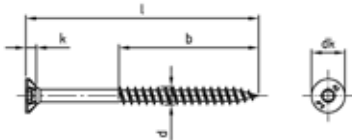
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard
- à partir d'un diamètre de 10, 8 et 6 x 140mm nervures de fraisage sous la tête

FEATURES:

- partial thread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip
- at Diameter 10, 8 and at 6 x 140mm ribs under the head



d	3	3,5	4	4,5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9047230 25/18	9047235 25/18	9047240 25/18	9047245 25/18
30	9047230 30/18	9047235 30/18	9047240 30/18	9047245 30/18
35	9047230 35/24	9047235 35/24	9047240 35/24	9047245 35/24
40	9047230 40/24	9047235 40/24	9047240 40/24	9047245 40/24
45	9047230 45/30	9047235 45/30	9047240 45/30	9047245 45/30
50	9047230 50/30	9047235 50/30	9047240 50/30	9047245 50/30
55			9047240 55/36	9047245 55/36
60			9047240 60/36	9047245 60/36
65			9047240 65/36	9047245 65/42
70			9047240 70/42	9047245 70/42
80			9047240 80/48	9047245 80/48
90				9047245 90/54
100				9047245 100/60
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
220				
225				
240				
260				
280				
300				
320				
325				
340				
350				
360				
375				
400				

	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200
dk	6	7	8	9
k	1,9	2,1	2,5	2,7
Empr.	TX10	TX10	TX20	TX20



ARTICLE 9047 A2 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9047 A2 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

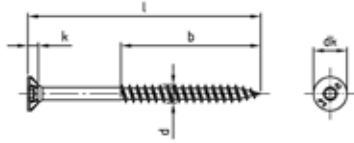
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard
- à partir d'un diamètre de 10, 8 et 6 x 140mm nervures de fraisage sous la tête

FEATURES:

- partial thread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip
- at Diameter 10, 8 and at 6 x 140mm ribs under the head



d	5	6	8	10
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9047250 25/18			
30	9047250 30/20	9047260 30/20		
35	9047250 35/24	9047260 35/24		
40	9047250 40/24	9047260 40/24	9047280 40/32	
45	9047250 45/30	9047260 45/30		
50	9047250 50/30	9047260 50/30	9047280 50/47	
55	9047250 55/36	9047260 55/36		
60	9047250 60/36	9047260 60/36	9047280 60/50	90472100 60/50
65	9047250 65/36	9047260 65/42		
70	9047250 70/42	9047260 70/42	9047280 70/50	90472100 70/55
80	9047250 80/48	9047260 80/48	9047280 80/50	90472100 80/55
90	9047250 90/54	9047260 90/54	9047280 90/60	90472100 90/55
100	9047250 100/60	9047260 100/70	9047280 100/80	90472100 100/55
110	9047250 110/70	9047260 110/70	9047280 110/80	90472100 110/80
120	9047250 120/70	9047260 120/70	9047280 120/80	90472100 120/80
130		9047260 130/70	9047280 130/80	90472100 130/80
140		9047260 140/70	9047280 140/80	90472100 140/80
150		9047260 150/70	9047280 150/80	90472100 150/80
160		9047260 160/70	9047280 160/80	90472100 160/80
170		9047260 170/70	9047280 170/80	90472100 170/80
180		9047260 180/70	9047280 180/80	90472100 180/105
190		9047260 190/70	9047280 190/80	90472100 190/105
200		9047260 200/70	9047280 200/80	90472100 200/105
220		9047260 220/70	9047280 220/80	90472100 220/105
225			9047280 225/80	
240		9047260 240/70	9047280 240/80	90472100 240/105
260		9047260 260/70	9047280 260/80	90472100 260/105
280		9047260 280/70	9047280 280/80	90472100 280/105
300		9047260 300/70	9047280 300/80	90472100 300/105
320				90472100 320/105
325			9047280 325/80	
340				90472100 340/105
350			9047280 350/80	
360			9047280 360/80	90472100 360/105
375			9047280 375/80	90472100 375/105
400			9047280 400/80	90472100 400/105

	500 ≥ 40 200 ≥ 60 100	100	100	100 ≥ 340 50
dk	10	12	15	19
k	3	3,6	4,1	4,7
Empr.	TX25	TX25	TX40	TX40



ARTICLE 9047 A4 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9047 A4 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

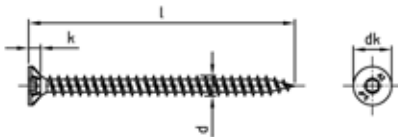
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.


CARACTÉRISTIQUES:

- filetage complet
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobe
- pointe standard

FEATURES:

- fullthread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip



d	3	3,5	4	4,5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9047430 10	9047435 10	9047440 10	
12	9047430 12	9047435 12	9047440 12	9047445 12
16	9047430 16	9047435 16	9047440 16	9047445 16
20	9047430 20	9047435 20	9047440 20	9047445 20
25	9047430 25	9047435 25	9047440 25	9047445 25
30	9047430 30	9047435 30	9047440 30	9047445 30
35	9047430 35	9047435 35	9047440 35	9047445 35
40	9047430 40	9047435 40	9047440 40	9047445 40
45	9047430 45	9047435 45	9047440 45	9047445 45
50	9047430 50	9047435 50	9047440 50	9047445 50
55			9047440 55	9047445 55
60			9047440 60	9047445 60
65			9047440 65	9047445 65
70			9047440 70	9047445 70
80			9047440 80	9047445 80
90				9047445 90
100				9047445 100
	500 ≥ 40 200	200	200	200
dk	6	7	8	9
k	1,9	2,1	2,5	2,7
Empr.	TX10	TX15	TX20	TX20



ARTICLE 9047 A4 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9047 A4 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

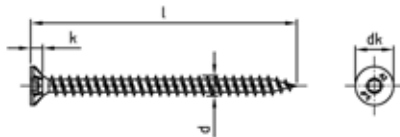
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage complet
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard

FEATURES:

- fullthread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip



d	5	6	8	10
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10				
12				
16	9047450 16			
20	9047450 20	9047460 20		
25	9047450 25	9047460 25		
30	9047450 30	9047460 30	9047480 30	
35	9047450 35	9047460 35		
40	9047450 40	9047460 40	9047480 40	
45	9047450 45	9047460 45		
50	9047450 50	9047460 50	9047480 50	
55	9047450 55	9047460 55		
60	9047450 60	9047460 60	9047480 60	90474100 60
65	9047450 65	9047460 65		
70	9047450 70	9047460 70	9047480 70	90474100 70
80	9047450 80	9047460 80	9047480 80	90474100 80
90	9047450 90	9047460 90	9047480 90	90474100 90
100	9047450 100	9047460 100	9047480 100	90474100 100
	200 ≥ 60 100	100	100	100
dk	10	12	15	19
k	3	3,6	4,1	4,7
Empr.	TX25	TX25	TX40	TX40



ARTICLE 9047 A4 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9047 A4 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

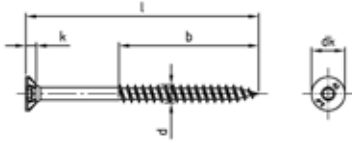
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard
- à partir d'un diamètre de 10, 8 et 6 x 140mm nervures de fraisage sous la tête

FEATURES:

- partial thread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip
- at Diameter 10, 8 and at Diameter 6 x 140mm ribs under the head



d	3	3,5	4	4,5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9047430 25/18	9047435 25/18	9047440 25/18	9047445 25/18
30	9047430 30/18	9047435 30/18	9047440 30/18	9047445 30/18
35	9047430 35/24	9047435 35/24	9047440 35/24	9047445 35/24
40	9047430 40/24	9047435 40/24	9047440 40/24	9047445 40/24
45	9047430 45/30	9047435 45/30	9047440 45/30	9047445 45/30
50	9047430 50/30	9047435 50/30	9047440 50/30	9047445 50/30
55			9047440 55/36	9047445 55/36
60			9047440 60/36	9047445 60/36
65			9047440 65/42	9047445 65/42
70			9047440 70/42	9047445 70/42
80			9047440 80/48	9047445 80/48
90				9047445 90/54
100				9047445 100/60
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
220				
225				
240				
260				
280				
300				
320				
325				
340				
350				
360				
375				
400				
	500 ≥ 40 200	200	200	200
dk	6	7	8	9
k	1,9	2,1	2,5	2,7
Empr.	TX10	TX15	TX20	TX20



ARTICLE 9047 A4 TX VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9047 A4 TX
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie optimal du filetage garantit la meilleure adhérence dans une variété de matériaux en bois. L'empreinte TX permet la transmission optimale de la force de serrage.

USES:

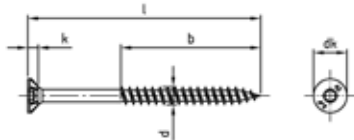
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- pointe standard
- à partir d'un diamètre de 10, 8 et 6 x 140mm nervures de fraisage sous la tête

FEATURES:

- partial thread
- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- standard tip
- at Diameter 10, 8 and at Diameter 6 x 140mm ribs under the head



d	5	6	8	10
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9047450 25/18			
30	9047450 30/20	9047460 30/20		
35	9047450 35/24	9047460 35/24		
40	9047450 40/24	9047460 40/24	9047480 40/32	
45	9047450 45/30	9047460 45/30		
50	9047450 50/30	9047460 50/30	9047480 50/47	
55	9047450 55/36	9047460 55/36		
60	9047450 60/36	9047460 60/36	9047480 60/50	90474100 60/50
65	9047450 65/42	9047460 65/42		
70	9047450 70/42	9047460 70/42	9047480 70/50	90474100 70/55
80	9047450 80/48	9047460 80/48	9047480 80/50	90474100 80/55
90	9047450 90/54	9047460 90/54	9047480 90/60	90474100 90/55
100	9047450 100/60	9047460 100/70	9047480 100/80	90474100 100/55
110	9047450 110/70	9047460 110/70	9047480 110/80	90474100 110/80
120	9047450 120/70	9047460 120/70	9047480 120/80	90474100 120/80
130		9047460 130/70	9047480 130/80	90474100 130/80
140		9047460 140/70	9047480 140/80	90474100 140/80
150		9047460 150/70	9047480 150/80	90474100 150/80
160		9047460 160/70	9047480 160/80	90474100 160/80
170		9047460 170/70	9047480 170/80	90474100 170/80
180		9047460 180/70	9047480 180/80	90474100 180/105
190		9047460 190/70	9047480 190/80	90474100 190/105
200		9047460 200/70	9047480 200/80	90474100 200/105
220		9047460 220/70	9047480 220/80	90474100 220/105
225			9047480 225/80	
240		9047460 240/70	9047480 240/80	90474100 240/105
260		9047460 260/70	9047480 260/80	90474100 260/105
280		9047460 280/70	9047480 280/80	90474100 280/105
300		9047460 300/70	9047480 300/80	90474100 300/105
320				90474100 320/105
325			9047480 325/80	
340				90474100 340/105
350			9047480 350/80	
360			9047480 360/80	90474100 360/105
375			9047480 375/80	90474100 375/105
400			9047480 400/80	90474100 400/105

	200 ≥ 60 100	100	100	100 ≥ 340 50
dk	10	12	15	19
k	3	3,6	4,1	4,7
Empr.	TX25	TX25	TX40	TX40



ARTICLE 9147 1.4006 TX VIS À BOIS TF POUR AGGLO. NERVURES DE FRAISAGE, POINTE CUT

ITEM 9147 1.4006 TX
DOUBLE CSK HEAD TIMBER SCREWS WITH RIBS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

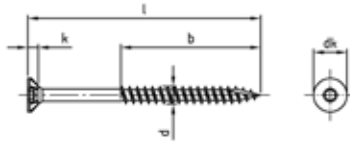
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobe
- Pointe Cut
- nervures de fraisage sous la tête

FEATURES:

- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- CUT tip
- ribs under the head



d	3	3,5	4	4,5	5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
12	9147400630 12	9147400635 12	9147400640 12	9147400645 12	
16	9147400630 16	9147400635 16	9147400640 16	9147400645 16	9147400650 16
20	9147400630 20	9147400635 20	9147400640 20	9147400645 20	9147400650 20
25	9147400630 25/18	9147400635 25/18	9147400640 25/18	9147400645 25/18	9147400650 25/18
30	9147400630 30/18	9147400635 30/18	9147400640 30/18	9147400645 30/18	9147400650 30/20
35	9147400630 35/24	9147400635 35/24	9147400640 35/24	9147400645 35/24	9147400650 35/24
40	9147400630 40/24	9147400635 40/24	9147400640 40/24	9147400645 40/24	9147400650 40/24
45	9147400630 45/30	9147400635 45/30	9147400640 45/30	9147400645 45/30	9147400650 45/30
50	9147400630 50/30	9147400635 50/30	9147400640 50/30	9147400645 50/30	9147400650 50/30
55			9147400640 55/36	9147400645 55/36	9147400650 55/36
60			9147400640 60/36	9147400645 60/36	9147400650 60/36
65			9147400640 65/36	9147400645 65/36	9147400650 65/36
70			9147400640 70/42	9147400645 70/42	9147400650 70/42
80			9147400640 80/48	9147400645 80/48	9147400650 80/48
90				9147400645 90/54	9147400650 90/54
100				9147400645 100/60	9147400650 100/60
110					
120					9147400650 120/70
130					
140					
150					
160					
170					
180					
190					
200					
220					
225					
240					
260					
280					
300					
320					
325					
340					
350					
360					
375					
400					

	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200 ≥ 60 100
dk	6	7	8	9	10
k	1,9	2,1	2,5	2,7	3
Empr.	TX10	TX10	TX20	TX20	TX25



ARTICLE 9147 1.4006 TX VIS À BOIS TF POUR AGGLO. NERVURES DE FRAISAGE, POINTE CUT

ITEM 9147 1.4006 TX
DOUBLE CSK HEAD TIMBER SCREWS WITH RIBS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

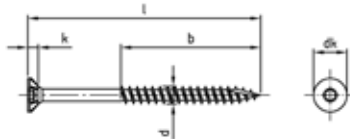
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobe
- Pointe Cut
- nervures de fraisage sous la tête

FEATURES:

- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- CUT tip
- ribs under the head



d	6	8	10
l/mm	<i>Art. Nr. / Item no.</i>	<i>Art. Nr. / Item no.</i>	<i>Art. Nr. / Item no.</i>
12			
16			
20	9147400660 20		
25	9147400660 25		
30	9147400660 30/20	9147400680 30	
35	9147400660 35/24		
40	9147400660 40/24	9147400680 40	
45	9147400660 45/30		
50	9147400660 50/30	9147400680 50	
55	9147400660 55/36		
60	9147400660 60/36	9147400680 60	91474006100 60/50
65	9147400660 65/36		
70	9147400660 70/42	9147400680 70/50	91474006100 70/55
80	9147400660 80/48	9147400680 80/50	91474006100 80/55
90	9147400660 90/54	9147400680 90/60	91474006100 90/55
100	9147400660 100/70	9147400680 100/80	91474006100 100/55
110	9147400660 110/70	9147400680 110/80	91474006100 110/80
120	9147400660 120/70	9147400680 120/80	91474006100 120/80
130	9147400660 130/70	9147400680 130/80	91474006100 130/80
140	9147400660 140/70	9147400680 140/80	91474006100 140/80
150	9147400660 150/70	9147400680 150/80	91474006100 150/80
160	9147400660 160/70	9147400680 160/80	91474006100 160/80
170	9147400660 170/70	9147400680 170/80	91474006100 170/80
180	9147400660 180/70	9147400680 180/80	91474006100 180/105
190	9147400660 190/70	9147400680 190/80	91474006100 190/105
200	9147400660 200/70	9147400680 200/80	91474006100 200/105
220	9147400660 220/70	9147400680 220/80	91474006100 220/105
225		9147400680 225/80	
240	9147400660 240/70	9147400680 240/80	91474006100 240/105
260	9147400660 260/70	9147400680 260/80	91474006100 260/105
280	9147400660 280/70	9147400680 280/80	91474006100 280/105
300	9147400660 300/70	9147400680 300/80	91474006100 300/105
320			91474006100 320/105
325		9147400680 325/80	
340			91474006100 340/105
350		9147400680 350/80	
360		9147400680 360/80	91474006100 360/105
375			91474006100 375/105
400		9147400680 400/80	91474006100 400/105

	100	100	100 >= 340 50
dk	12	15	19
k	3,6	4,1	4,7
Empr.	TX25	TX40	TX40



ARTICLE 9147 A2 TX VIS À BOIS TF POUR AGGLO. NERVURES DE FRAISAGE, POINTE CUT

ITEM 9147 A2 TX
DOUBLE CSK HEAD TIMBER SCREWS WITH RIBS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

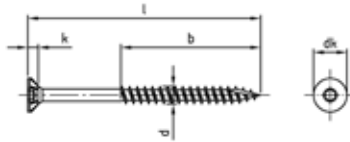
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- Pointe Cut
- nervures de fraisage sous la tête

FEATURES:

- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- CUT tip
- ribs under the head



d	3	3,5	4	4,5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
12	9147230 12	9147235 12	9147240 12	9147245 12
16	9147230 16	9147235 16	9147240 16	9147245 16
20	9147230 20	9147235 20	9147240 20	9147245 20
25	9147230 25/18	9147235 25/18	9147240 25/18	9147245 25/18
30	9147230 30/18	9147235 30/18	9147240 30/18	9147245 30/18
35	9147230 35/24	9147235 35/24	9147240 35/24	9147245 35/24
40	9147230 40/24	9147235 40/24	9147240 40/24	9147245 40/24
45	9147230 45/30	9147235 45/30	9147240 45/30	9147245 45/30
50	9147230 50/30	9147235 50/30	9147240 50/30	9147245 50/30
55			9147240 55/36	9147245 55/36
60			9147240 60/36	9147245 60/36
65			9147240 65/36	9147245 65/36
70			9147240 70/42	9147245 70/42
80			9147240 80/48	9147245 80/48
90				9147245 90/54
100				9147245 100/60
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
220				
225				
240				
260				
280				
300				
320				
325				
340				
350				
360				
375				
400				

	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200
dk	6	7	8	9
k	1,9	2,1	2,5	2,7
Empr.	TX10	TX10	TX20	TX20



ARTICLE 9147 A2 TX VIS À BOIS TF POUR AGGLO. NERVURES DE FRAISAGE, POINTE CUT

ITEM 9147 A2 TX
DOUBLE CSK HEAD TIMBER SCREWS WITH RIBS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

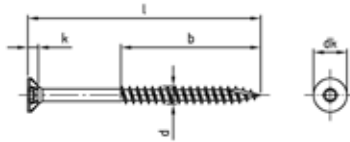
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- Pointe Cut
- nervures de fraisage sous la tête

FEATURES:

- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- CUT tip
- ribs under the head



d	5	6	8	10
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
12				
16	9147250 16			
20	9147250 20	9147260 20		
25	9147250 25/18	9147260 25		
30	9147250 30/20	9147260 30/20	9147280 30	
35	9147250 35/24	9147260 35/24		
40	9147250 40/24	9147260 40/24	9147280 40	
45	9147250 45/30	9147260 45/30		
50	9147250 50/30	9147260 50/30	9147280 50	
55	9147250 55/36	9147260 55/36		
60	9147250 60/36	9147260 60/36	9147280 60	91472100 60/50
65	9147250 65/36	9147260 65/36		
70	9147250 70/42	9147260 70/42	9147280 70/50	91472100 70/55
80	9147250 80/48	9147260 80/48	9147280 80/50	91472100 80/55
90	9147250 90/54	9147260 90/54	9147280 90/60	91472100 90/55
100	9147250 100/60	9147260 100/70	9147280 100/80	91472100 100/55
110		9147260 110/70	9147280 110/80	91472100 110/80
120	9147250 120/70	9147260 120/70	9147280 120/80	91472100 120/80
130		9147260 130/70	9147280 130/80	91472100 130/80
140		9147260 140/70	9147280 140/80	91472100 140/80
150		9147260 150/70	9147280 150/80	91472100 150/80
160		9147260 160/70	9147280 160/80	91472100 160/80
170		9147260 170/70	9147280 170/80	91472100 170/80
180		9147260 180/70	9147280 180/80	91472100 180/105
190		9147260 190/70	9147280 190/80	91472100 190/105
200		9147260 200/70	9147280 200/80	91472100 200/105
220		9147260 220/70	9147280 220/80	91472100 220/105
225			9147280 225/80	
240		9147260 240/70	9147280 240/80	91472100 240/105
260		9147260 260/70	9147280 260/80	91472100 260/105
280		9147260 280/70	9147280 280/80	91472100 280/105
300		9147260 300/70	9147280 300/80	91472100 300/105
320				91472100 320/105
325			9147280 325/80	
340				91472100 340/105
350			9147280 350/80	
360			9147280 360/80	91472100 360/105
375				91472100 375/105
400			9147280 400/80	91472100 400/105

	500 ≥ 40 200 ≥ 60 100	100	100	100 ≥ 340 50
dk	10	12	15	19
k	3	3,6	4,1	4,7
Empr.	TX25	TX25	TX40	TX40



ARTICLE 9147 A4 TX VIS À BOIS TF POUR AGGLO. NERVURES DE FRAISAGE, POINTE CUT

ITEM 9147 A4 TX
DOUBLE CSK HEAD TIMBER SCREWS WITH RIBS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

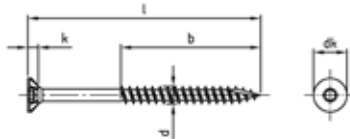
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- Pointe Cut
- nervures de fraisage sous la tête

FEATURES:

- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- CUT tip
- ribs under the head



d	3	3,5	4	4,5
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
12	9147430 12	9147435 12	9147440 12	9147445 12
16	9147430 16	9147435 16	9147440 16	9147445 16
20	9147430 20	9147435 20	9147440 20	9147445 20
25	9147430 25/18	9147435 25/18	9147440 25/18	9147445 25/18
30	9147430 30/18	9147435 30/18	9147440 30/18	9147445 30/18
35	9147430 35/24	9147435 35/24	9147440 35/24	9147445 35/24
40	9147430 40/24	9147435 40/24	9147440 40/24	9147445 40/24
45	9147430 45/30	9147435 45/30	9147440 45/30	9147445 45/30
50	9147430 50/30	9147435 50/30	9147440 50/30	9147445 50/30
55			9147440 55/36	9147445 55/36
60			9147440 60/36	9147445 60/36
65			9147440 65/36	9147445 65/36
70			9147440 70/42	9147445 70/42
80			9147440 80/48	9147445 80/48
90				9147445 90/54
100				9147445 100/60
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
220				
225				
240				
260				
280				
300				
320				
325				
340				
350				
360				
375				
400				

	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200
dk	6	7	8	9
k	1,9	2,1	2,5	2,7
Empr.	TX10	TX10	TX20	TX20



ARTICLE 9147 A4 TX VIS À BOIS TF POUR AGGLO. NERVURES DE FRAISAGE, POINTE CUT

ITEM 9147 A4 TX
DOUBLE CSK HEAD TIMBER SCREWS WITH RIBS, CUTTING POINT

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois. En enregistrant transmission optimale de la puissance TX est atteint.

USES:

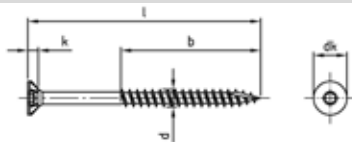
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials. By recording TX optimum power transmission is achieved.

CARACTÉRISTIQUES:

- tête fraisée 90°
- renforcée au dessous de la tête
- TX entraînement à six lobes
- Pointe Cut
- nervures de fraisage sous la tête

FEATURES:

- countersunk 90°
- double countersunk head
- TX inner multi-tooth
- CUT tip
- ribs under the head



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d	5	6	8	10
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
12				
16	9147450 16			
20	9147450 20	9147460 20		
25	9147450 25/18	9147460 25		
30	9147450 30/20	9147460 30/20	9147480 30	
35	9147450 35/24	9147460 35/24		
40	9147450 40/24	9147460 40/24	9147480 40	
45	9147450 45/30	9147460 45/30		
50	9147450 50/30	9147460 50/30	9147480 50	
55	9147450 55/36	9147460 55/36		
60	9147450 60/36	9147460 60/36	9147480 60	91474100 60/50
65	9147450 65/36	9147460 65/36		
70	9147450 70/42	9147460 70/42	9147480 70/50	91474100 70/55
80	9147450 80/48	9147460 80/48	9147480 80/50	91474100 80/55
90	9147450 90/54	9147460 90/54	9147480 90/60	91474100 90/55
100	9147450 100/60	9147460 100/70	9147480 100/80	91474100 100/55
110		9147460 110/70	9147480 110/80	91474100 110/80
120	9147450 120/70	9147460 120/70	9147480 120/80	91474100 120/80
130		9147460 130/70	9147480 130/80	91474100 130/80
140		9147460 140/70	9147480 140/80	91474100 140/80
150		9147460 150/70	9147480 150/80	91474100 150/80
160		9147460 160/70	9147480 160/80	91474100 160/80
170		9147460 170/70	9147480 170/80	91474100 170/80
180		9147460 180/70	9147480 180/80	91474100 180/105
190		9147460 190/70	9147480 190/80	91474100 190/105
200		9147460 200/70	9147480 200/80	91474100 200/105
220		9147460 220/70	9147480 220/80	91474100 220/105
225			9147480 225/80	
240		9147460 240/70	9147480 240/80	91474100 240/105
260		9147460 260/70	9147480 260/80	91474100 260/105
280		9147460 280/70	9147480 280/80	91474100 280/105
300		9147460 300/70	9147480 300/80	91474100 300/105
320				91474100 320/105
325			9147480 325/80	
340				91474100 340/105
350			9147480 350/80	
360			9147480 360/80	91474100 360/105
375				91474100 375/105
400			9147480 400/80	91474100 400/105

	500 ≥ 40 200 ≥ 60 100	100	100	100 ≥ 340 50
dk	10	12	15	19
k	3	3,6	4,1	4,7
Empr.	TX25	TX25	TX40	TX40



ARTICLE 9048 A2 PZ VIS À BOIS À TÊTE RONDE RENFORCÉE, FILETAGE COMPLET

ITEM 9048 A2 PZ
DOUBLE PAN HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

USES:

Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials.

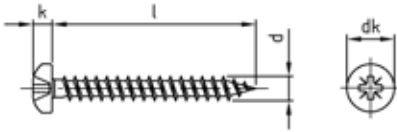
CARACTÉRISTIQUES:

- filetage complet
- tête ronde
- renforcée au dessous de la tête
- PZ Pozidrive
- pointe standard

FEATURES:

- fullthread
- raised pan head
- double pan head
- PZ Pozidrive
- standard tip

d	3	3,5	4	4,5	5	5,5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9048230 10	9048235 10	9048240 10				
12	9048230 12	9048235 12	9048240 12	9048245 12			
16	9048230 16	9048235 16	9048240 16	9048245 16	9048250 16		
20	9048230 20	9048235 20	9048240 20	9048245 20	9048250 20		9048260 20
25	9048230 25	9048235 25	9048240 25	9048245 25	9048250 25		9048260 25
30	9048230 30	9048235 30	9048240 30	9048245 30	9048250 30		9048260 30
35	9048230 35	9048235 35	9048240 35	9048245 35	9048250 35		9048260 35
40	9048230 40	9048235 40	9048240 40	9048245 40	9048250 40		9048260 40
45		9048235 45	9048240 45	9048245 45	9048250 45		9048260 45
50		9048235 50	9048240 50	9048245 50	9048250 50	9048255 50	9048260 50
55			9048240 55	9048245 55	9048250 55		9048260 55
60			9048240 60	9048245 60	9048250 60		9048260 60
65			9048240 65	9048245 65	9048250 65		9048260 65
70			9048240 70	9048245 70	9048250 70		9048260 70
80				9048245 80	9048250 80		9048260 80
90					9048250 90		9048260 90
100					9048250 100		9048260 100
110							9048260 110



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	500	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200 ≥ 60 100	200	100
dk	6	7	8	9	10	10,5	12
k	2,5	2,6	3	3,1	3,7		4,7
Empr.	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3	PZ3



ARTICLE 9048 A2 PZ VIS À BOIS À TÊTE RONDE RENFORCÉE, FILETAGE PARTIEL

ITEM 9048 A2 PZ
DOUBLE PAN HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

USES:


Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials.

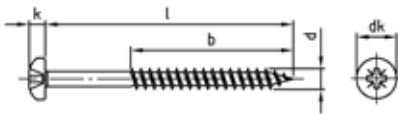
CARACTÉRISTIQUES:

- filetage partiel
- tête ronde
- renforcée au dessous de la tête
- PZ Pozidrive
- pointe standard

FEATURES:

- partial thread
- raised pan head
- double pan head
- PZ Pozidrive
- standard tip

d	6
l/mm	Art. Nr. / Item no.
120	9048260 120/70
130	9048260 130/70
140	9048260 140/70
150	9048260 150/70
160	9048260 160/70
180	9048260 180/70
200	9048260 200/70
	100
dk	12
k	4,7
Empr.	PZ3





ARTICLE 9049 A2 PZ VIS À BOIS À TÊTE FRAISÉE BOMBÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9049 A2 PZ
DOUBLE RAISED COUNTERSUNK HEAD TIMBER SCREWS WITH FULL-
THREAD

APPLICATIONS:

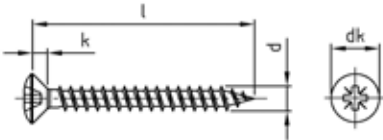
Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

CARACTÉRISTIQUES:

- filetage complet
- tête fraisée bombée
- renforcée au dessous de la tête
- PZ Pozidrive
- pointe standard

FEATURES:

- fullthread
- raised countersunk head
- double raised countersunk head
- PZ Pozidrive
- standard tip



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9049230 10	9049235 10	9049240 10			
12	9049230 12	9049235 12	9049240 12	9049245 12		
16	9049230 16	9049235 16	9049240 16	9049245 16	9049250 16	
20	9049230 20	9049235 20	9049240 20	9049245 20	9049250 20	9049260 20
25	9049230 25	9049235 25	9049240 25	9049245 25	9049250 25	9049260 25
30	9049230 30	9049235 30	9049240 30	9049245 30	9049250 30	9049260 30
35	9049230 35	9049235 35	9049240 35	9049245 35	9049250 35	9049260 35
40	9049230 40	9049235 40	9049240 40	9049245 40	9049250 40	9049260 40
45		9049235 45	9049240 45	9049245 45	9049250 45	9049260 45
50		9049235 50	9049240 50	9049245 50	9049250 50	9049260 50
55			9049240 55	9049245 55	9049250 55	9049260 55
60			9049240 60	9049245 60	9049250 60	9049260 60
65			9049240 65	9049245 65	9049250 65	9049260 65
70			9049240 70	9049245 70	9049250 70	9049260 70
75					9049250 75	
80				9049245 80	9049250 80	9049260 80
90					9049250 90	9049260 90
100					9049250 100	9049260 100

Ø	500	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200 ≥ 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3



ARTICLE 9049 A2 PZ

VIS À BOIS À TÊTE FRAISÉE BOMBÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9049 A2 PZ
DOUBLE RAISED COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:


Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

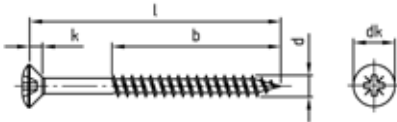
CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée bombée
- renforcée au dessous de la tête
- PZ Pozidrive
- pointe standard

FEATURES:

- partial thread
- raised countersunk head
- double raised countersunk head
- PZ Pozidrive
- standard tip

d	6
l/mm	Art. Nr. / Item no.
110	9049260 110/70
120	9049260 120/70
130	9049260 130/70
140	9049260 140/70
150	9049260 150/70
160	9049260 160/70
180	9049260 180/70
200	9049260 200/70
	100
dk	12
k	3,6
Empr.	PZ3





ARTICLE 9050 A2 PZ VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9050 A2 PZ
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

USES:

Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials.

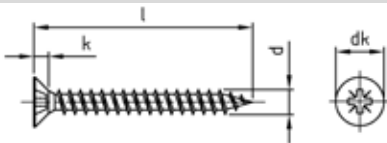
CARACTÉRISTIQUES:

- filetage complet
- tête fraisée
- renforcée au dessous de la tête
- PZ Pozidrive
- pointe standard

FEATURES:

- fullthread
- countersunk head 90°
- double countersunk head
- PZ Pozidrive
- standard tip

d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9050230 10	9050235 10	9050240 10			
12	9050230 12	9050235 12	9050240 12	9050245 12		
16	9050230 16	9050235 16	9050240 16	9050245 16	9050250 16	
20	9050230 20	9050235 20	9050240 20	9050245 20	9050250 20	9050260 20
25	9050230 25	9050235 25	9050240 25	9050245 25	9050250 25	9050260 25
30	9050230 30	9050235 30	9050240 30	9050245 30	9050250 30	9050260 30
35	9050230 35	9050235 35	9050240 35	9050245 35	9050250 35	9050260 35
40	9050230 40	9050235 40	9050240 40	9050245 40	9050250 40	9050260 40
45	9050230 45	9050235 45	9050240 45	9050245 45	9050250 45	9050260 45
50	9050230 50	9050235 50	9050240 50	9050245 50	9050250 50	9050260 50
55			9050240 55	9050245 55	9050250 55	9050260 55
60			9050240 60	9050245 60	9050250 60	9050260 60
65			9050240 65	9050245 65	9050250 65	9050260 65
70			9050240 70	9050245 70	9050250 70	9050260 70
80			9050240 80	9050245 80	9050250 80	9050260 80
90				9050245 90	9050250 90	9050260 90
100				9050245 100	9050250 100	9050260 100



D	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200 ≥ 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3



ARTICLE 9050 A2 PZ VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9050 A2 PZ
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

USES:

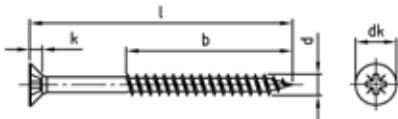
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée
- PZ Pozidrive
- pointe standard
- à partir d'un diamètre de 10, 8 et 6 x 140mm nervures de fraisage sous la tête

FEATURES:

- partial thread
- countersunk head 90°
- PZ Pozidrive
- standard tip
- at Diameter 10, 8 and at 6 x 140mm ribs under the head



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9050230 25/18	9050235 25/18	9050240 25/18	9050245 25/18	9050250 25/18	
30	9050230 30/18	9050235 30/18	9050240 30/18	9050245 30/18	9050250 30/20	9050260 30/20
35	9050230 35/24	9050235 35/24	9050240 35/24	9050245 35/24	9050250 35/24	9050260 35/24
40	9050230 40/24	9050235 40/24	9050240 40/24	9050245 40/24	9050250 40/24	9050260 40/24
45	9050230 45/30	9050235 45/30	9050240 45/30	9050245 45/30	9050250 45/30	9050260 45/30
50	9050230 50/30	9050235 50/30	9050240 50/30	9050245 50/30	9050250 50/30	9050260 50/30
55			9050240 55/36	9050245 55/36	9050250 55/36	9050260 55/36
60			9050240 60/36	9050245 60/36	9050250 60/36	9050260 60/36
65			9050240 65/36	9050245 65/42	9050250 65/36	9050260 65/42
70			9050240 70/42	9050245 70/42	9050250 70/42	9050260 70/42
80			9050240 80/48	9050245 80/48	9050250 80/48	9050260 80/48
90				9050245 90/54	9050250 90/54	9050260 90/54
100				9050245 100/60	9050250 100/60	9050260 100/70
110					9050250 110/70	9050260 110/70
120					9050250 120/70	9050260 120/70
130						9050260 130/70
140						9050260 140/70
150						9050260 150/70
160						9050260 160/70
170						9050260 170/70
180						9050260 180/70
190						9050260 190/70
200						9050260 200/70
220						9050260 220/70
240						9050260 240/70
260						9050260 260/70
280						9050260 280/70
300						9050260 300/70

	500 >= 40 200	500 >= 40 200	500 >= 40 200	500 >= 40 200	500 >= 40 200 >= 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3



ARTICLE 9050 A4 PZ VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE COMPLET

ITEM 9050 A4 PZ
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH FULLTHREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

USES:

Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials.

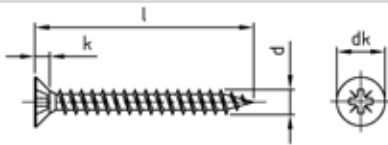
CARACTÉRISTIQUES:

- filetage complet
- tête fraisée
- renforcée au dessous de la tête
- PZ Pozidrive
- pointe standard

FEATURES:

- fullthread
- countersunk head 90°
- double countersunk head
- PZ Pozidrive
- ribs under the head
- standard tip

d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
10	9050430 10	9050435 10	9050440 10			
12	9050430 12	9050435 12	9050440 12	9050445 12		
16	9050430 16	9050435 16	9050440 16	9050445 16	9050450 16	
20	9050430 20	9050435 20	9050440 20	9050445 20	9050450 20	9050460 20
25	9050430 25	9050435 25	9050440 25	9050445 25	9050450 25	9050460 25
30	9050430 30	9050435 30	9050440 30	9050445 30	9050450 30	9050460 30
35	9050430 35	9050435 35	9050440 35	9050445 35	9050450 35	9050460 35
40	9050430 40	9050435 40	9050440 40	9050445 40	9050450 40	9050460 40
45	9050430 45	9050435 45	9050440 45	9050445 45	9050450 45	9050460 45
50	9050430 50	9050435 50	9050440 50	9050445 50	9050450 50	9050460 50
55			9050440 55	9050445 55	9050450 55	9050460 55
60			9050440 60	9050445 60	9050450 60	9050460 60
65			9050440 65	9050445 65	9050450 65	9050460 65
70			9050440 70	9050445 70	9050450 70	9050460 70
80			9050440 80	9050445 80	9050450 80	9050460 80
90				9050445 90	9050450 90	9050460 90
100				9050445 100	9050450 100	9050460 100



D	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200 ≥ 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3





ARTICLE 9050 A4 PZ VIS À BOIS À TÊTE FRAISÉE RENFORCÉE, FILETAGE PARTIEL

ITEM 9050 A4 PZ
DOUBLE COUNTERSUNK HEAD TIMBER SCREWS WITH PARTIAL THREAD

APPLICATIONS:

Idéal pour le vissage dans le bois. La géométrie du filetage optimal garantit la meilleure adhérence dans une variété de matériaux en bois.

USES:

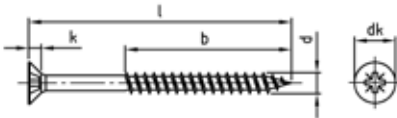
Ideal for screwing in wood. The optimal thread geometry ensures the best grip in a variety of wood materials.

CARACTÉRISTIQUES:

- filetage partiel
- tête fraisée
- PZ Pozidrive
- pointe standard
- à partir d'un diamètre de 10, 8 et 6 x 140mm nervures de fraisage sous la tête

FEATURES:

- partial thread
- countersunk head 90°
- double countersunk head
- PZ Pozidrive
- standard tip
- at Diameter 10, 8 and at 6 x 140mm ribs under the head



d	3	3,5	4	4,5	5	6
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9050430 25/18	9050435 25/18	9050440 25/18	9050445 25/18	9050450 25/18	
30	9050430 30/18	9050435 30/18	9050440 30/18	9050445 30/18	9050450 30/20	9050460 30/20
35	9050430 35/24	9050435 35/24	9050440 35/24	9050445 35/24	9050450 35/24	9050460 35/24
40	9050430 40/24	9050435 40/24	9050440 40/24	9050445 40/24	9050450 40/24	9050460 40/24
45	9050430 45/30	9050435 45/30	9050440 45/30	9050445 45/30	9050450 45/30	9050460 45/30
50	9050430 50/30	9050435 50/30	9050440 50/30	9050445 50/30	9050450 50/30	9050460 50/30
55			9050440 55/36	9050445 55/36	9050450 55/36	9050460 55/36
60			9050440 60/36	9050445 60/36	9050450 60/36	9050460 60/36
65			9050440 65/42	9050445 65/42	9050450 65/36	9050460 65/42
70			9050440 70/42	9050445 70/42	9050450 70/42	9050460 70/42
80			9050440 80/48	9050445 80/48	9050450 80/48	9050460 80/48
90				9050445 90/54	9050450 90/54	9050460 90/54
100				9050445 100/60	9050450 100/60	9050460 100/70
110					9050450 110/70	9050460 110/70
120					9050450 120/70	9050460 120/70
130						9050460 130/70
140						9050460 140/70
150						9050460 150/70
160						9050460 160/70
170						9050460 170/70
180						9050460 180/70
190						9050460 190/70
200						9050460 200/70
220						9050460 220/70
240						9050460 240/70
260						9050460 260/70
280						9050460 280/70
300						9050460 300/70

	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200	500 ≥ 40 200 ≥ 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Empr.	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3



ARTICLE 9250 A2 TX VIS À BOIS À TÊTE PLATE POINTE CUT, FILETAGE PARTIEL

ITEM 9250 A2 TX
PAN WASHER HEAD TIMBER SCREWS WITH CUTTING POINT WITH PAR-
TIAL THREAD

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple solaire, abri de garage, balcons, passerelles, maisons préfabriquées et toutes les constructions portantes.

Une profondeur de vissage de 4 fois le diamètre est requise. Une profondeur de vissage de 8 fois le diamètre serait l'idéal. Une profondeur de plus de 12 fois le diamètre ne doit pas être prise en compte dans les calculs.

USES:

Ideal for Outdoor screw connections such as solar equipment, car ports, balconies, steps, playground equipment, prefabricated houses and all supporting components

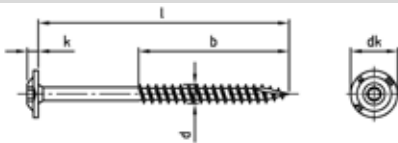
A minimum screw-in depth of 4x the diameter must be ensured. A screw-in depth of 8x the diameter should ideally be achieved. More than 12x the diameter must not be included in calculations.

CARACTÉRISTIQUES:

- filetage partiel
- Vis à bois à tête plate
- Pointe Cut
- revêtement de glissière spéciale
- TX entraînement à six lobes

FEATURES:

- partial thread
- Flat head - timber construction screw
- CUT tip
- Special smooth coating
- TX driving feature



d	5	6	8
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9250250 25/18		
30	9250250 30/20	9250260 30/20	9250280 30
35	9250250 35/24	9250260 35/24	
40	9250250 40/24	9250260 40/24	9250280 40
45	9250250 45/30	9250260 45/30	
50	9250250 50/30	9250260 50/30	9250280 50
55	9250250 55/36	9250260 55/36	
60	9250250 60/36	9250260 60/36	9250280 60/50
65	9250250 65/36	9250260 65/36	
70	9250250 70/42	9250260 70/42	9250280 70/50
80	9250250 80/48	9250260 80/48	9250280 80/72
90	9250250 90/54	9250260 90/54	9250280 90/80
100	9250250 100/60	9250260 100/70	9250280 100/80
110		9250260 110/70	
120	9250250 120/70	9250260 120/70	9250280 120/80
130		9250260 130/70	
140		9250260 140/70	9250280 140/80
150		9250260 150/70	
160		9250260 160/70	9250280 160/80
170		9250260 170/70	
180		9250260 180/70	9250280 180/80
190		9250260 190/70	
200		9250260 200/70	9250280 200/80
220		9250260 220/70	9250280 220/80
225			9250280 225/80
240		9250260 240/70	9250280 240/80
250			9250280 250/80
260		9250260 260/70	9250280 260/80
280		9250260 280/70	9250280 280/80
300		9250260 300/70	9250280 300/80
325			9250280 325/80
350			9250280 350/80
360			9250280 360/80
400			9250280 400/80

	200 ≥ 60 100	100 ≥ 200 50	100 ≥ 120 50
k	3,5	3,8	4,6
dk	14	15	20
Empr.	TX25	TX25	TX40



ARTICLE 9250 A4 TX VIS À BOIS À TÊTE PLATE POINTE CUT, FILETAGE PARTIEL

ITEM 9250 A4 TX
PAN WASHER HEAD TIMBER SCREWS WITH CUTTING POINT WITH PAR-
TIAL THREAD

APPLICATIONS:

Idéale pour les vissages en extérieur, comme par exemple solaire, abri de garage, balcons, passerelles, maisons préfabriquées et toutes les constructions portantes.

Une profondeur de vissage de 4 fois le diamètre est requise. Une profondeur de vissage de 8 fois le diamètre serait l'idéal. Une profondeur de plus de 12 fois le diamètre ne doit pas être prise en compte dans les calculs.

USES:

Ideal for Outdoor screw connections such as solar equipment, car ports, balconies, steps, playground equipment, prefabricated houses and all supporting components

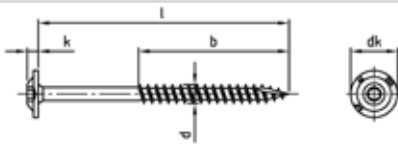
A minimum screw-in depth of 4x the diameter must be ensured. A screw-in depth of 8x the diameter should ideally be achieved. More than 12x the diameter must not be included in calculations.

CARACTÉRISTIQUES:

- filetage partiel
- Vis à bois à tête plate
- Pointe Cut
- revêtement de glissière spéciale
- TX entraînement à six lobes

FEATURES:

- partial thread
- Flat head - timber construction screw
- CUT tip
- Special smooth coating
- TX driving feature



d	5	6	8
l/mm	Art. Nr. / Item no.	Art. Nr. / Item no.	Art. Nr. / Item no.
25	9250450 25/18		
30	9250450 30/20	9250460 30/20	9250480 30
35	9250450 35/24	9250460 35/24	
40	9250450 40/24	9250460 40/24	9250480 40
45	9250450 45/30	9250460 45/30	
50	9250450 50/30	9250460 50/30	9250480 50
55	9250450 55/36	9250460 55/36	
60	9250450 60/36	9250460 60/36	9250480 60/50
65	9250450 65/36	9250460 65/36	
70	9250450 70/42	9250460 70/42	9250480 70/50
80	9250450 80/48	9250460 80/48	9250480 80/72
90	9250450 90/54	9250460 90/54	9250480 90/80
100	9250450 100/60	9250460 100/70	9250480 100/80
110		9250460 110/70	
120	9250450 120/70	9250460 120/70	9250480 120/80
130		9250460 130/70	
140		9250460 140/70	9250480 140/80
150		9250460 150/70	
160		9250460 160/70	9250480 160/80
170		9250460 170/70	
180		9250460 180/70	9250480 180/80
190		9250460 190/70	
200		9250460 200/70	9250480 200/80
220		9250460 220/70	9250480 220/80
225			9250480 225/80
240		9250460 240/70	9250480 240/80
250			9250480 250/80
260		9250460 260/70	9250480 260/80
280		9250460 280/70	9250480 280/80
300		9250460 300/70	9250480 300/80
325			9250480 325/80
350			9250480 350/80
360			9250480 360/80
400			9250480 400/80

	200 ≥ 60 100	100 ≥ 200 50	100 ≥ 120 50
k	3,5	3,8	4,6
dk	14	15	20
Empr.	TX25	TX25	TX40



ARTICLE 9063 A2 VIS DE CHARNIÈRE À BANDE DIAMÈTRE DE TÊTE 5 MM

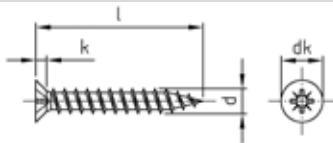
ITEM 9063 A2
HINGE TAPE CHIPBOARDSCREWS WITH HEAD DIAMETER 5 MM

APPLICATIONS:

Idéal pour les vis à bois.

USES:

Idéal for screw connections in the wood area.



d d	l l	k k	dk dk	Empr. Drive size	Référence Item Number	
3	12	1,73	5	PZ1	9063230 12	200
	16	1,73	5	PZ1	9063230 16	200
	20	1,73	5	PZ1	9063230 20	200



ARTICLE 9063 A4 VIS DE CHARNIÈRE À BANDE DIAMÈTRE DE TÊTE 5 MM

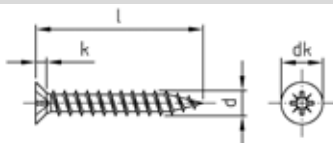
ITEM 9063 A4
HINGE TAPE CHIPBOARDSCREWS WITH HEAD DIAMETER 5 MM

APPLICATIONS:

Idéal pour les vis à bois.

USES:

Idéal for screw connections in the wood area.



d d	l l	k k	dk dk	Empr. Drive size	Référence Item Number	
3	12	1,73	5	PZ1	9063430 12	200
	16	1,73	5	PZ1	9063430 16	200
	20	1,73	5	PZ1	9063430 20	200

VIS À BOIS S+P

WOOD SCREWS AT S + P

Référence <i>Item Number</i>	Désignation II <i>Title II</i>	Matériau <i>material</i>			Forme de la tête <i>Drive</i>						
		A2	A4	Acier inoxydable mart. <i>martensitic Stainless steel</i>	Tête fraisée 90° <i>Seko 90°</i>	Tête fraisée 80° <i>Seko 80°</i>	Tête décorative 90° <i>Zilko 90°</i>	Tête décorative 60° <i>Zilko 60°</i>	Tête plate <i>Flat head</i>	Tête ronde <i>Cross recessed pan head</i>	
9040	Vis à bois à tête fraisée Super-Drill avec pointe de perçage <i>Super-Drill CSK head timber screws, drilling-point</i>	x			x						
9041	Vis de plancher à six lobes <i>Floorboard screws with six lobe drive</i>	x						x			
9042	Vis à tête fraisée Quadra-Speed avec encoche <i>Quadra-Speed CSK head screws with cutting point</i>		x		x						
9043	Vis à terrasse à tête fraisée bombée T-Drill, encoche <i>TBS-Drill, cyl. head terrace screws</i>			x			x				
9044	Vis à bois à tête fraisée SP-Drill avec pointe de perçage <i>SP-Drill CSK head timber screws, drilling-point</i>	x			x						
9142	Vis à terrasse à tête fraisée SK-Drill, encoche <i>SK-Drill CSK head terrace screws, cutting point</i>	x	x			x					
9143	Vis à terrasse à tête fraisée TBS-Drill, encoche <i>TBS-Drill CSK head terrace screws, cutting point</i>	x				x					
9045	Vis à bois à tête ronde <i>Double pan head chipboardscrews</i>	x	x								x
9046	Vis à bois à tête fraisée bombée <i>Double raised countersunk head chipboardscrews</i>	x	x								
9047	Vis à bois à tête fraisée <i>Double countersunk head timber screws with ribs</i>	x	x		x						
904720	Vis à bois à tête plate et encoche <i>Pan washer head timber screws with cutting point</i>	x							x		
904721	Vis pour agglomérés à tête fraisée nervures de fraisage, encoche <i>Double CSK head timber screws, ribs, cutting point</i>	x	x		x						
9048	Vis à bois à tête ronde <i>Double pan head chipboardscrews</i>	x									x
9049	Vis à bois à tête fraisée bombée <i>Double raised countersunk head chipboardscrews</i>	x									
9050	Vis à bois à tête fraisée <i>Double countersunk head chipboardscrews</i>	x	x		x						
9241	Vis à bois à tête décorative avec pointe de perçage et nervures coupantes <i>RSD csk head timber screws, drill-point, peel ribs</i>			x				x			
9242	Vis à bois à tête décorative, encoche <i>RSD countersunk head timber screws, cutting-point</i>			x				x			
9243	Vis à terrasse à tête cyl. TBS-Drill, filetage supplémentaire sous la tête <i>TBS-Drill, cyl. head terrace screws</i>		x	x							
9244	Vis à bois à tête fraisée avec pointe de perçage <i>CSK head timber screws, drilling-point</i>			x	x						
9245	Vis à terrasse à tête cyl. TBS-Drill <i>TBS-Drill, cyl. head terrace screws, cutting-point</i>			x							
9246	Vis à bois à tête fraisée avec pointe de perçage <i>CSK head timber screws, drilling-point, shank ribs</i>			x	x						

			Empreinte <i>Drive</i>		Pointe <i>tip</i>			Filetage / Tige <i>Thread / Shank</i>			Divers <i>Others</i>		Remarque <i>remark</i>
Tête fraisée bombée <i>Cross recessed pan head</i>	Tête cylindrique <i>Cylinder head</i>	Nervures de fraisage <i>ribs</i>	Empreinte TX <i>TX Drive</i>	Empreinte PZ <i>PZ Drive</i>	Pointe de perçage <i>Drill bit</i>	Encoche <i>Cut tip</i>	Pointe fileté standard <i>Standard tip</i>	Filetage partiel <i>Partial thread</i>	Filetage complet <i>Fullthread</i>	Filetage supplémentaire sous la tête <i>thread under the head</i>	Nervures coupantes <i>stripping ribs</i>	Agrément / Marquage <i>Approval / identification</i>	
		x	x		x			x				ETA 11/0283	
		x	x		x			x				CE 14592	
		x	x			x		x				CE 14592	
		x	x			x		x			x	CE 14592	
		x	x		x			x				ETA 11/0283	
		x	x			x		x				CE 14592	
		x	x			x		x		x		CE 14592	
			x				x	x	x			ETA 11/0283	
x			x				x	x	x			ETA 11/0283	
			x				x	x	x			ETA 11/0283	à partir ø 10, 8 et 6 X 140 mm nervures de fraisage sous la tête <i>at Diameter ø 10, 8 and 6 X 140mm ribs under the head</i>
			x			x		x	x			ETA 11/0283	
		x	x			x		x	x			ETA 11/0283	
				x			x	x	x			ETA 11/0283	
x				x			x	x	x			ETA 11/0283	
			x				x	x	x			ETA 11/0283	à partir ø 10, 8 et 6 X 140 mm nervures de fraisage sous la tête <i>at Diameter ø 10, 8 and 6 X 140mm ribs under the head</i>
		x	x		x			x			x	ETA 11/0283	
		x	x			x		x			x	ETA 11/0283	
	x		x				x	x		x		ETA 11/0283	
		x	x		x			x				ETA 11/0283	
	x		x			x		x			x	ETA 11/0283	
		x	x		x			x			x	ETA 11/0283	

Notizen / Notes

Notizen / Notes

Conditions générales de vente de la société Schäfer + Peters France

ARTICLE 1 - GENERALITES

Les présentes conditions générales de vente sont applicables sauf convention particulière aux ventes effectuées tant à l'export qu'en France par la société SCHAEFER + PETERS. L'envoi ou la remise de la commande par le client implique son adhésion entière et sans réserve à ces conditions générales de vente à l'exclusion de tous autres documents tels que prospectus, catalogues émis par la société SCHAEFER + PETERS et qui n'ont qu'une valeur indicative.

Aucune condition particulière modifiant les présentes conditions générales de vente ne peut être acceptée par tout intermédiaire, démarcheur, ou employé quelconque de la société sauf acceptation formelle et écrite de cette dernière.

Toute condition contraire posée par le client sera donc, à défaut d'acceptation expresse, inopposable à la société SCHAEFER + PETERS quel que soit le moment où elle aura pu être portée à sa connaissance.

Le fait que la société SCHAEFER + PETERS ne se prévale pas à un moment donné de l'une quelconque des clauses des présentes conditions générales de vente ne peut être interprété comme valant renonciation à se prévaloir ultérieurement de l'une des quelconques desdites clauses.

ARTICLE 2 - PRIX

Les produits sont fournis au prix en vigueur de la passation de la commande et sont donnés sous réserve de la fluctuation du cours des matières premières et des monnaies pouvant avoir lieu entre la passation de la commande et sa livraison. Les prix indiqués dans toutes propositions sont exprimés en Euros.

Tout impôt, taxe, droit ou autre prestation à payer par application des règlements français, ceux d'un pays importateur ou d'un pays de transit, sont à la charge du client.

ARTICLE 3 - LIVRAISON ET TRANSPORT

En hypothèse, la livraison ne peut intervenir que si le client est à jour de ses obligations envers la société SCHAEFER + PETERS. Elle est à la charge de l'acheteur.

En l'absence d'instructions spéciales du client, la société SCHAEFER + PETERS emploie tous moyens à sa convenance pour l'acheminement des produits, ainsi que de tous intermédiaires et/ou transporteurs divers qui sont réputés d'avance agréés par le client, qui s'engage en conséquence à supporter les frais.

Lorsqu'elles sont réalisées par la société SCHAEFER + PETERS ou à sa demande, les opérations de transport et emballage sont effectuées pour le compte et aux risques du destinataire, auquel il appartient de vérifier les produits à l'arrivée et d'exercer, s'il y a lieu, ses recours contre le transporteur. En particulier, en cas d'avarie ou de manquant, le client devra effectuer les formalités prévues aux articles 103 et suivant le code du commerce.

Les produits voyageant aux risques et périls du client, aucun recours ne pourra être exercé contre la société SCHAEFER + PETERS pour retard, avarie ou tout autre dommage subi par la marchandise pendant les opérations de transport même si les actes nécessaires à la conservation des recours contre lui ont été effectués dans les formes légales.

Sans préjudice des dispositions à prendre vis-à-vis du transporteur, les réclamations sur les vices apparents ou sur la non-conformité du produit livré ou produit commandé ou au bordereau d'expédition, doivent être formulées par écrit dans les trois jours qui suivent la réception des produits.

Le client devra laisser à la société SCHAEFER + PETERS toute facilité pour procéder à la constatation de ces vices et pour y porter remède. Il s'abstiendra d'intervenir lui-même ou de faire intervenir un tiers à cette fin.

Tous les matériels sont réputés pris et agréés dans les locaux de la société SCHAEFER + PETERS. Le transfert des risques sur les matériels a lieu dès l'expédition des magasins du vendeur. Il en résulte notamment que les produits voyagent aux risques et périls du destinataire, même en cas d'expédition franco de port.

Les délais de livraison sont indiqués aussi exactement que possible mais sont fonction de contraintes d'approvisionnement et de l'ordre d'arrivée des commandes. La société SCHAEFER + PETERS décline par avance toute responsabilité au cas où un retard serait apporté à la livraison sur tout ou partie du matériel, pour une cause qui ne lui est pas imputable. Les dépassements de délais de livraison ne peuvent donner lieu à dommages-intérêts, à retenue ni à annulation des commandes en cours.

La société SCHAEFER + PETERS peut procéder à des livraisons partielles de commande.

ARTICLE 4 - FACTURATION ET PAIEMENT

La société SCHAEFER+PETERS se réserve le droit d'exiger pour toute première commande d'un client le paiement par avance et par chèque.

Sous réserve de l'alinéa ci-dessus, le paiement se fait à 45 jours fin de mois le 10. Le paiement comptant des produits à la livraison donnera droit à un escompte de 2%.

En cas de paiement différé ou à terme, constitue un paiement du présent contrat non pas la simple remise d'un effet de commerce ou d'un chèque, impliquant une obligation de payer, mais leur règlement à l'échéance convenue.

En cas de retard de paiement, la société SCHAEFER + PETERS pourra suspendre toutes les commandes en cours et refuser toutes interventions sur toutes machines, même au titre de la garantie prévue à l'article 8 ; sans préjudice de toute autre voie d'action. Toute somme non payée à la date prévue sur la facture, lorsque cette date est égale ou postérieure au délai prévu dans les présentes conditions générales de vente donnera lieu de plein droit et sans mise en demeure préalable au paiement d'une pénalité calculée sur la base du taux d'intérêt légal majoré de moitié. Ces intérêts courront du jour de l'échéance au jour du paiement.

Conformément aux articles 441-6 c. com. et D. 441-5 c. com., tout retard de paiement entraîne de plein droit, outre les pénalités de retard, une obligation pour le débiteur de payer une indemnité forfaitaire de 40 € pour frais de recouvrement.

LE DEFAUT DE PAIEMENT DE TOUT OU PARTIE DE L'UNE QUELCONQUE DES ECHANCES, TOUTE SOMME DUE EN RAISON DE CETTE COMMANDE OU D'AUTRES COMMANDES DEJA LIVREES OU EN COURS DE LIVRAISON, LE NON PAIEMENT D'UN EFFET OU LE DEFAUT DE RETOUR DANS LES 48 HEURES D'UNE TRAITE ADRESSEE POUR ACCEPTAION, RENDRONT IMMEDIATEMENT EXIGIBLE LA DETTE, SANS MISE EN DEMEURE ;

Le client s'interdit d'exercer tout droit de rétention ou d'invoquer toute compensation avec les créances que le client pourrait éventuellement faire valoir à l'encontre de la société

SCHAEFER + PETERS.

Le client renonce expressément à se prévaloir des dispositions de l'article 1290 du Code Civil.

La société SCHAEFER + PETERS se réserve la faculté d'annuler de plein droit les remises, escomptes, ristournes et autres avantages éventuellement accordés en cas de difficultés de paiement, sans que cela préjudicie à la validité des contrats.

Toute détérioration du crédit du client pourra justifier l'exigence de garanties ou de règlement comptant par traite payable à vue, avant exécution des commandes reçues.

ARTICLE 5 - RESERVE DE PROPRIETE

IL EST EXPRESSEMENT CONVENU QUE LE TRANSFERT DE PROPRIETE DU MATERIEL VENDU EST SUBORDONNE AU PAIEMENT INTEGRAL DU PRIX EN PRINCIPAL, INTERETS ET TOUS FRAIS ACCESSOIRES PAR L'ACHETEUR, CONFORMEMENT A LA LOI DU 12 MAI 1980 ET AUX ARTICLES 115 A 122 DE LA LOIS N°85-98 DU 25 JANVIER 1985 ;

EN CAS DE NON-PAIEMENT D'UNE ECHEANCE OU D'UNE SEULE FRACTION DU PRIX LA VENTE SERA RESOLUE DE PLEIN DROIT, SI BON SEMBLE AU VENDEUR, 48 HEURES APRES MISE EN DEMEURE PAR LETTRE RECOMMANDEE AVEC AVIS DE RECEPTION RESTEE INFRUCTUEUSE. SI LES MATERIELS OBJET DE LA RESERVE DE PROPRIETE ONT ETE VENDUS PAR LE CLIENT, LA CREANCE DE LA SOCIETE SCHAEFER + PETERS SERA AUTOMATIQUEMENT TRANSPORTEE SUR LA CREANCE DU PRIX DES PRODUITS VENDUS. LE CLIENT CEDERA DES LORS, TOUTES LES CREANCES QUI NAÎTRAIENT DE LA REVENTE DES PRODUITS IMPAYES SOUS RESERVE DE PROPRIETE. Le vendeur peut unilatéralement faire dresser un inventaire des produits impayés, détenus par l'acheteur.

Nonobstant la réserve de propriété, tous les risques afférents aux matériels livrés sont à la charge du client dès la remise des produits au transporteur ou au client direct.

Tant que le prix n'aura pas été intégralement payé, l'acheteur devra individualiser les produits livrés au titre du présent contrat et ne pas mélanger avec d'autres produits de même nature provenant d'autres fournisseurs. Les produits en stock sont présumés être ceux impayés.

En cas de saisie-revendication, ou toute autre intervention d'un tiers sur les produits, l'acheteur devra informer le vendeur sans délai afin de lui permettre de s'y opposer et de préserver ses droits.

Les comptes resteront acquis au vendeur et seront imputés successivement sur la différence de la valeur vénale de la marchandise reprise, puis sur les autres créances non réglées par le vendeur. Le solde sera attribué à titre d'indemnité.

La différence entre la valeur neuve du matériel repris et sa valeur vénale pourra toujours être réclamée par le vendeur.

ARTICLE 6 - GARANTIE

La responsabilité de SCHAEFER + PETERS est strictement limitée au remplacement pur et simple des pièces reconnues défectueuses par examen contradictoire après retour dans ses magasins et quelle que soit la nature du défaut constaté, y compris en cas de vice caché et ce à l'exclusion de tous dommages-intérêts.

En tout état de cause, aucune garantie ne sera accordée en cas de modification des matériels après leur livraison.

Aucune réclamation pour non-conformité ou vice apparent, quel que soit le motif, ne sera admise après quinze (15) jours à compter de la livraison de la marchandise, et tout retour non autorisé sera refusé.

ARTICLE 7 - FORCE MAJEUR

La société SCHAEFER + PETERS sera dégagée de toute obligation contractuelle de faire ou de livrer sans versement d'indemnité d'aucune sorte, en cas de force majeure résultant notamment des frais énoncés ci-après, même s'ils ne présentent pas le caractère imprévisible, irrésistible ou insurmontable : grève en son sein ou chez ses fournisseurs, destruction total ou partielle pour quelque cause que se soit de ses locaux et installations, décision gouvernementale, française ou étrangère, impossibilité d'être approvisionné, et plus généralement tout événement fortuit d'origine humaine ou naturelle empêchant ou réduisant les possibilités d'exécution des prestations ou des obligations contractuelles de la société SCHAEFER + PETERS.

ARTICLE 8 - RESOLUTION DE PLEIN DROIT

EN CAS D'INEXECUTION DES OBLIGATIONS DU CLIENT, ET CONFORMEMENT A L'ARTICLE 1657 DU CODE CIVIL, LE PRESENT CONTRAT SERA RESOLU DE PLEIN DROIT SANS SOMMATION, ET CE SANS PREJUDICE DE TOUS DOMMAGES INTERETS QUI POURRAIENT ETRE RECLAMES AU CLIENT .

ARTICLE 9 - ATTRIBUTION DE COMPETENCE

TOUTES CONTESTATION RELATIVE A L'INTERPRETATION OU A L'EXECUTION DES PRESENTES ET DE LEUR SUITE SERA SOUMISE AU DROIT FRANÇAIS ET RELÈVERA DE LA COMPETENCE DU TRIBUNAL DE COMMERCE DE VERSAILLES MÊME CAS DE PLURALITES DE DEFENDEURS, D'APPEL EN GARANTIE OU DE DEMANDES INCIDENTES.

LES EFFETS DE COMMERCES OU ACCEPTATION DE REGLEMENTS MÊME DOMICILIES AILLEURS, NE FERONT NI NOVATION, NI DEROGATION A LA PRESENTE CLAUSE.

General terms of supply and payment for Schäfer + Peters GmbH

(hereinafter also named „S+P“, Öhringen, Version 12/2018)

I. Scope of Validity

1. The terms of sale given hereinafter apply to all contracts concluded between Purchaser and S + P concerning the delivery of goods, provided that Purchaser is a company, legal entity under public law or special estate under public law. Contracts are executed exclusively on the basis of the following conditions. The quotation, the quotation acceptance, the order confirmation as well as the sale of any product are subject to these conditions. We shall not recognize any contradictory or deviating conditions of Purchaser, unless we have expressly agreed to apply these conditions. This consent requirement shall always apply, particularly if we carry out Purchaser's order without qualification and in full knowledge of these contradictory or deviating conditions of Purchaser.
2. In the contracts, all agreements that have been made between Purchaser and S + P about the execution of the purchasing contracts up to the time of the respective termination of the contract are documented in writing. The effectiveness of individual agreements made retroactively in individual cases remains unaffected.
3. If S + P and Purchaser have arranged a framework agreement, these General Terms of Sale shall apply both to this framework agreement and to the individual delivery or purchase order.
4. The General Terms of Sale shall also apply to all future business relationships, even if these terms are never agreed on expressly.

II. Offer and Contract Conclusion

1. We can accept an order from Purchaser which is to be qualified as a legally binding offer for the conclusion of a purchasing contract within two weeks by sending an order confirmation or by rendering the ordered deliveries or services without qualification, with the choice being ours.
2. Our quotations are non-binding, unless we have expressly designated them as binding. Information about our goods (particularly technical data, dimensions, performance and consumption data as well as the descriptions in the respective product information or advertising materials, etc.) is only approximate and roughly representative, provided that usability for the contractually intended purpose does not require an exact match; this information does not guarantee the condition, unless this guarantee is made expressly and in writing.
3. We retain our property right, copyright and other protective rights on all figures, calculations, drawings and other documents. Purchaser may only share with third parties, make public, use, allow a third party to use or disseminate these materials to third parties, as such or in their content, with our written consent, regardless of whether we have designated these materials as confidential.
4. Information about current warehouse inventory is always non-binding. If inventory is communicated to the customer, this is considered inventory that is specifically reserved for customer or volume groups and does not need to be identical to the actual inventory.

III. Terms of Payment

1. Our prices apply to the scope of service and delivery indicated in the order confirmations. Additional or special services are billed separately. Prices shall apply ex works in Öhringen, plus packaging, duties, insurance and, in individual cases, additional taxes and duties, if not otherwise specified. The statutory value added tax is not included in our prices. We list this in the invoice separately in the statutory amount on the date the invoice is issued.
2. Unless otherwise agreed, invoices shall be due and payable without deduction within 30 days from the date of invoicing and delivery. We grant a discount of 2% for payments made within 10 days of the date of invoice, unless Purchaser is in default of payment for other payment obligations towards us. Payment is only considered to have occurred once the funds are available to us. In the case of check payments, payment is only considered to have occurred once the check has cleared.
3. If Purchaser does not pay within the defined period, Purchaser shall be in default of payment, without a new payment request needing to be made. In the case of late payment, interest is to be paid on the purchase price at the legally applicable late payment interest rate for business owners. Further claims shall remain unaffected. If Purchaser does not render payment upon further request, we are entitled to make all existing obligations of Purchaser due and payable, in particular also deferred or installment payments, and to deny any further deliveries.
4. Purchaser shall be authorized to offset and/or withhold payment only if the counter-claims have been determined as legally valid, have been recognized by us, are indisputable or if the counter-claims arise from the same specific contractual relationship as the principal claim and are in a mutual relationship with this claim.
5. If S + P has granted installment payments for Purchaser, the remaining amount shall be due and payable in full if Purchaser is in default of payment of an installment by more than 8 days.
6. Price changes are permitted if more than 4 months have passed between the contract conclusion and the agreed delivery date and if the price change can be traced back to a recent cost increase for which we are not liable. A cost increase has occurred if wages, material costs or sales costs increase before delivery. The same applies if duties increase or a duty is introduced, or cost changes result due to price increases of upstream suppliers or due to exchange rate fluctuations. In these cases, S + P is authorized to increase the price appropriately in accordance with the cost increases.

IV. Delivery and Service Period, Liability in Case of Late Delivery

1. Delivery dates or deadlines that are not agreed upon or promised by us expressly as binding are exclusively non-binding specifications. They shall only be considered approximations and describe a likely delivery date. Agreements or promises about a binding delivery date deviating from this must be made expressly and in writing. The delivery period only begins when Purchaser has properly and completely performed those cooperation activities that are obligatory on its part.
2. If we do not receive deliveries or services from our suppliers or subcontractors, or do not receive correct or timely deliveries or services for reasons for which we are not responsible despite proper coverage, or if an event of force majeure occurs, we will inform our customer in writing in a timely manner. In this case, we are authorized to extend the delivery or service period by the duration of the temporary hindrance or, in the case of a significant hindrance whose duration is not temporary, to withdraw from the part of the contract that has not yet been fulfilled, entirely or in part, if we have performed the above obligation of notification and have not assumed the procurement risk or production risk. Force majeure includes any other unforeseeable event upon contract conclusion, such as legal strikes or lockouts, government interventions, energy and resource shortages, transport bottlenecks or operational disturbances through no fault of our own, such as those due to fire, water and machine damage, and all other hindrances for which we objectively cannot be held responsible. If the delivery or service is delayed by more than one month as a result of one of the cases named above in Clauses 1 and 3, both we and the customer – regardless of the deadline requirement for the customer and excluding any claims for damages – are authorized to withdraw from the contract with regard to the volume affected by the delivery disturbances. The customer is authorized to withdraw from the entire contract if a partial delivery is unacceptable for the customer.
3. In any case, we shall enter into default of delivery only after an appropriate grace

period set by the customer has passed, unless time is of the essence for the transaction as defined by § 286 Par. 2 No. 4 of the German Civil Code (BGB) or § 376 of the German Commercial Code (HGB).

4. Our legal rights, particularly in the case of an exclusion of the duty to perform (e.g. due to impossibility or unreasonableness of performance and/or supplementary performance), remain unaffected. Claims for damages due to delayed delivery are excluded, provided that they are not based on any intentional or grossly negligent actions on our part or on the part of our subcontractors, or based on the culpable violation of essential contractual duties. Essential contractual duties are any that protect the essential legal positions of the customer, the guarantee of which is the very essence and purpose of the contract; these also include those contractual duties whose performance enables the proper completion of the contract in the first place and those whose observance the contract partner frequently trusts and may reasonably trust.

The exclusion of liability does not apply to damages caused by injury to life, limb and health or damages affecting warranties.

In the case of a simple negligent violation of an essential contractual duty, however, we shall only accept liability for typical, immediate, average damage foreseeable at the time that the contract was concluded.

5. We are only authorized to perform partial deliveries and partial services if:

- the partial delivery or partial service is usable for the customer as part of the intended purpose of the contract,
- the delivery of the remaining ordered goods or the rendering of the remaining commissioned services is ensured, and
- this does not cause any significant added outlay or extra costs for the customer (unless we have agreed to accept these costs).

6. If Purchaser is in default of acceptance, we are then entitled to demand compensation for accrued damages and any extra expenses. The same applies if Purchaser culpably violates its cooperation duties.

V. Place of Fulfillment, Transfer of Risk, Shipping, Packaging

1. In the absence of a deviating agreement, the place of fulfillment shall be our headquarters in Öhringen. This shall also apply in the case of supplementary performance.

2. The risk of accidental loss and accidental deterioration of the goods shall transfer to Purchaser upon handover at the latest. In the case of sales shipment, however, the risk of accidental destruction and accidental deterioration of the goods as well as the risk of delay passes to the shipper, freight carrier or other person or institution assigned to complete the shipment upon handover of the goods for shipment. Handover is still considered to have taken place if Purchaser is in default of acceptance.

3. With regard to the shipment method and shipping route, we will try to take into consideration the wishes and interests of Purchaser; added costs caused by this – even in the case of agreed free delivery – shall be borne by Purchaser.

4. With the exception of transport packaging, we do not take back packaging pursuant to § 15, Par. 1, page 1 of the Packaging Act. Purchaser shall take care of disposal of the packaging, which becomes its property, at Purchaser's own expense. We would like to make our customers aware of the fact that they may be obligated to participate in a dual system as regards the packaging purchased from us as well as be subject to mandatory registration.

5. If the shipping is delayed on the request of or due to fault of Purchaser, we shall store the goods at Purchaser's risk and expense. In this case, the notice of readiness to ship shall be deemed equivalent to shipment.

6. On request and at the expense of Purchaser, we will insure the delivery using transport insurance. This requires an instruction from Purchaser given expressly and in writing.

VI. Warranty/Limitation of Liability/Compensation for Wasted Expenditures

1. There shall only be claims for defects from Purchaser if Purchaser has properly fulfilled its legally required examination and notification duties, particularly in accordance with § 377 HGB. Regardless of the legal requirements for proper examination, Purchaser shall at least examine the supplied goods after delivery at its location or that of a third party designated by Purchaser carefully and in a reasonable scope – if applicable, through random checks – for dimensional accuracy, material, weight and surface condition. Defects that are revealed in this way shall be indicated to us in writing within one week after receipt of goods. If this does not occur, the goods shall be considered accepted. Hidden defects shall be communicated to S + P immediately after their discovery in writing. A proper notification of a defect shall indicate the willingness of Purchaser to send back the rejected delivered goods on the request of S + P with freight prepaid. In the case of a justified notification of a defect, S + P shall compensate Purchaser for the cost of the most economical shipping route; this shall not apply if costs increase because the delivered goods are located somewhere other than the place of intended use.

2. The legal regulations apply to the rights of Purchaser in the case of quality defects and defects of title (including incorrect and under delivery as well as improper assembly or defective assembly instructions), if not otherwise specified in preceding or following provisions.

3. Independent of preceding and following provisions, the legal regulations shall apply in the following cases:

- Intentional actions on our part
- Damage due to injury to life, limb and health
- Claims in accordance with product liability law
- If warranties taken over by us are excluded by deviating provisions

4. Otherwise, the following aspects apply to the rights of Purchaser in the case of quality defects and defects of title:

- a) Liability for compensation for damages and compensation for wasted expenditures
Claims for damages due to defects of title and quality defects are excluded, provided that they are not

- Based on grossly negligent actions on our part or on the part of our subcontractors, or
- Based on the culpable violation of essential contractual duties Essential contractual duties are any that protect the essential legal positions of the customer, the guarantee of which is the very essence and purpose of the contract; these also include those contractual duties whose performance enables the proper completion of the contract in the first place and those whose observance the contract partner frequently trusts and may reasonably trust.

In the case of a simple negligent violation of an essential contractual duty, we shall only accept liability for immediate, average damage foreseeable at the time that the contract was concluded and typical of contracts of this type.

Claims for compensation for wasted expenditures in accordance with § 284 BGB shall be waived if and insofar as, as stated previously, a claim for compensation for damages in place of performance has been effectively disclaimed.

- b) Supplementary performance

- If Purchaser has already installed the goods delivered by S + P into another object or attached them to another object at its location, Purchaser must offer us the opportunity to remove the goods ourselves and reinstall or reattach improved or additional goods ourselves, provided that this is reasonable for Purchaser, for the purposes of supplementary performance, and to define an appropriate period for this. This shall apply regardless of

whether we were originally obligated to install or assemble goods in addition to their delivery; using this approach, the installation or assembly of delivered goods does not become part of supplementary performance.

- If Purchaser has already resold the goods delivered by S + P, Purchaser shall set a prior and appropriate period for S + P for supplementary performance if Purchaser has to take back the goods from its customer as a result of the defect or if Purchaser's customer has reduced the purchase price.

- Our right to refuse supplementary performance in accordance with the legal requirements remains unaffected.

c) Compensation for expenses for supplementary performance

- Purchaser is only entitled to demand compensation from S + P for expenses that become necessary for the removal and reinstallation or the removal and reattachment of the object by Purchaser at its location for the purposes of supplementary performance in accordance with other legal requirements if the appropriate period for this defined by Purchaser has expired unsuccessfully.

- If, in the case of resale by Purchaser, the object delivered by S + P needed to be removed and reinstalled or removed and reattached at the location of a direct customer of Purchaser or a different customer in the supply chain for the purposes of supplementary performance, S + P is not obligated to compensate Purchaser for the expenses that arise from this.

- If it is revealed that the request for rectification from Purchaser is unjustified, S + P can demand compensation from Purchaser for the arising costs (particularly testing, installation, removal and transport costs), unless the lack of defect was not able to be determined by Purchaser.

The aspects listed above under lit. b) and c) shall not apply in the case of a delivery of newly produced goods by S + P sold at the end of the supply chain in unprocessed form by a business owner to a consumer, even if the latter has processed it further (claims from § 478 BGB - Recourse of the entrepreneur). Particularly, further processing in the terms of this provision has occurred if the goods are installed into another product.

5. In case of delivery of newly produced goods by S + P that are sold at the end of the supply chain in unprocessed form by a business owner to a consumer, even if the latter has further processed it, the following additional aspects apply to the rights of Purchaser:

- Claims of Purchaser based on § 478 BGB are excluded, provided that they involve a defect based on advertising statements or other contractual agreements not originating from S + P, or if Purchaser, its immediate customer or another customer in the supply chain has provided a special guarantee to the end user.

- Claims are also excluded if Purchaser itself, its immediate customer or another customer in the supply chain was not obligated to exercise warranty rights toward the end user in accordance with legal regulations or if Purchaser has not objected to a claim asserted against it. This also applies if Purchaser, its immediate customer or another customer in the supply chain has taken over warranties vis-a-vis the end user that exceed the legal requirements.

- The claims of Purchaser based on § 478 BGB are excluded as a whole if Purchaser has not properly fulfilled its legally required examination and notification duties in accordance with the detailed specifications of Section VI No. 1.

VII. Other Liability

Claims for damages due to a violation of a non-contractual duty (liability based on tort) or due to fault during or before the conclusion of the contract (culpa in contrahendo) as well as any other legal basis, particularly the violation of general duties arising from an obligation (§ 241 Par. 2 BGB) or other contractual duties (§ 280 Par. 1 BGB), provided that this does not involve warranty claims, are excluded, provided that they are not based on intentional or grossly negligent actions on our part or on the part of our subcontractors or based on culpable violation of essential contractual duties.

The exclusion of liability does not apply to damages caused by injury to life, limb and health or damages affecting warranties and claims in accordance with product liability law.

In the case of a simple negligent violation of an essential contractual duty, however, we shall only accept liability for typical, immediate, average damage foreseeable at the time that the contract was concluded.

VIII. Limitation

1. Deviating from § 438 Par. 1 No. 3 BGB, the general limitation period for claims due to quality defects and defects of title, including the claim for reimbursement for expenses in the supply chain in accordance with § 445a Par. 1, Par. 3 BGB, is one year from delivery. If an acceptance has been agreed, the limitation begins upon acceptance.

2. However, if the goods constitute a building or an object that has been used as a building in accordance with the typical way it is used and has resulted in its defectiveness (building material), the limitation period is 5 years from delivery in accordance with the legal regulation (§ 438 Par. 1 No. 2 BGB). Other legal special provisions on limitation remain unaffected (particularly § 438 Par. 1 No. 1, Par. 3, §§ 444, 445b BGB).

3. Deviating from § 445b Par. 2 S. 2 BGB, in the case of resale of the goods delivered by S + P by Purchaser, the suspension of expiration regarding the limitation of defect claims from Purchaser toward S + P ends three years after delivery of the goods.

4. The present limitation periods from the sale of goods law shall also apply to contractual and non-contractual claims for damages from Purchaser based on a defect of the goods, unless the application of the regular legal limitation (§§ 195, 199 BGB) would lead to a shorter limitation in this individual case. However, claims for damages from Purchaser due to willful intent, gross negligence, injury to life, limb and health as well as warranties or product liability law expire by limitation only after the legal limitation periods. The shortening of the limitation period or the suspension of expiration shall also not apply if the matter involves the delivery of goods by S + P that are sold at the end of the supply chain in an unprocessed state by a business owner to a consumer (Recourse of the entrepreneur – §§ 478, 479 BGB).

IX. Retention of Title

1. The goods delivered by us shall remain our property up to the fulfillment of all existing claims or claims arising in future owed to us on any legal basis from the ongoing business relationship and/or specific purchasing contract with Purchaser. In the case of Purchaser behavior that is contrary to the contract (e.g. payment default), we have the right to take back the reserved goods after first setting an appropriate period. If we take back the reserved goods, this represents a withdrawal from the contract. If we seize the reserved goods, this is a withdrawal from the contract. We are authorized to utilize the reserved goods after taking them back. After withdrawing an appropriate amount for the utilization costs, the proceeds of utilization shall offset the amounts owed to us by Purchaser.

2. Purchaser shall treat the reserved goods with care and insure them against damage due to fire, water and theft sufficiently at original value at its own expense. The maintenance and inspection work that is required shall be performed by Purchaser at its own expense in a timely manner. Furthermore, upon request by S + P, Purchaser is obligated at any time to notify us about the state of the goods and communicate the storage place of the goods.

3. Purchaser is authorized to dispose of or use the reserved goods in the normal course of business, provided that Purchaser is not in default of payment. Pledges or assignments as security are not permitted. Purchaser shall assign claims arising from resale or another legal basis (insurance, tort) regarding the reserved goods (including all current account balance claims) to us in full scope as security; this statement constitutes our acceptance of the assignment. We revocably authorize Purchaser to collect claims assigned to us for Purchaser's account and in its own name. This collection authorization can be revoked at any time if Purchaser does not properly fulfill its payment obligations. Purchaser shall also not be authorized to assign this claim for the purposes of debt collection by way of factoring, unless the obligation of the factor is simultaneously established to effect the consideration in the amount of the debts directly to us for as long as we still have claims against Purchaser. Purchaser is furthermore obligated to notify us immediately of any seizure or other interference by a third party.

4. Any transformation of the reserved goods by Purchaser is always carried out on our behalf. If the reserved goods are processed with other items which do not belong to us, we shall acquire co-ownership of the new item in proportion to the value of the reserved goods (total invoice amount including value-added tax) to the other processed items at the time of the processing. In the case of inseparable combination of the reserved goods with other items that do not belong to us, we shall acquire co-ownership of the new item in proportion to the value of the reserved goods (total invoice amount including value-added tax) to the other combined items at the time of the combination. If Purchaser's item is to be considered the main item as a result of combination, we and Purchaser agree that Purchaser shall transfer co-ownership of this item to us on a proportional basis; this statement constitutes our acceptance of this transfer. Our sole or co-ownership of an item arising from this shall be kept for us by Purchaser. The same applies to the new item created through processing or transformation as to the reserved goods, but with the limitation that Purchaser shall only assign claims of third parties to us in the amount that we have acquired through co-ownership according to the previous statement.

5. In case of access of third parties to the reserved goods, particularly seizures, Purchaser shall indicate our property to the third parties and immediately notify us so that we may assert our property rights. If the third party is not able to reimburse us for the legal or out-of-court costs arising in this context, Purchaser shall be liable for this.

6. We are obligated to release the securities due to us insofar as the realizable value of our securities exceeds the secured claims by more than 10%, in which process we are at liberty to select the securities to be released.

X. Place of Fulfillment, Jurisdiction, Applicable Law

1. The place of fulfillment and jurisdiction for deliveries and payments (including protests of checks and bills of exchange), as well as for all disputes which arise between us and Purchaser due to the purchasing contracts concluded between us and Purchaser, is Öhringen. However, we are also entitled to file suit against Purchaser at its place of residence or business.

2. The legal relationship between us and our customers or between us and third parties shall be governed exclusively by applicable law in the Federal Republic of Germany, excluding international uniform law, particularly the UN Convention on Contracts for the International Sale of Goods.

XI. Other

1. If these provisions are or become partially void or incomplete or are excluded by a special agreement, the validity of the remaining provisions shall not be affected by this.

2. We would like to note that we store data of our customers as part of our mutual business relationships in accordance with applicable data protection regulations, particularly the European General Data Protection Regulation and the German Data Protection Act.

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