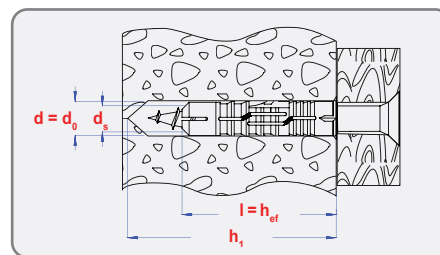


INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	d _s [mm]	h _{ef} [mm]
5	25	5	35	3,0-4,0	25
6	30	6	40	4,0-5,0	30
8	40	8	55	4,5-6,0	40
10	50	10	70	6,0-8,0	50
12	60	12	80	8,0-10	60
14	70	14	90	10-12	70
16	80	16	100	12-14	80



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
5x25	SM00PBN000500253	5902134726489	200
6x30	SM00PBN000600303	5902134726496	100
8x40	SM00PBN000800403	5902134726519	100
10x50	SM00PBN001000503	5902134726526	50
12x60	SM00PBN001200603	5902134726533	25
14x70	SM00PBN001400703	5902134726540	20
16x80	SM00PBN001600803	5902134726557	10



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
5x25	SM00PBN00050025E	5902134726571	200
6x30	SM00PBN00060030E	5902134726588	100
8x40	SM00PBN00080040E	5902134726601	100
10x50	SM00PBN00100050E	5902134726618	50
12x60	SM00PBN00120060E	5902134726625	25
14x70	SM00PBN00140075E	5902134726632	20
16x80	SM00PBN00160080E	5902134726649	10



Carton box packing - Kartonverpakking - Boîte carton

plug size	screw size	pgb code	EAN13	
6x30	4x35	SM0PBSN0106040353	5902134240145	100
7x30	4,5x35	SM0PBSN0107045353	5902134240152	50
8x40	5x45	SM0PBSN0108050453	5902134240169	50
10x50	6x60	SM0PBSN0110060603	5902134240176	25

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker. ¹⁾

Charges maximales recommandées pour un ancrage simple. ¹⁾

Type PB			4x20	5x25	6x30	8x40	10x50 ²⁾	12x60 ²⁾	14x70 ²⁾	16x80 ²⁾
Diameter screw / Schroefdiameter / Diamètre vis	ø	[mm]	3	4	5	6	8	10	12	12
Min. edge distance / Min. randafstand / Distance au bord min.	C _{min}	[mm]	20	25	30	40	50	60	70	80
Concrete / Beton / Béton	C20/25	[kN]	0,11	0,29	0,4	0,79	1,88	3,01	4,46	5
Solid brick / Volle baksteen / Brique pleine	≥ Mz 12	[kN]	0,1	0,27	0,37	0,78	-	-	-	-
Vertical perforated brick / Geperforeerde baksteen / Brique perforée	≥ Hlz12	[kN]	-	-	-	0,17	-	-	-	-
Sand-lime solid brick / Volle kalkzandsteen / Brique silico-calcaire pleine	≥ KS 12	[kN]	0,1	0,27	0,37	0,81	0,93	-	-	-
Aerated concrete / Cellenbeton / Béton cellulaire	≥ PP4, PB4(G4)	[kN]	-	-	-	0,04	0,1	0,22	0,21	-

¹⁾ including / inclusief / Inclus safety factor 5.

²⁾ Hex coach screw / houtdraadbout / Tirefond DIN571.

SMO0BP



NYLON MULTIFUNCTIONAL PLUG WITH COLLAR

Strong plug, for use with chipboard screws, wood screws and spacer screws. The rim prevents the plug from slipping into the drill hole.

TYPE BP



ADVANTAGES

- The anti-rotation wings prevent the plug from rotating in the drill hole.
- The expansion-free plug neck helps to prevent damage to tiles and plaster.
- The plug's geometry offers high load-bearing capacities in solid and semi-solid building materials.

FUNCTIONING

- Pre-positioned installation.
- When turning in the screw, the plug expands, providing a secure anchoring in solid and soft building materials.
- The required screw length = plug length + board material thickness + fixture thickness + 1x screw diameter.

NYLON MULTIFUNCTIONELE PLUG MET BOORD

Sterke plug met kleine kraag voor gebruik in combinatie met spaanderplaat Schroeven, houtdraadbouten en afstandschroeven.

VOORDELEN

- Vleugels verhinderen dat de plug meedraait in het boorgat.
- De spreiddruk aan de kraag blijft erg beperkt waardoor er geen schade aan pleister- en tegelwerk is.
- De geometrie van de plug zorgt voor optimale grip en hoge uittrekwaarden.

TOEPASSING

- Voorsteekmontage.
- Bij het indraaien van de schroef zet de plug uit en zorgt voor een ideale verankering in volle en geperforeerde bouwmaterialen.
- De lengte van de schroef wordt bepaald door de lengte van de plug + eventuele dikte van de pleisterlaag + dikte van het aanbouwdeel + 1x de schroefdiameter.

CHEVILLE MULTIFONCTIONNELLE NYLON AVEC COLLERETTE

Pour utilisation avec vis agglo, tirefonds et vis de montage à distance. La collerette permet à la cheville de ne pas s'enfoncer dans le mur.

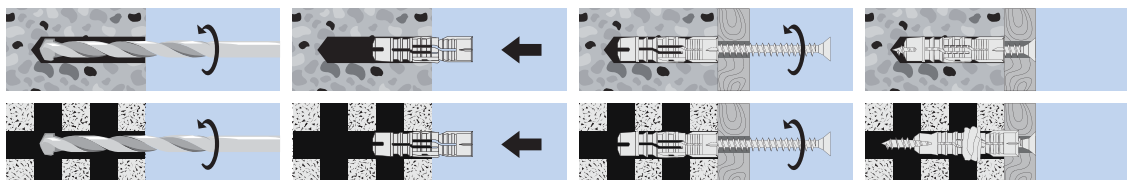
AVANTAGES

- Les ergots empêchent la rotation de la cheville.
- La partie lisse sous la tête ne s'écarter pas et évite ainsi d'endommager le carrelage et le plâtre.
- La géométrie garantit une résistance optimale.

APPLICATION

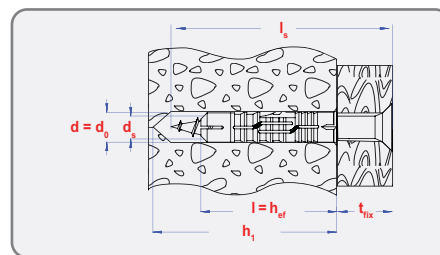
- Installation affleurante.
- Pendant le montage de la vis, la cheville s'écarter et garantit un ancrage sûr dans le matériel de base plein ou creux.
- La longueur de la vis est déterminée par la longueur de la cheville + l'épaisseur du plâtre + l'épaisseur de la pièce à fixer + 1x le diamètre de la cheville.

INSTALLATION SCHEME



INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	d _s [mm]	h _{ef} [mm]
5	25	5	35	3,0-4,0	25
6	30	6	40	4,0-5,0	30
8	40	8	55	4,5-6,0	40
10	50	10	65	6,0-8,0	50
12	60	12	75	8,0-10	60
14	70	14	85	10-12	70



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
5x25	SM00BPN000500253	5902134709444	200
6x30	SM00BPN000600303	5902134709451	200
8x40	SM00BPN000800403	5902134709468	200
10x50	SM00BPN001000503	5902134709475	100
12x60	SM00BPN001200603	5902134709482	50
14x70	SM00BPN001400703	5902134709499	25



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
5x25	SM00BPN00050025E	5902134703671	100
6x30	SM00BPN00060030E	5902134703688	100
8x40	SM00BPN00080040E	5902134703695	100
10x50	SM00BPN00100050E	5902134703718	50
12x60	SM00BPN00120060E	5902134703732	25
14x70	SM00BPN00140070E	5902134703749	20

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker. ¹⁾

Charges maximales recommandées pour un ancrage simple. ¹⁾

Type BP			5x25	6x30	6x30 ²⁾	8x40	8x40 ²⁾	10x50 ²⁾	12x60 ²⁾	14x70 ²⁾
Diameter screw / Schroefdiameter / Diamètre vis	ø	[mm]	4	5	5	6	6	8	10	12
Concrete / Beton / Béton	C20/25	[kN]	0,26	0,29	0,52	0,75	0,83	1,51	2,52	3,23
Solid brick / Volle baksteen / Brique pleine	≥ Mz 12	[kN]	0,13	0,27	0,58	0,4	0,63	0,85	1,11	2,68
Vertical perforated brick / Geperforeerde baksteen / Brique perforée	≥ Hlz12	[kN]	0,07	0,11	0,13	0,22	0,13	0,17	-	0,92
Sand-lime solid brick / Volle kalkzandsteen / Brique silico-calcaire pleine	≥ KS 12	[kN]	0,16	0,53	-	0,45	-	0,72	1,93	-
Sand-lime hollow brick / Holle kalkzandsteen / Brique silico-calcaire creuse	≥ KS 12	[kN]	0,07	0,28	-	0,48	-	0,87	0,61	1,25
Aerated concrete / Cellenbeton / Béton cellulaire	≥ PP4, PB4(G4)	[kN]	0,02	0,04	0,05	0,05	0,09	0,07	0,2	0,2

¹⁾ including / inclusief / Inclus safety factor 5.

²⁾ Hex coach screw / houtdraadbout / Tirefond DIN571.

SMOPUS

MULTIFUNCTIONAL PLUG WITH CHIPBOARD SCREW

Strong nylon plug type BP with chipboard screw.

TYPE PUS



MULTIFUNCTIONELE PLUG MET SPAANDERPLAATSCHROEF

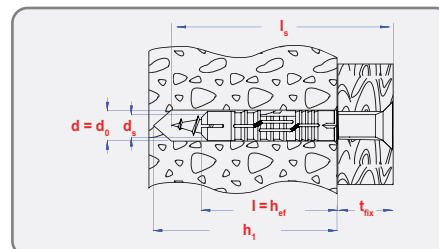
Sterke plug type BP met universele schroef.

CHEVILLE MULTIFONCTIONNELLE AVEC VIS À PANNEAUX

Cheville solide type BP avec vis universelle.

INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	d _s [mm]	l _s [mm]	h _{ef} [mm]	t _{fix} [mm]
5	25	5	35	3	30	25	5
6	30	6	40	4	35	30	5
6	30	6	40	4	50	30	10
8	40	8	55	5	45	40	15
8	40	8	55	5	60	40	20
10	50	10	65	6	60	50	10
10	50	10	65	6	80	50	30



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
5x25/3x30	SM0PUSN0105030030E	5902134703909	100
6x30/4x35	SM0PUSN0106040035E	5902134703916	100
6x30/4x50	SM0PUSN0106040050E	5902134703923	100
8x40/5x45	SM0PUSN0108050045E	5902134703930	50
8x40/5x60	SM0PUSN0108050060E	5902134703947	50
10x50/6x60	SM0PUSN0110060060E	5902134703954	25
10x50/6x80	SM0PUSN0110060080E	5902134703961	25

SMOOP



NYLON 4-SIDE EXPANSION UNIVERSAL PLUG WITH COLLAR

Universal plug with collar for the fastening of average loads in all construction materials. For use with chipboard screws and other wood screws.

TYPE UP



ADVANTAGES

- The anti-rotation wings prevent the plug from rotating in the drill hole.
- The unique design allows application in all building materials. The collar prevents the plug from slipping into the drill hole.
- The central part of the plug is designed to permit the screw to pass rapidly, allowing a swift and easy installation.

FUNCTIONING

- Pre-positioned installation.
- The 4 expansion zones assure optimal hold in all situations: expansion by pressure in solid materials and knot expansion in hollow supports.
- The required screw length = plug length + board material thickness + fixture thickness + 1x screw diameter.

NYLON UNIVERSEELPLUG MET BOORD EN 4 SPREIDZONES

Innovatieve universele plug met kraag voor gebruik met spaanderplaat- en houtschroeven in nagenoeg alle bouwmaterialen.

VOORDELEN

- Vleugels verhinderen dat de plug meedraait in het boorgat.
- De spreiddruk aan de kraag blijft erg beperkt waardoor er geen schade aan pleister- en tegelwerk is.
- Unieke geometrie maakt het mogelijk om de plug te gebruiken in elk bouw materiaal. De kraag verhindert dat de plug in het boorgat wordt geduwd.

TOEPASSING

- Voorsteekmontage.
- De 4 spreidzones zorgen voor een optimale verankering in alle situaties: bij volle bouwstoffen zet de plug uit en in holle bouwstoffen vormt ze een knoop.
- De lengte van de schroef wordt bepaald door de lengte van de plug + eventuele dikte van de pleisterlaag + dikte van het aanbouwdeel + 1x de schroefdiameter.

CHEVILLE UNIVERSELLE AVEC COLLERETTE ET 4 ZONES D'EXPANSION

Cheville universelle innovante avec collerette pour utilisation avec des vis aggro et autres vis à bois.

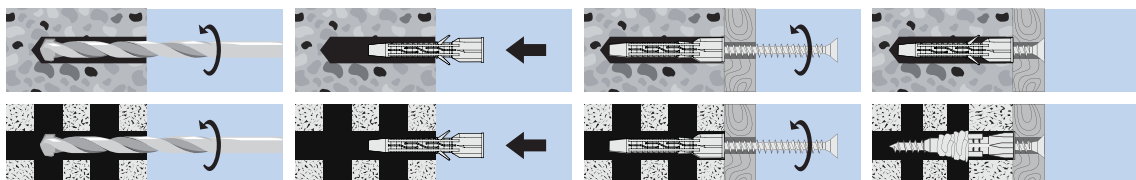
AVANTAGES

- Les ergots empêchent la rotation de la cheville.
- La partie lisse sous la tête ne s'écarte pas et évite d'endommager le carrelage et le plâtre.
- La cheville s'écarte dans les matériaux pleins, et se forme un noeud dans les matériaux creux. La collerette l'empêche de glisser dans le trou.

APPLICATION

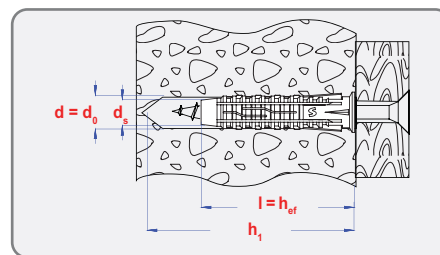
- Installation affleurante.
- L'expansion à quatre directions garantit une résistance optimale: dans des matériaux pleins elle s'écarte, dans les matériaux creux elle forme un noeud.
- La longueur de la vis est déterminée par la longueur de la cheville + l'épaisseur du plâtre + l'épaisseur de la pièce à fixer + 1x le diamètre de la cheville.

INSTALLATION SCHEME



INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ [mm]	d _s [mm]	h _{ef} [mm]
5	25	5	35	3,0-4,0	25
6	30	6	40	4,0-5,0	30
8	40	8	50	4,5-6,0	40
10	50	10	70	6,0-8,0	50
12	60	12	80	8,0-10	60
14	70	14	90	10-12	70



Carton box packing - Kartonverpakking - Boîte carton



size	pgb code	EAN13	
5x25	SM0XUPN000500253	5902134724515	200
6x30	SM0XUPN000600303	5902134724522	200
8x40	SM0XUPN000800403	5902134724539	200
10x50	SM0XUPN001000503	5902134724546	100
12x60	SM0XUPN001200603	5902134724553	50
14x70	SM0XUPN001400703	5902134724560	25



Window box packing - Vensterdoos - Boîte à fenêtre



size	pgb code	EAN13	
5x25	SM0XUPN00050025E	5902134724577	100
6x30	SM0XUPN00060030E	5902134724584	100
8x40	SM0XUPN00080040E	5902134724591	100
10x50	SM0XUPN00100050E	5902134724607	50
12x60	SM0XUPN00120060E	5902134724614	25
14x70	SM0XUPN00140070E	5902134724621	20

PRODUCT VIDEO



Window box packing - Vensterdoos - Boîte à fenêtre



size plug	size screw	pgb code	EAN13	
5x25	3,5x35	SM0XPSN0105035035E	5902134208381	100
6x35	4,5x40	SM0XPSN0106045040E	5902134208947	100
8x40	5,0x50	SM0XPSN0108050050E	5902134208367	50
10x50	6,0x60	SM0XPSN0110060060E	5902134208374	25

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker. ¹⁾

Charges maximales recommandées pour un ancrage simple. ¹⁾

Type XUP			5x25	6x30	8x40	10x50 ²⁾	12x60 ²⁾	14x70 ²⁾
Diameter screw / Schroefdiameter / Diamètre vis	ø	[mm]	3,5	4,0	6,0	8,0	10	12
Concrete / Beton / Béton	C20/25	[kN]	0,26	0,52	1,27	1,55	2,52	3,23
Solid brick / Volle baksteen / Brique pleine	≥ Mz 12	[kN]	0,13	0,25	0,80	0,85	1,11	2,68
Vertical perforated brick / Geperforeerde baksteen / Brique perforée	≥ Hlz12	[kN]	0,07	0,13	0,13	0,34 ³⁾	-	0,92
Sand-lime solid brick / Volle kalkzandsteen / Brique silico-calcaire pleine	≥ KS 12	[kN]	0,16	0,48	1,15	1,28	1,93	-
Sand-lime hollow brick / Holle kalkzandsteen / Brique silico-calcaire creuse	≥ KS 12	[kN]	0,07	0,39	0,66	0,76	0,61	1,25
Aerated concrete / Cellenbeton / Béton cellulaire	≥ PP4, PB4(G4)	[kN]	0,02	0,04	0,13	0,14	0,2	0,2
Plasterboard / Gipskarton / Plaque de plâtre	12,5mm	[kN]	-	-	0,08	-	-	-

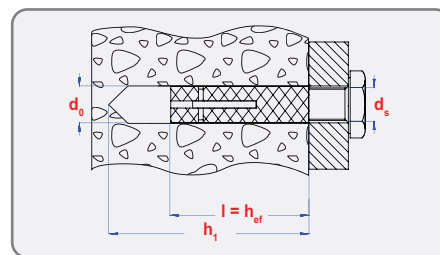
¹⁾ including / inclusief / Inklus safety factor 5.

²⁾ Hex coach screw / houtdraadbout / Tirefond DIN571.

³⁾ Chipboard screw 6mm / spaanderplaat Schroef 6mm / vis aggro 6mm

INFO

d_s [mm]	l [mm]	d_0 [mm]	$h_1 \geq$ [mm]	h_{ef} [mm]
M 4	16	6	20	16
M 5	20	7	30	20
M 6	23	8	35	23
M 7	28	10	40	28
M 8	29	10	40	29
M 10	33	12	45	33
M 12	39	15	50	39
M 14	40	18	55	40
M 16	43	20	55	43



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 4x16	SM0MSPMS00400163	5902134708652	100
M 5x20	SM0MSPMS00500203	5902134708669	100
M 6x23	SM0MSPMS00060233	5902134708676	100
M 7x28	SM0MSPMS00700293	5902134708683	100
M 8x29	SM0MSPMS00800293	5902134708690	100
M 10x33	SM0MSPMS01000333	5902134708706	100
M 12x39	SM0MSPMS01200403	5902134708713	100
M 14x40	SM0MSPMS01400403	5902134708720	50
M 16x43	SM0MSPMS01600433	5902134708737	50



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
M 5x20	SM0MSPMS0050020E	5902134705477	200
M 6x23	SM0MSPMS0006024E	5902134705484	100
M 8x29	SM0MSPMS0080029E	5902134705491	50
M 10x33	SM0MSPMS0100033E	5902134705507	25
M 12x39	SM0MSPMS0120040E	5902134705514	20

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker. ¹⁾

Charges maximales recommandées pour un ancrage simple. ¹⁾

Type MSP			M 4	M 5	M 6	M 8	M10	M12
Concrete / Beton / Béton	C20/25	[kN]	0,49	0,72	0,95	2,25	2,65	3,43
Solid brick / Volle baksteen / Brique pleine	≥ Mz 12	[kN]	0,37	0,45	0,85	-	-	-

¹⁾ including / inclusief / Inclus safety factor 5.

SMOOPA



CEILING ANCHOR

Ceiling anchor with slot, made from hardened spring steel.

TYPE PA



ADVANTAGES

- Easy and quick installation.
- Limited size of the anchor reduces the drill hole depth and allows a fast installation.
- Optimal anchoring in concrete.

FUNCTIONING

- Pre-positioned installation.
- When the anchor is hammered in, the spring steel presses against the sides of the drilled hole creating a strong and reliable fixing.

PLAFONDANKER

Plafondanker met oog, vervaardigd uit veerstaal.

VOORDELEN

- Snelle en eenvoudige installatie.
- Beperkte installatiediepte voor snelle montage.
- Optimale verankering in beton.

TOEPASSING

- Voorsteekmontage.
- Sla het anker in het boorgat met behulp van een hamer. Het anker klemt zichzelf in het boorgat dankzij het speciale veerstaal.

ANCRAGE POUR PLAFONDS

Cheville ressort avec oeillet.

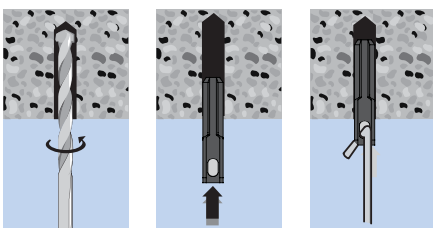
AVANTAGES

- Installation simple et rapide.
- Profondeur d'installation limitée pour un montage rapide et simple.
- Ancrage optimale dans du cellulaire.

APPLICATION

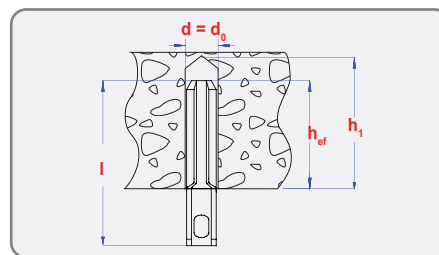
- Installation affleurante.
- Frapper l'ancrage dans le trou à l'aide d'un marteau et l'ancrage se met à serrage.

INSTALLATION SCHEME



INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	h _{ef} [mm]
8	42	8	25	20



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
8x42	SM00PA0000800423	5902134710051	250



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
8x42	SM00PA000080042E	5902134706566	50

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker. ¹⁾

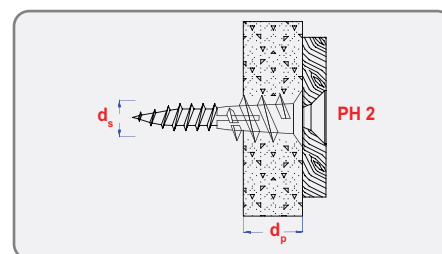
Charges maximales recommandées pour un ancrage simple. ¹⁾

Type PA			ø 8
Concrete / Beton / Béton	C20/25	[kN]	0,64

¹⁾including / inclusief / Inclus safety factor 5.

INFO

l [mm]	d _p ≥ [mm]	d _s [mm]
24	min. 9mm	3,5-4,5
32	min. 9mm	3,5-4,5
29	min. 9mm	3,5-4,5



Carton box packing - Kartonverpakking - Boîte carton

CARTON BOX PACKING

size	pgb code	EAN13	
13x24	SM0GKPN00023	5902134714103	100



Window box packing - Vensterdoos - Boîte à fenêtre

WINDOW BOX PACKING

size	pgb code	EAN13	
13x24	SM0GKPN0002E	5902134714110	50



Carton box packing - Kartonverpakking - Boîte carton

CARTON BOX PACKING

size	pgb code	EAN13	
13x32	SM0GKPN00043	5902134713205	100



Window box packing - Vensterdoos - Boîte à fenêtre

WINDOW BOX PACKING

size	pgb code	EAN13	
13x32	SM0GKPN0004E	5902134713212	50



Carton box packing - Kartonverpakking - Boîte carton

CARTON BOX PACKING

size	pgb code	EAN13	
15x29	SM0GKP0000013	5902134708287	100



Window box packing - Vensterdoos - Boîte à fenêtre

WINDOW BOX PACKING

size	pgb code	EAN13	
15x29	SM0GKP000001E	5902134705446	50



Carton box packing - Kartonverpakking - Boîte carton

CARTON BOX PACKING

size	pgb code	EAN13	
4,5x30	SMGKPS0010103	5902134202082	100



Window box packing - Vensterdoos - Boîte à fenêtre

WINDOW BOX PACKING

size	pgb code	EAN13	
4,5x30	SMGKPS001010E	5902134208107	25

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker. ¹⁾

Charges maximales recommandées pour un ancrage simple. ¹⁾

Type GKP			nylon	zamac
Plasterboard / Gipskarton / Plaque de plâtre	9 mm	[kN]	0,03	0,02
Plasterboard / Gipskarton / Plaque de plâtre	12,5mm	[kN]	0,03	0,03
Plasterboard / Gipskarton / Plaque de plâtre	18mm	[kN]	0,05	0,05

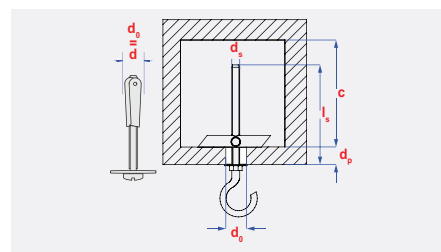
¹⁾including / inclusief / Inclus safety factor 5.

TYPE GAC



INFO

d_s [mm]	l_s [mm]	d_0 [mm]	$d_p \leq$ [mm]	$c \geq$ [mm]
M 5	100	16	60	70
M 6	100	18	60	70
M 8	100	20	55	75



TYPE GAR



INFO

d_s [mm]	l_s [mm]	d_0 [mm]	$d_p \leq$ [mm]	$c_w \geq$ [mm]
M 5	100	16	60	70
M 6	100	18	60	70
M 8	100	20	55	75

TYPE GA



INFO

d_s [mm]	d_0 [mm]	l [mm]
M 6	18	68
M 8	20	74
M10	30	90



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
M 5x100	SM0GAC001050100E	5902134723853	25
M 6x100	SM0GAC001060100E	5902134723860	25
M 8x100	SM0GAC001080100E	5902134723860	25



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
M 5x100	SM0GAR001050100E	5902134723822	25
M 6x100	SM0GAR001060100E	5902134723839	25
M 8x100	SM0GAR001080100E	5902134712895	25



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
M 6	SM00GA001060E	5902134712918	25
M 8	SM00GA001080E	5902134712925	25
M10	SM00GA001100E	5902134712932	25

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker. ¹⁾

Charges maximales recommandées pour un ancrage simple. ¹⁾

Type GAC - GAR - GA			M 6	M 8	M 10
Plasterboard / Gipskarton / Plaque de plâtre	12,5mm	[kN]	0,18		

¹⁾ including / inclusief / Inclus safety factor 5.

SMOPCK



HAMMER NAIL PLUG WITH CYLINDRICAL COLLAR

Hammer nail plug with cylindrical collar and zinc plated screw nail.

TYPE PCK



ADVANTAGES

- Pre-assembled for quick and easy use.
- Hammer-in fixing, no setting tool needed.
- The screw nail can be removed for dismantling of the fixture.

FUNCTIONING

- Push-through installation.
- When hammered in, the plug will expand in 2 directions. If installed in hollow base material the plug should be long enough to at least allow for expansion in the second brick chamber.
- For timber constructions, countersunk plugs are recommended. In case of metal constructions, use plugs with cylindrical or mushroom collar.

NAGELPLUG MET CILINDRISCHE BOORD

Nylon nagelplug met platte boord en electrolytisch verzinkte schroefnagel.

VOORDELEN

- Voorgemonteerd voor tijdsbesparing bij installatie.
- De speciale geometrie voorkomt voortijdig uitzetten tijdens inslaan.
- De schroefnagel met speciale draad kan makkelijk worden ingeslaan en dankzij de kruisindruk worden losgedraaid indien nodig.

TOEPASSING

- Doorsteekmontage.
- De nagelplug wordt door het aanbouwdeel gestoken en klemt zich tegen het boorgat wanneer de nagel wordt ingeslaan.
- In geperforeerd metselwerk dient de lengte van de plug zo gekozen te worden, dat de eerste helft van de expansiezone van de plug zich minimum in één kamer van de steen bevindt.

CHEVILLE À FRAPPER AVEC COLLERETTE PLATE

Cheville à frapper en nylon avec collerette plate et clou en acier zingué.

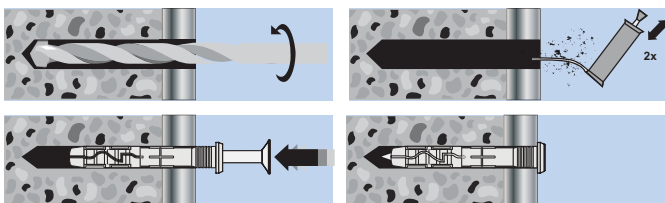
AVANTAGES

- Le clou est prémonté dans la cheville pour un gain de temps lors de la pose.
- La butée interne évite l'expansion prématurée de la cheville lors de l'installation.
- Le clou avec filetage spécial est facile à enfoncer et peut être démonté si nécessaire.

APPLICATION

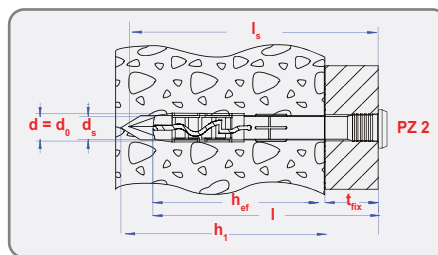
- Installation traversante.
- La cheville est installée en traversant la pièce à fixer et s'écarte dans le trou lorsque le clou est enfoncé.
- Dans la maçonnerie creuse, la longueur de la cheville doit être choisie pour que la moitié de la zone d'expansion soit ancrée au moins dans une paroi du support.

INSTALLATION SCHEME



INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	h _{ef} ≥ [mm]	t _{fix} ≤ [mm]	d _s [mm]	l _s [mm]
5	30	5	35	25	5	3,5	35
5	40	5	35	25	15	3,5	45
5	50	5	35	25	25	3,5	55
6	40	6	40	30	10	3,9	45
6	50	6	40	30	20	3,9	55
6	60	6	40	30	30	3,9	65
6	80	6	40	30	50	3,9	85
8	60	8	50	40	20	4,9	65
8	80	8	50	40	40	4,9	85
8	100	8	50	40	60	4,9	105
8	120	8	50	40	80	4,9	125
8	140	8	50	40	100	4,9	145



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
5x30	SM0PCKN010500303	5902134711867	200
5x40	SM0PCKN010500403	5902134711881	200
5x50	SM0PCKN010500503	5902134711898	200
6x40	SM0PCKN010600403	5902134711386	200
6x50	SM0PCKN010600503	5902134711904	200
6x60	SM0PCKN010600603	5902134711911	200
6x80	SM0PCKN010600803	5902134711928	200
8x60	SM0PCKN010800603	5902134711942	100
8x80	SM0PCKN010800803	5902134711393	100
8x100	SM0PCKN010801003	5902134711409	100
8x120	SM0PCKN010801203	5902134711959	100
8x140	SM0PCKN010081403	5902134191041	100

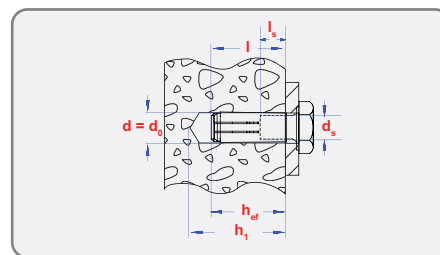


Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
5x30	SM0PCKN01050030E	5902134711966	100
5x40	SM0PCKN01050040E	5902134711980	100
5x50	SM0PCKN01050050E	5902134711997	100
6x40	SM0PCKN01060040E	5902134712000	100
6x50	SM0PCKN01060050E	5902134712017	100
6x60	SM0PCKN01060060E	5902134712024	100
6x80	SM0PCKN01060080E	5902134712031	100
8x60	SM0PCKN01080060E	5902134712055	50
8x80	SM0PCKN01080080E	5902134712062	50
8x100	SM0PCKN01080100E	5902134712079	50
8x120	SM0PCKN01080120E	5902134712086	50

INFO

d_s (mm)	d (mm)	l (mm)	d_0 (mm)	$h_1 \geq$ (mm)	l_s (mm)	$h_{ef} \geq$ (mm)
M 6	8	25	8	30	11	25
M 8	10	30	10	32	13	30
M 10	12	40	12	42	15	40
M 12	15	50	15	55	19	50
M 16	20	65	20	54	25	65
M 20	25	80	25	85	33	80



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 6x25	SM00IA0010600253	5902134708744	100
M 8x30	SM00IA0010800303	5902134708751	100
M 10x40	SM00IA0011000403	5902134708768	50
M 12x50	SM00IA0011200503	5902134708775	50
M 16x65	SM00IA0011600653	5902134708782	25
M 20x80	SM00IA0012000803	5902134708799	25



Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
M 6x25	SM00IA001060025E	5902134706481	50
M 8x30	SM00IA001080030E	5902134706498	50
M 10x40	SM00IA001100040E	5902134706504	25
M 12x50	SM00IA001120050E	5902134706511	20
M 16x65	SM00IA001160065E	5902134706528	10



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 6x25	SM00IAB000600253	5902134722627	100
M 8x30	SM00IAB000800303	5902134722634	100
M 10x40	SM00IAB001000403	5902134722641	50
M 12x50	SM00IAB001200503	5902134722658	50
M 16x65	SM00IAB001600653	5902134722665	25
M 20x80	SM00IAB002000803	5902134722672	25



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 6	SM00IAT00L0601	5902134723396	1
M 8	SM00IAT00L0801	5902134723402	1
M 10	SM00IAT00L1001	5902134723419	1
M 12	SM00IAT00L1201	5902134723426	1
M 16	SM00IAT00L1601	5902134723433	1
M 20	SM00IAT00L2001	5902134723440	1



size	pgb code	EAN13	
M 6	SM00IAT00L060H1	5902134208527	1
M 8	SM00IAT00L080H1	5902134208534	1
M 10	SM00IAT00L100H1	5902134208589	1
M 12	SM00IAT00L120H1	5902134208596	1
M 16	SM00IAT00L160H1	5902134230634	1
M 20	SM00IAT00L200H1	5902134208602	1



size	pgb code	EAN13	
M10x30	SM00IAT00L100301	5902134247175	1

SMOIAL

DROP-IN ANCHOR WITH COLLAR

Internally threaded anchor for simple hammer-in installation.

TYPE IAL



ADVANTAGES

- Due to its small dimensions it is suitable to use in concrete supports with small thickness.
- Internal metric thread allows the use of standard metric screws and threaded rods.
- The collar prevents the anchor sleeve from slipping into the drill hole.

FUNCTIONING

- Pre-positioned installation.
- Drill a hole as in the table and hammer in the anchor. Use the correct setting tool to drive in the steel cone and the anchor will expand.
- The setting tool must sit on the rim of the anchor to ensure correct expansion.

INSLAGANKER MET KRAAG

Inslaganker met metrische binnendraad. Verkrijgbaar in electrolytisch verzinkt staal.

VOORDELEN

- Geschikt voor bevestiging van bouten en draadstangen.
- Beperkte installatiediepte vermindert de montagetijd.
- De kraag voorkomt dat het anker te diep gemonteerd wordt. Ideaal voor plafondtoepassingen.

TOEPASSING

- Voorsteekmontage.
- Het anker met behulp van een hamer inslaan. Daarna het juiste montagehulpstuk gebruiken en de conus van het anker inslaan zodat de plug zich volledig kan spreiden.
- Het montagehulpstuk moet volledig tegen de rand van het anker zitten om een correcte spreiding te garanderen.

CHEVILLE MÉTALLIQUE À FRAPPER AVEC COLERETTE

Cheville à frapper métallique à filet métrique.

AVANTAGES

- Pour utilisation avec des vis et tiges filet métrique.
- Profondeur d'installation limitée pour un gain de temps aux montage.
- La collerette intégrée empêche la douille d'ancrage de glisser trop profondément dans le trou.

APPLICATION

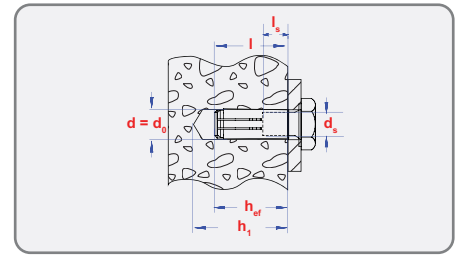
- Installation affleurante.
- Monter l'ancrage à l'aide d'un marteau. Ensuite, frapper l'outil de pose pour enfoncer le cône.
- Contrôle visuel de montage: l'outil de pose doit se trouver contre le bord de la cheville.

INSTALLATION SCHEME



INFO

d_s [mm]	d [mm]	l [mm]	d_0 [mm]	$h_1 \geq$ [mm]	l_s [mm]	$h_{ef} \geq$ [mm]
M 6	8	25	8	30	11	25
M 8	10	25	10	30	11	25
M 8	10	30	10	32	13	30
M 10	12	25	12	30	11	25
M 10	12	30	12	32	13	30
M 10	12	40	12	42	15	40
M 12	15	25	15	30	11	25
M 12	15	50	15	54	20	50
M 16	20	65	20	70	25	65



Carton box packing - Kartonverpakking - Boîte carton

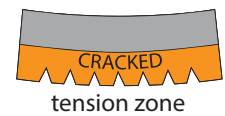
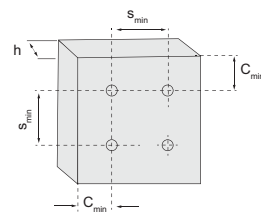
size	pgb code	EAN13	
M 6x25	SM0IAL0010600253	5902134724799	100
M 8x25	SM0IAL0010800253	5902134247120	100
M 8x30	SM0IAL0010800303	5902134724805	100
M 10x25	SM0IAL0011000253	5902134195490	50
M 10x30	SM0IAL0011000303	5902134195506	50
M 10x40	SM0IAL0011000403	5902134724812	50
M 12x25	SM0IAL0011200253	5902134247113	50
M 12x50	SM0IAL0011200503	5902134724829	50
M 16x65	SM0IAL0011600653	5902134724836	25

LOADS - BELASTINGEN - CHARGES

Recommended loads for a single anchor. ¹⁾

Maximaal aanbevolen belasting voor één anker.

Charges maximales recommandées pour un ancrage simple.



Type IAL			M 6	M 8	M10 x30	M10 x40	M12	M16
Min. thickness of concrete member / Min. betondikte / Epaisseur min. du béton	h_{min}	[mm]	80	80	80	80	100	130
Characteristic spacing / Karakteristieke h.o.h.-afstand / Distance entre-axes caractéristique	s_{cr}	[mm]	200	200	200	200	200	260
Characteristic edge distance / Karakteristieke randafstand / Distance au bord caractéristique	C_{cr}	[mm]	150	150	150	150	150	195
Cracked and uncracked concrete / Gescheurd en niet-gescheurd beton / Béton fissuré et non fissuré	C20/25 up to C50/60	[kN]	0,53	0,98	1,63	1,96	2,00	4,28

¹⁾ For multiple use for non-structural applications in concrete according to / volgens / selon ETA-15/0122.
Including partial safety factors γ_2 / Inclusief veiligheidsfactor / Coefficient partiel de sécurité inclus.

SHARPPWARE hammer drill | Type PS762



- 3 cutting edges / 3 snijvlakken / 3 taillants
- Special for drop-in anchors / Speciaal voor inslagankers / Spécial pour chevilles à frapper métalliques





Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 8x60	SM01BZ0010800603	5902134245843	100
M 8x75	SM01BZ0010800753	5902134245850	100
M 8x95	SM01BZ0010800953	5902134245874	100
M 8x115	SM01BZ0010801153	5902134245867	100
M 8x165	SM01BZ0010801653	5902134245898	50
M 10x70	SM01BZ0011000703	5902134245881	50
M 10x90	SM01BZ0011000903	5902134245911	50
M 10x100	SM01BZ0011001003	5902134245928	50
M 10x110	SM01BZ0011001103	5902134245935	50
M10x130	SM01BZ0011001303	5902134245942	50
M10x155	SM01BZ0011001553	5902134245904	50
M12x85	SM01BZ0011200853	5902134245959	25
M12x95	SM01BZ0011200953	5902134245966	25
M12x105	SM01BZ0011201053	5902134245973	25
M12x115	SM01BZ0011201153	5902134246093	25
M12x125	SM01BZ0011201253	5902134245980	25

size	pgb code	EAN13	
M12x145	SM01BZ0011201453	5902134245997	25
M12x160	SM01BZ0011201603	5902134246000	25
M12x180	SM01BZ0011201803	5902134246017	25
M12x255	SM01BZ0011202553	5902134246024	20
M16x105	SM01BZ0011601053	5902134246031	20
M16x135	SM01BZ0011601353	5902134246048	20
M16x145	SM01BZ0011601453	5902134246055	20
M16x170	SM01BZ0011601703	5902134246062	20
M16x200	SM01BZ0011602003	5902134246079	10
M16x220	SM01BZ0011602203	5902134246086	10
M16xv250	SM01BZ0011602503	5902134246505	10
M16x300	SM01BZ0011603003	5902134246512	10
M20x165	SM01BZ0012001653	5902134246482	10
M20x195	SM01BZ0012001953	5902134246499	10
M24x220	SM01BZ0012402203	5902134246604	5



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 10x90	SM01BZ0101000903	5902134246291	50
M 10x100	SM01BZ0101001003	5902134246307	50
M 10x110	SM01BZ0101001103	5902134246314	50
M10x130	SM01BZ0101001303	5902134246321	50
M10x155	SM01BZ0101001553	5902134246338	50
M12x110	SM01BZ0101201103	5902134246345	25
M12x115	SM01BZ0101201153	5902134246352	25
M12x145	SM01BZ0101201453	5902134246369	25

size	pgb code	EAN13	
M12x160	SM01BZ0101201603	5902134246376	25
M12x180	SM01BZ0101201803	5902134246383	25
M16x135	SM01BZ0101601353	5902134246390	20
M16x145	SM01BZ0101601453	5902134246406	20
M16x170	SM01BZ0101601703	5902134246413	20
M16x200	SM01BZ0101602003	5902134246420	10
M16x220	SM01BZ0101602203	5902134246437	10



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M8x60	SM01BZB000800603	5902134246109	100
M8x75	SM01BZB000800753	5902134246116	100
M8x95	SM01BZB000800953	5902134246123	100
M8x115	SM01BZB000801153	5902134246130	100
M10x70	SM01BZB001000703	5902134246147	50
M10x90	SM01BZB001000903	5902134246154	50
M10x100	SM01BZB001001003	5902134246161	50
M10x110	SM01BZB001001103	5902134246178	50
M10x130	SM01BZB001001303	5902134246185	50
M10x155	SM01BZB001001553	5902134248011	50
M12x75	SM01BZB001200753	5902134010106	25
M12x85	SM01BZB001200853	5902134246192	25
M12x95	SM01BZB001200953	5902134011073	25
M12x105	SM01BZB001201053	5902134246208	25
M12x115	SM01BZB001201153	5902134246215	25
M12x125	SM01BZB001201253	5902134246222	25

size	pgb code	EAN13	
M12x145	SM01BZB001201453	5902134246239	25
M12x160	SM01BZB001201603	5902134246246	25
M12x200	SM01BZB001202003	5902134249810	25
M16x125	SM01BZB001601253	5902134246253	20
M16x145	SM01BZB001601453	5902134246260	20
M16x170	SM01BZB001601703	5902134246277	20
M16x200	SM01BZB001602003	5902134246284	10
M20x165	SM01BZB002001653	5902134251493	10
M20x195	SM01BZB002001953	5902134251509	10
M20x235	SM01BZB002002353	5902134251516	5
M20x265	SM01BZB002002653	5902134251523	5
M20x285	SM01BZB002002853	5902134251530	5
M24x200	SM01BZB002402003	5902134251547	10
M24x230	SM01BZB002402303	5902134251554	5
M24x245	SM01BZB002402453	5902134251561	5



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M6x50	SM07TB0010600503	5902134250427	200
M6x60	SM07TB0010600603	5902134250441	200
M6x80	SM07TB0010600803	5902134250489	200
M6x100	SM07TB0010601003	5902134250465	200
M8x50	SM07TB0010800503	5902134250502	200
M8x60	SM07TB0010800603	5902134250519	200
M8x65	SM07TB0010800653	5902134250533	200
M8x75	SM07TB0010800753	5902134250557	100
M8x90	SM07TB0010800903	5902134250571	100
M8x115	SM07TB0010801153	5902134250595	100
M8x130	SM07TB0010801303	5902134250618	100
M10x70	SM07TB0011000703	5902134250632	100
M10x90	SM07TB0011000903	5902134250656	50
M10x100	SM07TB0011001003	5902134250670	50
M10x120	SM07TB0011001203	5902134250694	50
M10x150	SM07TB0011001503	5902134250717	50
M10x170	SM07TB0011001703	5902134250731	50
M10x210	SM07TB0011002103	5902134250755	50
M10x230	SM07TB0011002303	5902134250779	50
M12x80	SM07TB0011200803	5902134250793	50
M12x90	SM07TB0011200903	5902134250809	50
M12x100	SM07TB0011201003	5902134250823	50

size	pgb code	EAN13	
M12x110	SM07TB0011201103	5902134250847	50
M12x125	SM07TB0011201253	5902134250861	50
M12x145	SM07TB0011201453	5902134250878	50
M12x160	SM07TB0011201603	5902134250885	50
M12x180	SM07TB0011201803	5902134250908	50
M12x220	SM07TB0011202203	5902134250922	50
M12x250	SM07TB0011202503	5902134250946	25
M14x120	SM07TB0011401203	5902134250960	25
M14x145	SM07TB0011401453	5902134250984	25
M14x170	SM07TB0011401703	5902134251004	25
M16x105	SM07TB0011601053	5902134251028	25
M16x125	SM07TB0011601253	5902134251035	25
M16x145	SM07TB0011601453	5902134251059	25
M16x170	SM07TB0011601703	5902134251073	25
M16x220	SM07TB0011602203	5902134251097	25
M16x250	SM07TB0011602503	5902134251110	25
M16x280	SM07TB0011602803	5902134251134	25
M20x125	SM07TB0012001253	5902134251158	20
M20x165	SM07TB0012001653	5902134251165	20
M20x215	SM07TB0012002153	5902134251172	20
M20x275	SM07TB0012002753	5902134251189	20



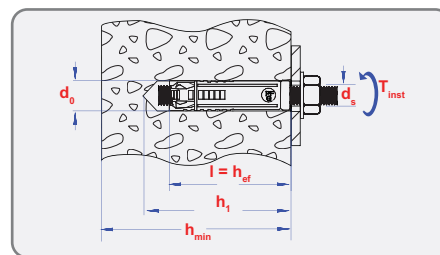
Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 8x75	SM07TB001080075E	5902134010823	25
M 8x90	SM07TB001080090E	5902134010830	25
M 8x115	SM07TB001080115E	5902134010847	20
M 8x130	SM07TB001080130E	5902134010854	20
M 10x90	SM07TB001100090E	5902134010861	20
M 10x100	SM07TB001100100E	5902134010878	15
M 10x120	SM07TB001100120E	5902134010885	15
M10x150	SM07TB001100150E	5902134010892	15
M10x170	SM07TB001100170E	5902134010908	15

size	pgb code	EAN13	
M12x100	SM07TB001120100E	5902134010915	10
M12x110	SM07TB001120110E	5902134010922	10
M12x125	SM07TB001120125E	5902134010939	10
M12x145	SM07TB001120145E	5902134010946	10
M12x160	SM07TB001120160E	5902134010953	10
M12x180	SM07TB001120180E	5902134010960	5
M16x105	SM07TB001160105E	5902134010977	5
M16x125	SM07TB001160125E	5902134010984	5
M16x170	SM07TB001160170E	5902134010991	5

INFO

d_s [mm]	l [mm]	d_0 [mm]	h_1 [mm]	h_{ef} [mm]
M6	40	10	45	40
M8	50	14	55	50
M10	60	16	65	60
M12	80	20	85	80
*M16	100	25	105	100



^{*)} Do not belong to ETA assessment.
Behoort niet tot de ETA-beoordeling.
N'est pas inclus dans l'ETE.



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 6x40	SM000H0010600403	5902134717876	50
M 8x50	SM000H0010800503	5902134717883	50
M 10x60	SM000H0011000603	5902134717890	50
M 12x80	SM000H0011200803	5902134717906	25
M 16x100	SM000H0011601003	5902134717913	10

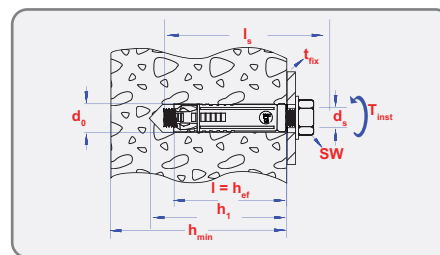


Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
M 6x40	SM000H001060040E	5902134719085	25
M 8x50	SM000H001080050E	5902134719092	25
M 10x60	SM000H001100060E	5902134719108	25
M 12x80	SM000H001120080E	5902134719115	10

INFO

d_s [mm]	l_s [mm]	d_0 [mm]	$h_1 \geq$ [mm]	$h_{ef} \geq$ [mm]	$t_{fix} \leq$ [mm]	SW [mm]
M 6	50	10	45	40	15	10
M 6	70	10	45	40	35	10
M 8	70	14	55	50	25	13
M 8	80	14	55	50	35	13
M 8	90	14	55	50	45	13
M 10	70	16	65	60	15	17
M 10	90	16	65	60	35	17
M 10	110	16	65	60	55	17
M 10	140	16	65	60	85	17
M 12	90	20	85	80	20	19
M 12	120	20	85	80	50	19
M 12	140	20	85	80	70	19
*M 16	120	25	105	100	25	10
*M 16	150	25	105	100	55	10



^{*)} Do not belong to ETA assessment.
Behoort niet tot de ETA-beoordeling.
N'est pas inclus dans l'ETE.



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
M 6x60	SM000T0010600503	5902134717739	50
M 6x80	SM000T0010600703	5902134717746	50
M 8x83	SM000T0010800703	5902134717753	50
M 8x93	SM000T0010800803	5902134717760	50
M 8x103	SM000T0010800903	5902134717777	50
M 10x86	SM000T0011000703	5902134717784	25
M 10x106	SM000T0011000903	5902134717791	25
M 10x126	SM000T0011001103	5902134717807	25
M 10x156	SM000T0011001403	5902134717814	25
M 12x115	SM000T0011200903	5902134717821	25
M 12x145	SM000T0011201203	5902134717838	25
M 12x165	SM000T0011201403	5902134717845	10
M 16x120	SM000T0011601203	5902134717852	10
M 16x150	SM000T0011601503	5902134717869	10

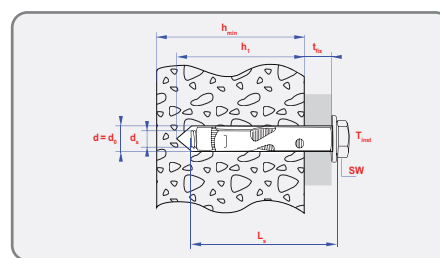


Window box packing - Vensterdoos - Boîte à fenêtre

size	pgb code	EAN13	
M 6x60	SM000T001060050E	5902134719320	25
M 6x80	SM000T001060070E	5902134719337	25
M 8x83	SM000T001080070E	5902134719344	25
M 8x93	SM000T001080080E	5902134719351	25
M 8x103	SM000T001080090E	5902134719368	25
M 10x86	SM000T001100070E	5902134719375	15
M 10x106	SM000T001100090E	5902134719382	15
M 10x126	SM000T001100110E	5902134719399	15
M 10x156	SM000T001100140E	5902134719405	15
M 12x115	SM000T001120090E	5902134719412	10
M 12x145	SM000T001120120E	5902134719429	10
M 12x165	SM000T001120140E	5902134719436	5

INFO

d_s [mm]	d [mm]	l [mm]	d_0 [mm]	$h_1 \geq$ [mm]	l_s [mm]	$t_{fix} \leq$ [mm]	SW [mm]
M 6	8	45	8	50	50*	4	10
M 6	8	65	8	50	70	24	10
M 6	8	100	8	50	100	54	10
M 8	10	50	10	55	55*	5	13
M 8	10	70	10	55	75	25	13
M 8	10	100	10	55	100	45	13
M 8	10	120	10	55	120	65	13
M10	12	60	12	60	65*	5	17
M10	12	80	12	60	80	25	17
M10	12	100	12	60	100	45	17
M10	12	120	12	60	120	65	17
M10	12	130	12	60	130	75	17
M12	16	90	16	85	90	10	19
M12	16	110	16	85	110	30	19
M12	16	130	16	85	130	50	19



^{*)} Do not belong to ETA assessment.
Behoort niet tot de ETA-beoordeling.
N'est pas inclus dans l'ETE.



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
8x45	SM0HAS0010800453	5902134724959	50
8x65	SM0HAS0010800653	5902134724966	50
8x100	SM0HAS0010801003	5902134725000	50
10x50	SM0HAS0011000503	5902134724980	25
10x70	SM0HAS0011000703	5902134725048	25
10x100	SM0HAS0011001003	5902134725062	25
10x120	SM0HAS0011001203	5902134725079	25
12x60	SM0HAS0011200603	5902134725031	20
12x80	SM0HAS0011200803	5902134725055	20
12x100	SM0HAS0011201003	5902134725062	20
12x120	SM0HAS0011201203	5902134725079	20
12x130	SM0HAS0011201303	5902134725086	20
*16x90	SM0HAS0011600903	5902134212913	20
*16x110	SM0HAS0011601103	5902134212920	20
*16x130	SM0HAS0011601303	5902134212937	20

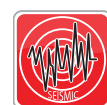
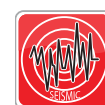
SMOBSZ



CONCRETE SCREW “TURBO SMART” WITH HEXAGON HEAD AND COMBINED WASHER

Selftapping concrete screw with ETA assessment for cracked and uncracked concrete and seismic zones category C1/C2.

TYPE BSZ



ADVANTAGES

- Time-winning simple and quick installation and fixing of the object.
- The anchor can be completely removed and reused which makes it a very economic and suitable solution for temporary installations.
- Tension-free installation allows mounting with small border and axe distances.

FUNCTIONING

- Push-through installation.
- Predrill with the correct drill bit diameter. When the screw is mounted, the chiseled tip cuts a clear thread in the base material ensuring a solid anchoring.
- Optimal flexibility thanks to multiple anchoring depths.

BETONSCHROEF “TURBO SMART” MET ZESKANTKOP EN AANGEPERSTE RING

Zelftappende betonschroef met ETA-beoordeling voor gescheurd en ongescheurd beton en seismische beoordeling C1/C2.

VOORDELEN

- Snel en eenvoudig plaatsen en monteren bespaart tijd.
- Volledig demonteerbaar en herbruikbaar anker en daardoor een economische en zeer geschikte oplossing voor tijdelijke bevestigingen.
- Nagenoeg spreiddrukvrije verankering waardoor kleine rand- en h.o.h.-afstanden mogelijk zijn.

TOEPASSING

- Doorsteekmontage.
- Voorboren met de juiste boordiameter. De schroefdraad snijdt in het beton en verankert zich stevig zonder het beton te breken.
- Meerdere plaatsingsdieptes voor optimale flexibiliteit.

VIS BÉTON “TURBO SMART” TÊTE HEXAGONALE ET RONDELLE COMBINÉE

Vis béton autotaraudeuse avec agrément ETE pour béton fissuré et non fissuré et pour zones sismiques C1/C2.

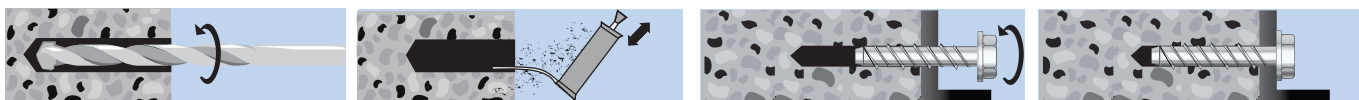
AVANTAGES

- Montage simple et rapide: fixation en une seule opération.
- Ancrage entièrement réutilisable: solution économique adaptée aux fixations temporaires.
- Pas de contrainte d'expansion ce qui permet une fixation avec des distances aux bords et des entraxes faibles.

APPLICATION

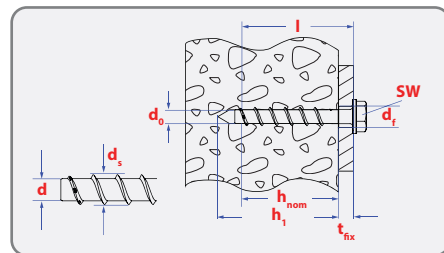
- Installation traversante.
- Lorsque la vis est montée, elle fait son propre taraudage dans le béton ce qui garantit un ancrage excellent.
- Flexibilité grâce à plusieurs profondeurs d'ancrage.

INSTALLATION SCHEME



INFO

d [mm]	l [mm]	d ₀ [mm]	d _s [mm]	h ₁ ≥ [mm]	d _f [mm]	h _{nom} ≥ [mm]	t _{fix} ≤ [mm]	SW [mm]
*5	40	5	6	40/-/-	7	35/-/-	5/-/-	10
*5	50	5	6	40/-/-	7	35/-/-	15/-/-	10
*5	60	5	6	40/-/-	7	35/-/-	25/-/-	10
*6	40	6	7,5	40/-/-	8	35/-/-	5/-/-	13
*6	50	6	7,5	40/45/-	8	35/40/-	15/10/-	13
*6	60	6	7,5	40/45/60	8	35/40/55	25/20/5	13
*6	80	6	7,5	40/45/60	12	35/40/55	45/40/25	13
*6	100	6	7,5	40/45/60	12	35/40/55	65/60/45	13
8	50	8	10,6	55/65/75	12	45/55/65	5/-/-	13
8	60	8	10,6	55/65/75	12	45/55/65	15/5/-	13
8	70	8	10,6	55/65/75	12	45/55/65	25/15/5	13
8	80	8	10,6	55/65/75	12	45/55/65	35/25/15	13
8	90	8	10,6	55/65/75	12	45/55/65	45/35/25	13
8	100	8	10,6	55/65/75	12	45/55/65	55/45/35	13
8	120	8	10,6	55/65/75	12	45/55/65	75/65/55	13
8	140	8	10,6	55/65/75	12	45/55/65	95/85/75	13
10	60	10	12,6	65/85/95	14	55/75/85	5/-/-	15
10	70	10	12,6	65/85/95	14	55/75/85	15/-/-	15
10	80	10	12,6	65/85/95	14	55/75/85	25/5/-	15
10	90	10	12,6	65/85/95	14	55/75/85	35/15/5	15
10	100	10	12,6	65/85/95	14	55/75/85	45/25/15	15
10	120	10	12,6	65/85/95	14	55/75/85	65/45/35	15
10	140	10	12,6	65/85/95	14	55/75/85	85/65/55	15
10	150	10	12,6	65/85/95	14	55/75/85	95/75/65	15
10	160	10	12,6	65/85/95	14	55/75/85	105/85/75	15
**10	180	10	12,6	65/85/95	14	55/75/85	125/105/95	15
**10	200	10	12,6	65/85/95	14	55/75/85	145/125/115	15
**10	240	10	12,6	65/85/95	14	55/75/85	185/165/155	15
**10	280	10	12,6	65/85/95	14	55/75/85	225/205/195	15
**10	320	10	12,6	65/85/95	14	55/75/85	265/245/235	15
**10	360	10	12,6	65/85/95	14	55/75/85	305/285/275	15
**10	400	10	12,6	65/85/95	14	55/75/85	345/325/315	15
12	80	12	14,6	75/95/110	16	65/85/100	15/-/-	17
12	110	12	14,6	75/95/110	16	65/85/100	45/25/10	17
12	130	12	14,6	75/95/110	16	65/85/100	65/45/30	17
12	150	12	14,6	75/95/110	16	65/85/100	85/65/50	17
14	80	14	16,6	85/110/125	18	75/100/115	5/-/-	21
14	110	14	16,6	85/110/125	18	75/100/115	35/10/-	21
14	130	14	16,6	85/110/125	18	75/100/115	55/30/15	21
14	150	14	16,6	85/110/125	18	75/100/115	75/50/35	21



^{*)} 35mm embedment covered for multiple use only (ETA part 6).
35mm verankeringsdiepte enkel voor ETA part 6.
35mm profondeur d'ancrage pour ETE part 6.

^{**)} With washer DIN 440.
Met sluitring DIN 440.
Avec rondelle DIN 440.



SHARPWARE MAGNETIC NUT SETTER
SHARPWARE MAGNETISCHE DOPBITS
SHARPWARE DOUILLE MAGNETIQUE

OMDB50





Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
5x40	SM0BSZ0140500403	5902134198330	100
5x50	SM0BSZ0140500503	5902134198347	100
5x60	SM0BSZ0140500603	5902134198354	100
6x40	SM0BSZ0140600403	5902134198361	100
6x50	SM0BSZ0140600503	5902134198378	100
6x60	SM0BSZ0140600603	5902134198385	100
6x80	SM0BSZ0140600803	5902134198392	100
6x100	SM0BSZ0140601003	5902134198408	100
8x50	SM0BSZ0140800503	5902134198415	50
8x60	SM0BSZ0140800603	5902134198422	50
8x70	SM0BSZ0140800703	5902134198439	50
8x80	SM0BSZ0140800803	5902134198446	50
8x90	SM0BSZ0140800903	5902134198453	50
8x100	SM0BSZ0140801003	5902134198460	50
8x120	SM0BSZ0140801203	5902134198477	50
8x140	SM0BSZ0140801403	5902134198484	50
10x60	SM0BSZ0141000603	5902134198491	50
10x70	SM0BSZ0141000703	5902134198507	50
10x80	SM0BSZ0141000803	5902134198514	50
10x90	SM0BSZ0141000903	5902134198521	50

size	pgb code	EAN13	
10x100	SM0BSZ0141001003	5902134198538	25
10x120	SM0BSZ0141001203	5902134198545	25
10x140	SM0BSZ0141001403	5902134198552	25
10x150	SM0BSZ0141001503	5902134198569	25
10x160	SM0BSZ0141001603	5902134198576	25
**10x180	SM0BSZ0141001803	5902134198583	25
**10x200	SM0BSZ0141002003	5902134198590	25
**10x240	SM0BSZ0141002403	5902134198606	25
**10x280	SM0BSZ0141002803	5902134198613	25
**10x320	SM0BSZ0141003203	5902134198620	25
**10x360	SM0BSZ0141003603	5902134198637	25
**10x400	SM0BSZ0141004003	5902134198644	25
12x80	SM0BSZ0141200803	5902134198651	25
12x110	SM0BSZ0141201103	5902134198668	25
12x130	SM0BSZ0141201303	5902134198675	25
12x150	SM0BSZ0141201503	5902134198682	25
14x80	SM0BSZ0141400803	5902134198699	25
14x110	SM0BSZ0141401103	5902134198705	25
14x130	SM0BSZ0141401303	5902134198712	20
14x150	SM0BSZ0141401503	5902134198729	20



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
6x50	SM0BSZB000600503	5902134198736	50
6x60	SM0BSZB000600603	5902134198743	50
8x70	SM0BSZB000800703	5902134198750	50
8x80	SM0BSZB000800803	5902134198767	50
10x90	SM0BSZB001000903	5902134198774	50
10x100	SM0BSZB001001003	5902134198781	50
10x120	SM0BSZB001001203	5902134198798	50



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
5x40	SM0BSV0010500403	5902134198804	100
5x50	SM0BSV0010500503	5902134198811	100
5x60	SM0BSV0010500603	5902134198828	100
6x40	SM0BSV0010600403	5902134198835	100
6x50	SM0BSV0010600503	5902134198842	100
6x60	SM0BSV0010600603	5902134198859	100
6x80	SM0BSV0010600803	5902134198866	100
6x100	SM0BSV0010601003	5902134198873	100
6x120	SM0BSV0010601203	5902134198880	100
6x140	SM0BSV0010601403	5902134198897	100
8x80	SM0BSV0010800803	5902134198903	50
10x90	SM0BSV0011000903	5902134198910	50



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
6x50	SM0BSVB000600503	5902134198927	100
6x65	SM0BSVB000600653	5902134198934	100
6x85	SM0BSVB000600853	5902134198941	100
6x105	SM0BSVB000601053	5902134198958	100
8x80	SM0BSVB000800803	5902134198965	50
10x90	SM0BSVB001000903	5902134198972	50

SMOBSP



CONCRETE SCREW "TURBO SMART" WITH PAN HEAD

Selftapping concrete screw with ETA assessment for cracked and uncracked concrete.

TYPE BSP



Seismic C1
6mm



BETONSCHROEF "TURBO SMART" MET BOLKOP

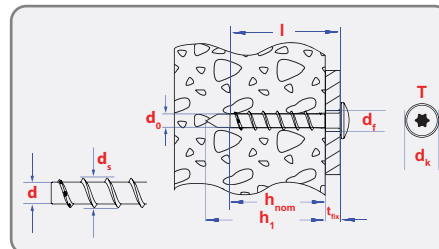
Zelftappende betonschroef met ETA-beoordeling voor gescheurd en ongescheurd beton.

VIS BÉTON "TURBO SMART" TÊTE BOMBÉE

Vis béton autotaraudeuse avec agrément ETE pour béton fissuré et non fissuré.

INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	d _f [mm]	h _{nom} ≥ [mm]	t _{fix} ≤ [mm]	d _k [mm]	Tx [mm]
5	40	5	40/-/-	7	35/-/-	5/-/-	14	T30
5	50	5	40/-/-	7	35/-/-	15/-/-	14	T30
5	60	5	40/-/-	7	35/-/-	25/-/-	14	T30
6	40	6	40/-/-	8	35/-/-	5/-/-	14,5	T30
6	50	6	40/45/-	8	35/40/-	15/10/-	14,5	T30
6	60	6	40/45/60	8	35/40/55	25/20/5	14,5	T30
6	80	6	40/45/60	8	35/40/55	45/40/25	14,5	T30
6	100	6	40/45/60	8	35/40/55	65/60/45	14,5	T30



^{*)} 35mm embedment covered for multiple use only (ETA part 6).
35mm verankeringsdiepte enkel voor ETA part 6.
35mm profondeur d'ancrage pour ETE part 6.



Carton box packing - Kartonverpakking - Boîte carton



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
5x40	SMOBSP0010500403	5902134198989	100
5x50	SMOBSP0010500503	5902134198996	100
5x60	SMOBSP0010500603	5902134199009	100
6x40	SMOBSP0010600403	5902134199016	100
6x50	SMOBSP0010600503	5902134199023	100
6x60	SMOBSP0010600603	5902134199030	100
6x80	SMOBSP0010600803	5902134199047	100
6x100	SMOBSP0010601003	5902134199054	100

size	pgb code	EAN13	
6x50	SMOBSPB000600503	5902134199061	100
6x60	SMOBSPB000600603	5902134199078	100
6x80	SMOBSPB000600803	5902134199085	100
6x100	SMOBSPB000601003	5902134199092	100

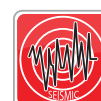
SMOBSI



CONCRETE SCREW "TURBO SMART" WITH METRIC INTERNAL THREAD M8/M10

Selftapping concrete screw with ETA assessment for cracked and uncracked concrete.

TYPE BSI



Seismic C1
6mm



Anchor Design
Software

BETONSCHROEF "TURBO SMART" MET METRISCHE BINNENDRAAD M8/M10

Zelftappende betonschroef met ETA-beoordeling voor gescheurd en ongescheurd beton.

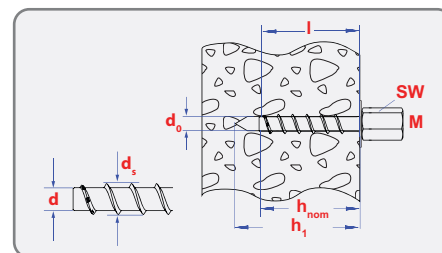
VIS BÉTON "TURBO SMART" AVEC FILET MÉTRIQUE INTERNE M8/M10

Vis béton autotaraudeuse avec agrément ETE pour béton fissuré et non fissuré.

INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	M [mm]	h _{ef} ≥ [mm]	SW [mm]
6	35	6	40/-/-	M8-M10	35/-/-	13
6	55	6	40/45/60	M8-M10	35/40/55	13

35mm embedment covered for multiple use only (ETA part 6).
35mm verankeringsdiepte enkel voor ETA part 6.
35mm profondeur d'ancrage pour ETE part 6.



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
6x35	SMOBSI0010600353	5902134199245	50
6x55	SMOBSI0010600553	5902134199252	50

SMOBSB



CONCRETE SCREW "TURBO SMART" WITH HEXAGON HEAD WITH METRIC CONNECTION THREAD M-

Selftapping concrete screw with ETA assessment for cracked and uncracked concrete.

TYPE BSB



BETONSCHROEF "TURBO SMART" MET ZESKANTKOP EN METRISCH DRAADEIND M8

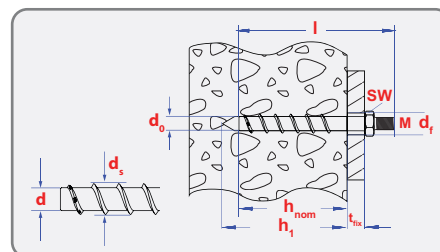
Zelftappende betonschroef met ETA-beoordeling voor gescheurd en ongescheurd beton.

VIS BÉTON "TURBO SMART" TÊTE HEXAGONALE ET FILET MÉTRIQUE M8

Vis béton autotaraudeuse avec agrément ETE pour béton fissuré et non fissuré.

INFO

d [mm]	l [mm]	d ₀ [mm]	h ₁ ≥ [mm]	d _f [mm]	M [mm]	h _{ef} ≥ [mm]	t _{fix} ≤ [mm]	SW [mm]
6	35	6	40/-/-	8	M8x16	35/-/-	0/-/-	10
6	55	6	40/45/60	8	M8x16	35/40/55	20/15/-	10
6	75	6	40/45/60	8	M8x16	35/40/55	40/35/20	10
6	95	6	40/45/60	8	M8x16	35/40/55	60/55/40	10



^{*)} 35mm embedment covered for multiple use only (ETA part 6).
35mm verankeringsdiepte enkel voor ETA part 6.
35mm profondeur d'ancrage pour ETE part 6.



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
6x35	SM0BSB0010600353	5902134199160	100
6x55	SM0BSB0010600553	5902134199177	100
6x75	SM0BSB0010600753	5902134199184	100
6x95	SM0BSB0010600953	5902134199191	100

SMOIRP



CHEMICAL RESIN POLYESTER S-IRP

Versatile injection mortar with European Technical Assessment for use in concrete and masonry.

TYPE S-IRP



ADVANTAGES

- 2-components injection chemical anchor based on polyester resin without styrene.
- Fast curing and low odor for internal use.
- Adapted to horizontal and vertical installations.
- ETA approved for concrete (ETA 13/0750) and brickwork (ETA 19/0152) including hollow bricks.

FUNCTIONING

- Read the installation instructions carefully.
- Resin and hardener are stored in two separate chambers and are not mixed and activated until extrusion through the static mixer.
- Partially used cartridges can be reused, simply by changing the static mixer.

CHEMISCHE MORTEL POLYESTER S-IRP

Chemische mortel met Europese Technische Beoordeling voor gebruik in beton en metselwerk.

VOORDELEN

- 2-componenten mortel obv polyester resine, zonder styreen.
- Snelle uithardingstijd en weinig reukhinder.
- Zeer kleine h.o.h.- en randafstanden dankzij nagenoeg spreiddrukvrige montage.
- ETA-keuring voor beton (ETA 13/0750) en baksteen (ETA 19/0152), waaronder snelbouwstenen.

TOEPASSING

- Lees aandachtig de gebruiksaanwijzing op de verpakking.
- Hars en verharder worden bewaard in 2 aparte kamers in de koker. De 2 componenten worden gemixt door middel van de mengtuit. Direct bruikbaar.
- Gedeeltelijk gebruikte kokers kunnen bewaard worden, het volstaat om achteraf een nieuwe mengtuit op te schroeven.

SCELLEMENT CHIMIQUE POLYESTER S-IRP

Résine chimique avec Evaluation Technique Européenne pour applications dans la maçonnerie et le béton.

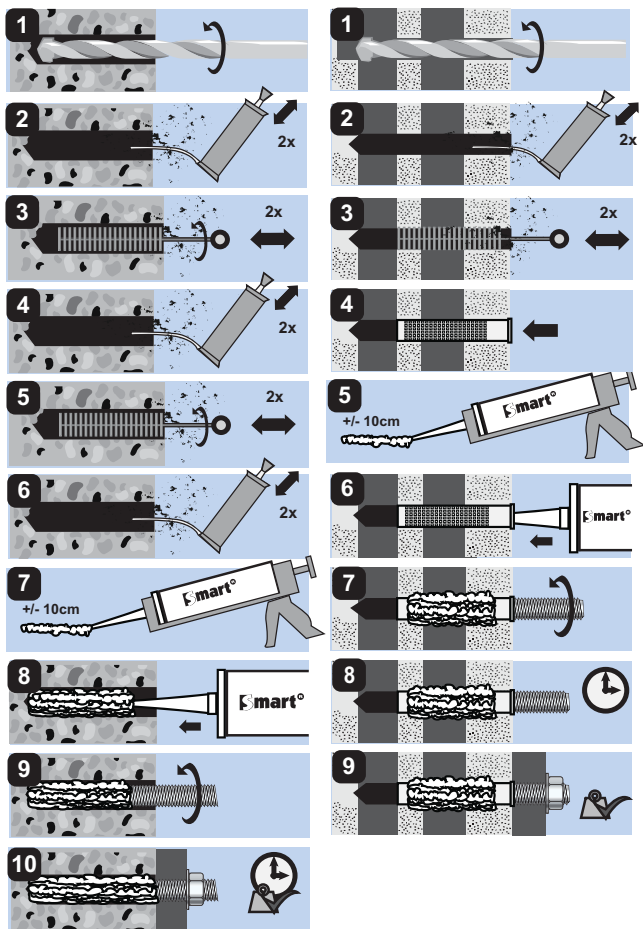
AVANTAGES

- Ancrage chimique à base de résine polyester.
- Prise rapide et sans styrène.
- L'ancrage sans contrainte d'expansion permet des distances aux bords et des entraxes réduits.
- Agrément ETE pour le béton (ETE 13/0750) et la maçonnerie (ETE 19/0152), y compris les briques creuses.

APPLICATION

- Consultez le mode emploi avant utilisation.
- La résine et le durcisseur sont stockés dans deux compartiments séparés; ils ne se mélangent pas et ne sont activés que dans le bec mélangeur. Prêt à l'emploi.
- Des cartouches entamées peuvent être réutilisées en changeant simplement le bec mélangeur.

INSTALLATION SCHEME



ml	language	pgb code	EAN13	
170	NL-FR	SMOIRP170BE	5902134718897	12
170	EN-DE	SMOIRP170EN	5902134196039	12
300	NL-FR-EN-DE	SMOIRP300BE	5902134718903	12
410	NL-FR-EN-DE	SMOIRP410BE	5902134718910	12



ml	pgb code	EAN13	
300	SMOIRP300BED	5902134723884	20x300ml

HARDENING TIMES - UITHARDINGSTIJDEN - TEMPS DE PRISE ¹⁾

Temp.	min. 5°C	5-10°C	10-20°C	20-25°C	25-30°C	> 30°C
working time / verwerkingstijd / temps de manipulation	18'	10'	6'	6'	5'	4'
loading time / uithardingsstijd / temps de prise	145'	145'	85'	50'	40'	35'

¹⁾ Working time is the typical gel time at the highest temperature, loading time is set at the lowest temperature.
De verwerkingstijd is gebaseerd op de hoogste temperatuur, de uithardingsstijd is volgens de laagste temperatuur.
Le temps de manipulation se fait sur la base de la température la plus élevée, le temps de prise se calcule sur base de la température la plus basse.

The cartridges must be conditioned in a dry environment at temperatures between 5°C and 25°C. Avoid sunlight.
De kokers moeten bewaard worden in een droge omgeving op een temperatuur tussen 5°C en 25°C. Vermijd zonlicht.
Les cartouches doivent être conservées dans un endroit sec et à une température entre 5°C et 25°C. Évitez la lumière du soleil.

LOADS - BELASTINGEN - CHARGES ^{1) 2)}

Recommended loads for a single anchor in combination with commercial threaded rods with **MINIMUM** embedment depth.

Maximaal aanbevolen belasting voor één anker met standaard draadstang bij **MINIMALE** verankeringsdiepte.

Charges maximales conseillées pour un ancrage simple avec tige filetée standard et profondeur d'ancrage **MINIMALE**.

rod	d ₀ [mm]	brush diameter	T _{inst} [Nm]	h _{ef,min} = 8d [mm]								N _{ALL} [kN]	
	[mm]	[mm]	[Nm]	h _{ef} =h ₀ [mm]	C _{min} [mm]	S _{min} [mm]	C _{ccN} [mm]	S _{ccN} [mm]	h _{min} [mm]	Consumption ³⁾ 300ml - 410ml		dry /wet / flooded hole	
M 8	10	14	10	64	35	35	128	256	100	69	98	5,4	
M 10	12	14	20	80	40	40	160	320	110	43	60	8,0	
M 12	14	20	40	96	50	50	192	384	126	29	41	12,9	
M 16	18	20	80	128	65	65	192	384	158	16	22	23,0	
M 20	22	29	150	160	80	80	240	480	204	10	14	31,9	
M 24	26	29	200	192	96	96	288	576	244	6	9	43,1	

LOADS - BELASTINGEN - CHARGES ^{1) 2)}

Recommended loads for a single anchor in combination with commercial threaded rods with **MAXIMUM** embedment depth.

Maximaal aanbevolen belasting voor één anker met standaard draadstang bij **MAXIMALE** verankeringsdiepte.

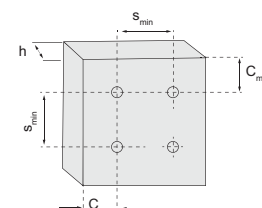
Charges maximales conseillées pour un ancrage simple avec tige filetée standard et profondeur d'ancrage **MAXIMALE**.

rod	d ₀ [mm]	brush diameter	T _{inst} [Nm]	h _{ef,max} = 12d [mm]							N _{ALL} [kN]	
	[mm]	[mm]	[Nm]	h _{ef} = h ₀ [mm]	C _{min} [mm]	S _{min} [mm]	C _{ct,N} [mm]	S _{ct,N} [mm]	h _{min} [mm]	Consumption ³⁾ 300ml - 410ml		dry / wet / flooded hole
M 8	10	14	10	96	50	50	192	384	126	46	65	8,1
M 10	12	14	20	120	60	60	240	480	150	28	40	12,0
M 12	14	20	40	144	70	70	288	576	174	19	27	19,4
M 16	18	20	80	192	95	95	288	576	222	10	15	34,5
M 20	22	29	150	240	120	120	360	720	288	6	9	47,9
M 24	26	29	200	288	145	145	432	864	340	4	6	64,6

¹⁾ Load figures are according to ETA-13/0750 (design method TR029) and include the resistances' partial safety factors as per assessments and a partial safety factor on the action of $\gamma_f = 1,4$. For combined loads, anchor groups and installations close to an edge, concrete edge failure has to be checked as per ETAG, Annex C, Design Method A.
Belastingen volgens ETA-13/0750 (ontwerpmethode TR029) inclusief de partiële veiligheidsfactoren van de weerstand volgens de keuring en een partiële veiligheidsfactor van $\gamma_f = 1,4$. Voor gecombineerde belastingen, anker groepen en installaties dicht bij de rand, moet betonrandfalen worden gecontroleerd volgens ETAG, bijlage C, ontwerpmethode A.
Charges selon ETA-13/0750 (méthode de conception TR029) incluant les facteurs de sécurité partiels de la résistance selon l'inspection et un facteur de sécurité partiel de $\gamma_f = 1,4$. Pour les charges combinées, les groupes d'ancrage et les installations proches du bord, la rupture du bord en béton doit être vérifiée conformément à l'ETAG, annexe C, méthode de conception A.

²⁾ Standard commercial threaded rod with embedment depth h_{ef} from 8d to 12d. / Tige filetée commerciale standard avec profondeur d'encastrement h_{ef} de 8d à 12d. / Standaard commerciële draadstang met verankeringsdiepte h_{ef} van 8d tot 12d.

³⁾ Theoretical value of the number of holes that can be filled with one cartridge. / Theoretische waarde van het aantal openingen dat met één koker kan worden gevuld. / Valeur théorique du nombre de trous qui peuvent être remplis avec une cartouche.

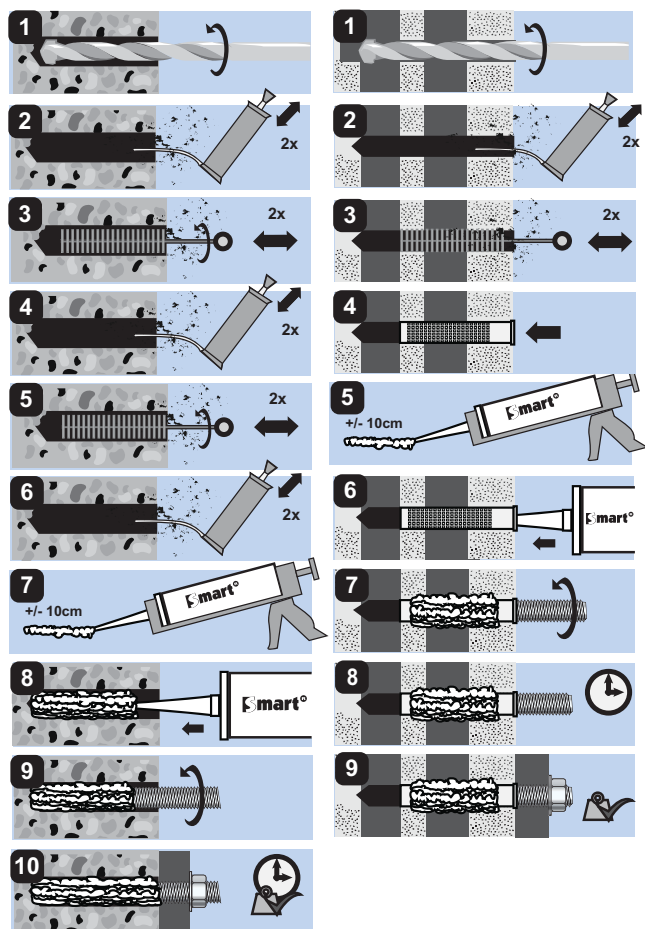
SHEAR LOADS - AFSHUIFBELASTING - CHARGE DE CISAILLEMENT ^{1) 2)}

Grade		M 8	M 10	M 12	M 16	M 20	M 24	M 27	M 30
Galvanized steel class 4,6	V _{Rk,s}	2,9	5,1	7,2	13,2	20,9	30,36	39,3	47,9
	M ⁰ _{Rk,s}	10,9	21,1	37,7	94,9	185,7	320,6	475,4	642,9
Stainless steel A4-70	V _{Rk,s}	6,0	9,2	13,7	25,2	39,4	56,8	73,7	89,7
	M ⁰ _{Rk,s}	11,9	23,8	42,1	106,7	207,9	359,9	533,4	720,7

¹⁾ Load figures are according to ETA-13/0750 (design method TR029) and include the resistances' partial safety factors as per assessments and a partial safety factor on the action of $\gamma_f = 1,4$. For combined loads, anchor groups and installations close to an edge, concrete edge failure has to be checked as per ETAG, Annex C, Design Method A.

²⁾ For all embedment depths $\geq h_{ef,min}$

INSTALLATION SCHEME



GREY - GRIJS - GRIS



ml	language	pgb code	EAN13	
300	NL-FR-EN-DE	SM0IRP300BE	5902134208435	12



BEIGE - TON PIERRE



ml	language	pgb code	EAN13	
300	NL-FR-EN-DE	SMBRPE300BE	5902134251899	12
410	NL-FR-EN-DE	SMBRPE410BE	5902134252315	12

HARDENING TIMES - UITHARDINGSTIJDEN - TEMPS DE PRISE ¹⁾

Temp.	5-10°C	10-20°C	20-25°C	25-30°C	> 30°C
working time / verwerkingstijd / temps de manipulation	12'	6'	4'	3'	2'
loading time / uithardingstijd/ temps de prise	120'	80'	40'	20'	20'

¹⁾ Working time is the typical gel time at the highest temperature, loading time is set at the lowest temperature.
De verwerkingstijd is gebaseerd op de hoogste temperatuur, de uithardingstijd is volgens de laagste temperatuur.
Le temps de manipulation se fait sur la base de la température la plus élevée, le temps de prise se calcule sur base de la température la plus basse.

The cartridges must be conditioned in a dry environment at temperatures between 5°C and 25°C. Avoid sunlight.
De kokers moeten bewaard worden in een droge omgeving op een temperatuur tussen 5°C en 25°C. Vermijd zonlicht.
Les cartouches doivent être conservées dans un endroit sec et à une température entre 5°C et 25°C. Évitez la lumière du soleil.

SMCH06



PERFORATED SLEEVES

GEPERFOREERDE ZEEFHULZEN

TAMIS PERFORÉS



Plastic bag - Plastic zak - Sac plastique

size	rod	pgb code	EAN13	
12x80	M6-M8	SMCH06N0016000855	5902134247083	20
16x85	M8-M10	SMCH06N0016001305	5902134247090	20
16x130	M8-M10	SMCH06N0020000855	5902134247106	20
20x85	M12-M16	SMCH06N0012000805	5902134247076	20

TYPE CH6



size	rod	pgb code	EAN13	
12x1000	M6 -M8	SMCH0600112010005	5902134230788	50
16x1000	M10	SMCH0600116010005	5902134230795	50
22x1000	M12-16	SMCH0600122010005	5902134230801	25



Labelled per piece - Etiket per stuk - Etiquetté par pièce

size	rod	pgb code	EAN13	
12x1000	M6 -M8	SMCH060011201000P	5902134230504	1
16x1000	M10	SMCH060011601000P	5902134230511	1
22x1000	M12-16	SMCH060012201000P	5902134230528	1

SMCH07



INTERNAL THREADED SOCKET

METALEN BINNENDRAADANKER

DOUILLE FEMELLE À FILET MÉTRIQUE



Carton box packing - Kartonverpakking - Boîte carton

size	pgb code	EAN13	
6x48	SMCH070010600483	5902134727264	10
8x80	SMCH070010800803	5902134727271	10
10x80	SMCH070011000803	5902134727288	10
12x80	SMCH070011200803	5902134727295	10
16x120	SMCH070011601203	5902134194905	10

TYPE CH7





Self-adhesive base for cable ties
Zelfklevend plakzadel voor kabelbinders
Base carrée autocollante pour collier de serrage



size	pgb code	EAN13	
19x19	SM0PZVN00190019W5	5902134803609	100
28x28	SM0PZVN00280028W5	5902134803623	100
19x19	SM0PZVN00190019Z5	5902134803616	100
28x28	SM0PZVN00280028Z5	5902134803630	100



Setting tool for cable ties (PRO type)
Tang voor kabelbinder (PRO)
Pince pour collier de serrage (PRO)

size	pgb code	EAN13	
up to 4,8mm	SMCTIETOOL011	5902134803647	1



2-way mounting base
Schroefzadel voor kabelbinder
Base à visser pour collier de serrage



size	pgb code	EAN13	
15x7	SM0SZRN00150007W5	5902134803562	100
26x10	SM0SZRN00260010W5	5902134803586	100



Setting tool for cable ties (DIY type)
Tang voor kabelbinder (DIY)
Pince pour collier de serrage (DIY)

size	pgb code	EAN13	
up to 4,8mm	SMCTIETOOL021	5902134803654	1



Plug for mounting base
Plug voor schroefzadel
Cheville fileté pour embase



size	pgb code	EAN13	
6x37	SM0SPLN000600375	5902134803555	100



Setting tool for cable ties (for A2 cable ties)
Tang voor kabelbinder (voor A2 kabelbinders)
Pince pour collier de serrage (pour colliers A2)

size	pgb code	EAN13	
up to 7,6mm	SMCTIETOOL031	5902134803661	1



Plug for cable tie
Plug voor kabelbinder
Cheville pour collier de serrage



size	pgb code	EAN13	
10x43	SM0PLGN001000435	5902134803548	100



Setting tool for cable ties (for PA12 cable ties)
Tang voor kabelbinder (voor PA12 kabelbinders)
Pince pour collier de serrage (pour colliers PA12)

size	pgb code	EAN13	
9,0mm	SMCTIETOOL041	5902134803678	1



Adhesive strip
Klittenband
Ruban auto-agrippant

size	pgb code	EAN13	
20x3	SM0VELN002000035	5902134803531	1

8.8



material : Steel class 8.8	materiaal : Staal klasse 8.8	matière : Acier classe 8.8	Werkstoff : Stahl Klasse 8.8
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

* DIN 975 is cancelled
 * DIN 975 is vervallen
 * DIN 975 est retiré
 * DIN 975 is veraltet

Technical properties - Technische gegevens - Données techniques - Technische Daten

M x l	ART. CODE	EAN	BOX
M 6 x 1000	000975801006010005	5410439068659	100
M 8 x 1000	000975801008010005	5410439068741	50
M 10 x 1000	000975801010010005	5410439068840	25
M 12 x 1000	000975801012010005	5410439068949	25
M 14 x 1000	000975801014010005	5410439069045	20
M 16 x 1000	000975801016010005	5410439069120	15
M 18 x 1000	000975801018010005	5410439069229	10
M 20 x 1000	000975801020010005	5410439069311	10
M 22 x 1000	000975801022010005	5410439069397	5
M 24 x 1000	000975801024010005	5410439069465	5
M 27 x 1000	000975801027010005	5410439128285	5
M 30 x 1000	000975801030010005	5410439069571	5

8.8



material : Steel class 8.8	materiaal : Staal klasse 8.8	matière : Acier classe 8.8	Werkstoff : Stahl Klasse 8.8
type : Oversized	type : Overmaats	type : Surdimensionné	Typ : Übermass
surface : hot dip galvanized	oppervlak : vuurverzinkt	surface : galvanisé à chaud	Oberfläche : feuerverzinkt

* DIN 975 is cancelled
 * DIN 975 is vervallen
 * DIN 975 est retiré
 * DIN 975 is veraltet

Technical properties - Technische gegevens - Données techniques - Technische Daten

M x l	ART. CODE	EAN	BOX
M 10 x 1000	000975810010010001	5410439423601	1
M 12 x 1000	000975810012010001		1
M 16 x 1000	000975810016010001		1
M 20 x 1000	000975810020010001		1
M 24 x 1000	000975810024010001		1
M 27 x 1000	000975810027010001	5410439423656	1
M 30 x 1000	000975810030010001	5410439423663	1

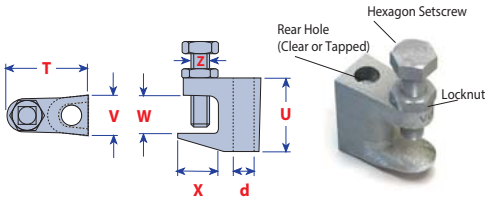
LNFL1T

Support fixings

- LINDAPTER FLANGE CLAMP TYPE FL-1T
- LINDAPTER FLENSKLEM TYPE FL-1T
- LINDAPTER PINCE TYPE FL-1T
- LINDAPTER TRÄGERKLAMMER TYP FL-1T



material : Malleable iron	materiaal : Gietijzer	matière : Fonte malléable	Werkstoff : Temperguss
type : Type FL-1T	type : Type FL-1T	type : Type FL-1T	Typ : Typ FL-1T
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+



Technical properties - Technische gegevens - Données techniques - Technische Daten

D	NEW CODE	EAN	BOX	approv.	d	u	v	w	x	z	T
6	LNFL1T00106BOX6	5051324003593	50	Vds	M 6	35	19	3-17mm	20	M 8	36
8	LNFL1T00108BOX6	5051324003555	50	Vds	M 8	35	19	3-17mm	20	M 8	36

DIN 934 (07/1982) *

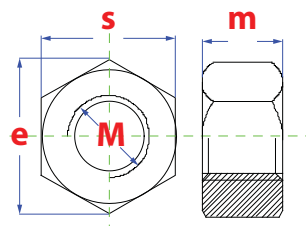
EN ISO 4032 (2001)**

HEXAGON NUT

ZESKANTMOER

ECROU HEXAGONAL

SECHSKANTMUTTER



material : Steel class [6]	materiaal : Staal klasse [6]	matière : Acier classe [6]	Werkstoff : Stahl Klasse [6]
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : plain	oppervlak : blank	surface : brut	Oberfläche : roh

* Cancelled since 10/1991 ** Height and wrench are different
 * Vervallen vanaf 10/1991 ** Verschil in sleutelwijdte en hoogte
 * Retiré à partir de 10/1991 ** Plat de clé et hauteurs sont différents
 * Veraltet ab 10/1991 ** Unterschied in Höhe und Schlüssel

Technical properties - Technische gegevens - Données techniques - Technische Daten

M	ART. CODE	EAN	BOX	e min.	m max.	s max.
M 3	0009346000303	5410439060509	200	6.01	2.4	5.5



material : Steel class [8]	materiaal : Staal klasse [8]	matière : Acier classe [8]	Werkstoff : Stahl Klasse [8]
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : plain	oppervlak : blank	surface : brut	Oberfläche : roh

* Cancelled since 10/1991 ** Height and wrench are different
 * Vervallen vanaf 10/1991 ** Verschil in sleutelwijdte en hoogte
 * Retiré à partir de 10/1991 ** Plat de clé et hauteurs sont différents
 * Veraltet ab 10/1991 ** Unterschied in Höhe und Schlüssel

Technical properties - Technische gegevens - Données techniques - Technische Daten

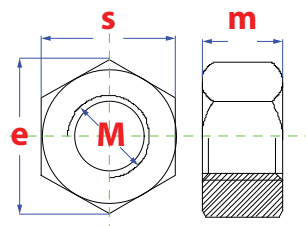
M	ART. CODE	EAN	BOX	e min.	m max.	s max.
M 4	00093480000403	5410439060585	200	7.66	3.2	7
M 5	00093480000503	5410439060660	200	8.79	4	8
M 6	00093480000603	5410439060745	200	11.05	5	10
M 8	00093480000803	5410439060844	200	14.38	6.5	13
M 10	00093480001003	5410439060929	200	18.9	8	17
M 12	00093480001203	5410439061001	100	21.1	10	19
M 14	00093480001403	5410439061063	100	24.49	11	22
M 16	00093480001603	5410439061148	50	26.75	13	24
M 18	00093480001803	5410439061209	50	29.56	15	27
M 20	00093480002003	5410439061285	50	32.95	16	30
M 22	00093480002203	5410439061346	25	35.03	18	32
M 24	00093480002403	5410439061407	25	39.55	19	36
M 27	00093480002703	5410439061469	25	45.2	22	41
M 30	00093480003003	5410439061520	25	50.85	24	46
M 33	00093480003303	5410439061582	25	55.37	26	50
M 36	00093480003603	5410439061629	20	60.79	29	55
M 39	00093480003903	5410439061667	10	66.44	31	60

HEXAGON NUT

ZESKANTMOER

ECROU HEXAGONAL

SECHSKANTMUTTER



material : Steel class 8	materiaal : Staal klasse 8	matière : Acier classe 8	Werkstoff : Stahl Klasse 8
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

Technical properties - Technische gegevens - Données techniques - Technische Daten

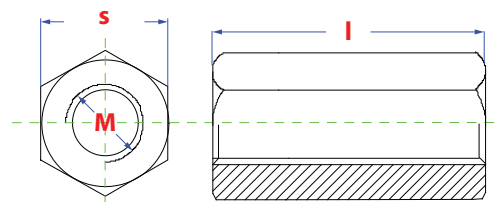
M	ART. CODE	EAN	BOX	c max.	da max.	dw min.	e min.	m max.	mw min.	p	s max.
M 2	00403280100203	5410439478991	1000	0,2	2,3	3,1	4,32	1,6	1,1	0,4	4
M 2,5	00403280100253	5410439479004	1000	0,3	2,9	4,1	5,45	2	1,4	0,45	5
M 3	00403280100303	5410439478984	500	0,4	3,45	4,6	6,01	2,4	1,7	0,5	5,5
M 4	00403280100403	5410439479011	200	0,4	4,6	5,9	7,66	3,2	2,3	0,7	7
M 5	00403280100503	5410439265188	200	0,5	5,75	6,9	8,79	4,7	3,5	0,80	8
M 6	00403280100603	5410439322249	200	0,5	6,75	8,9	11,05	5,2	3,9	1,00	10
M 8	00403280100803	5410439385084	200	0,6	8,75	11,6	14,38	6,8	5,2	1,25	13
M 10	00403280101003	5410439189101	200	0,6	10,8	14,6	17,77	8,4	6,4	1,50	16
M 12	00403280101203	5410439385091	100	0,6	13	16,6	20,03	10,8	8,3	1,75	18
M 14	00403280101403	5410439385107	100	0,6	15,1	19,6	23,36	12,8	9,7	2,00	21
M 16	00403280101603	5410439385145	50	0,8	17,3	27,7	26,75	14,8	11,3	2,00	24
M 18	00403280101803	5410439385152	50	0,8	19,5	24,9	29,56	15,8	12,1	2,50	27
M 20	00403280102003	5410439385169	50	0,8	21,6	27,7	32,95	18,0	13,5	2,50	30
M 22	00403280102203	5410439385176	25	0,8	23,7	31,4	37,29	19,4	14,5	2,50	34
M 24	00403280102403	5410439385183	25	0,8	25,9	33,3	39,55	21,5	16,2	3,00	36
M 27	00403280102703	5410439385190	25	0,8	29,1	38	45,2	23,8	18,0	3,00	41
M 30	00403280103003	5410439385077	25	0,8	32,4	42,8	50,85	25,6	19,4	3,50	46
M 33	00403280103303	5410439473361	25	0,8	35,6	46,6	55,37	28,7	21,9	3,50	50
M 36	00403280103603	5410439473378	20	0,8	38,9	51,1	60,79	31,0	23,5	4,00	55

HEXAGON NUT HEIGHT = 3D

ZESKANTMOER 3D HOOG

ECROU HEXAGONAL HAUTEUR 3D

SECHSKANTMUTTER 3D HOCH



material : Steel class 5	materiaal : Staal klasse 5	matière : Acier classe 5	Werkstoff : Stahl Klasse 5
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

Technical properties - Technische gegevens - Données techniques - Technische Daten

M x l	ART. CODE	EAN	BOX	s
M 3 x 9	006334001003000093	5410439140638	200	SW5,5
M 4 x 12	006334001004000123	5410439306997	200	SW7
M 5 x 15	006334001005000153	5410439072779	200	SW8
M 6 x 18	006334001006000183	5410439072809	100	SW10
M 7 x 21	006334001007000213	5410439127561	100	SW11
M 8 x 24	006334001008000243	5410439072830	100	SW13
M 10 x 30	006334001010000303	5410439072861	100	SW17
M 12 x 36	006334001012000363	5410439072892	50	SW19
M 14 x 42	006334001014000423	5410439104791	50	SW22
M 16 x 48	006334001016000483	5410439072939	25	SW24
M 18 x 54	006334001018000543	5410439104784	25	SW27
M 20 x 60	006334001020000603	5410439072977	10	SW30
M 22 x 66	006334001022000663	5410439213837	15	SW32
M 24 x 72	006334001024000723	5410439073011	10	SW36
M 27 x 81	006334001027000813	5410439176743	10	SW41
M 30 x 90	006334001030000903	5410439176750	5	SW46



material : Stainless steel A2	materiaal : Roestvast staal A2	matière : inox A2	Werkstoff : Edelstahl A2
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : plain	oppervlak : blank	surface : brut	Oberfläche : roh

Technical properties - Technische gegevens - Données techniques - Technische Daten

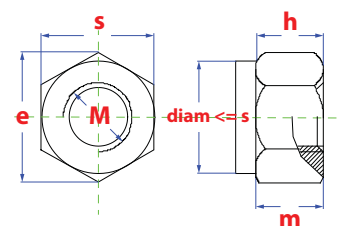
M x l	ART. CODE	EAN	BOX	s
M 6 x 18	006334A00006000183	5410439072786	100	SW10
M 8 x 24	006334A00008000243	5410439072816	100	SW13
M 10 x 30	006334A00010000303	5410439072847	50	SW17
M 12 x 36	006334A00012000363	5410439072878	50	SW19
M 16 x 48	006334A00016000483	5410439072915	25	SW24

SELF-LOCKING HEXAGON NUT WITH NYLON INSERT

ZESKANT BORGMOER MET KUNSTSTOF RING

ECROU AUTOSERRANT HEXAGONAL AVEC ANNEAU NYLON

SECHSKANTSICHERUNGSMUTTER MIT KUNSTSTOFF RING



material : Steel class [8]	materiaal : Staal klasse [8]	matière : Acier classe [8]	Werkstoff : Stahl Klasse [8]
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

Technical properties - Technische gegevens - Données techniques - Technische Daten

M	ART. CODE	EAN	BOX	e min.	h max.	m min.	s max.
M 3	00098580100303*	5410439069892	200	6.01	4	2.4	5.5
M 4	00098580100403*	5410439069915	200	7.66	5	2.9	7
M 5	00098580100503*	5410439069939	200	8.79	5	3.2	8
M 6	00098580100603	5410439101455	200	11.05	6	4	10
M 7	00098580100703	5410439069984	200	12.12	7.5	4.7	11
M 8	00098580100803	5410439070003	200	14.38	8	5.5	13
M 10	00098580101003	5410439070034	200	18.9	10	6.5	17
M 12	00098580101203	5410439070065	200	21.1	12	8	19
M 14	00098580101403	5410439070096	100	24.49	14	9.5	22
M 16	00098580101603	5410439070126	100	26.75	16	10	24
M 18	00098580101803	5410439070157	50	29.56	18.5	13	27
M 20	00098580102003	5410439070188	50	32.95	20	14	30
M 22	00098580102203	5410439070218	25	35.03	22	15	32
M 24	00098580102403	5410439070249	25	39.55	24	15	36
M 27	00098580102703	5410439070263	25	45.2	27	17	41
M 30	00098580103003	5410439070287	25	50.85	30	19	46
M 33	00098580103303	5410439423694	10	55.8	33	22	50
M 36	00098580103603	5410439423700	5	61.31	36	25	55

The items marked with * are subject to reduced loadability steel class [6]

De artikelen aangeduid met * zijn onderworpen aan verminderde belastbaarheid staalklasse [6]

Les éléments marqués d'un * sont soumis à une classe d'acier à capacité de charge réduite [6]

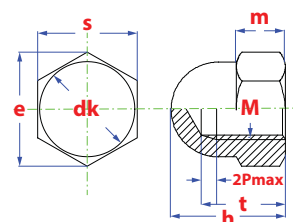
Die mit * gekennzeichneten Artikel unterliegen der reduzierten Tragfähigkeitsklasse [6]

HEXAGON DOMED CAP NUTS HIGH

ZESKANT DOPMOER HOOG

ECROU BORGNE HAUT

SECHSKANT-HUTMUTTERN HOHE FORM



material : Steel class 6	materiaal : Staal klasse 6	matière : Acier classe 6	Werkstoff : Stahl Klasse 6
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

Technical properties - Technische gegevens - Données techniques - Technische Daten

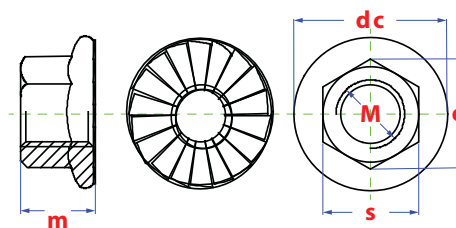
M	ART. CODE	EAN	BOX	dk max.	e min.	h max.	m max.	s max.	t max.
M 3	00158760100303	5410439307635	200	5	6,01	6,5	2,5	5,5	4,5
M 4	00158760100403	5410439072397	200	6.5	7.66	8	3.2	7	5.74
M 5	00158760100503	5410439072427	200	7.5	8.79	10	4	8	7.79
M 6	00158760100603	5410439072465	200	9.5	11.05	12	5	10	8.29
M 8	00158760100803	5410439072496	200	12.5	14.38	15	6.5	13	11.35
M 10	00158760101003	5410439072526	200	15	17.77	18	8	16	13.35
M 12	00158760101203	5410439072557	100	17	20.03	22	10	18	16.35
M 14	00158760101403	5410439170956	50	20	23.35	25	11	21	18.35
M 16	00158760101603	5410439072588	50	23	26.75	28	13	24	21.42
M 18	00158760101803	5410439177146	50	26	30.14	32	15	27	25.42
M 20	00158760102003	5410439072618	25	28	33.53	34	16	30	26.42
M 22	00158760102203	5410439125321	25	31	35,72	39	18	32	29
M 24	00158760102403	5410439125338	25	34	39,98	42	19	36	31

HEXAGON FLANGE NUT SERRATED

ZESKANT FLENSMOER GEKARTELD

ECROU HEXAGONAL A EMBASE CRANTÉ

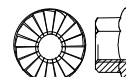
SECHSKANTMUTTER SERZAHNT



material : Steel class 8	materiaal : Staal klasse 8	matière : Acier classe 8	Werkstoff : Stahl Klasse 8
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

Technical properties - Technische gegevens - Données techniques - Technische Daten

M	ART. CODE	EAN	BOX	dc	e	m	s
M 4	0000GM80100403	5410439237826	200	10	7,66	4,5	7
M 5	0000GM80100503	5410439306744	200	11,8	8,79	5	8
M 6	0000GM80100603	5410439307604	200	14,2	11,05	6	10
M 8	0000GM80100803	5410439306935	200	17,9	14,38	8	13
M 10	0000GM80101003	5410439305501	200	21,8	17,77	10	15
M 12	0000GM80101203	5410439105019	100	26	20,03	12	18
M 14	0000GM80101403	5410439638029	100		23,35		21
M 16	0000GM80101603	5410439176873	100	34,5	26,75	16	24

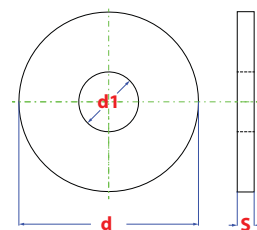


material : Stainless steel A2	materiaal : Roestvast staal A2	matière : inox A2	Werkstoff : Edelstahl A2
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : plain	oppervlak : blank	surface : brut	Oberfläche : roh

Technical properties - Technische gegevens - Données techniques - Technische Daten

M	ART. CODE	EAN	BOX	dc	e	m	s
M 4	0000GMA0000403	5410439176880	200	10	7,66	4,5	7
M 5	0000GMA0000503	5410439141956	200	11,8	8,79	5	8
M 6	0000GMA0000603	5410439306522	200	14,2	11,05	6	10
M 8	0000GMA0000803	5410439176897	200	17,9	14,38	8	13
M 10	0000GMA0001003	5410439176903	200	21,8	17,77	10	15
M 12	0000GMA0001203	5410439176910	100	26	20,03	12	18

MUDGUARD WASHER
CARROSSERIE SLUITRING
RONDELLE CARROSSERIE
KOTFLUGELSCHEIBE



material : Steel	materiaal : Staal	matière : Acier	Werkstoff : Stahl
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

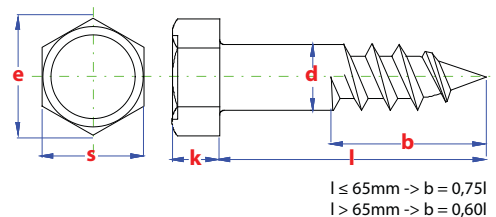
Technical properties - Technische gegevens - Données techniques - Technische Daten

M	d1	s
M 4	4,3	1,25
M 5	5,3	1,5
M 6	6,4	
M 8	8,4	
M 10	10,5	
M 12	12,5	

M x d	ART. CODE	EAN	BOX
M 4 x 15	OCAROS001004000153	5410439177863	200
M 4 x 20	OCAROS001004000203	5410439087070	200
M 4 x 25	OCAROS001004000253	5410439177870	200
M 5 x 20	OCAROS001005000203	5410439087124	200
M 5 x 25	OCAROS001005000253	5410439087131	200
M 5 x 30	OCAROS001005000303	5410439177887	200
M 6 x 20	OCAROS001006000203	5410439177894	200
M 6 x 25	OCAROS001006000253	5410439087186	200
M 6 x 30	OCAROS001006000303	5410439087209	200
M 6 x 36	OCAROS001006000363	5410439087216	100
M 6 x 40	OCAROS001006000403	5410439181747	100
M 8 x 20	OCAROS001008000203	5410439089708	200

M x d	ART. CODE	EAN	BOX
M 8 x 25	OCAROS001008000253	5410439179034	200
M 8 x 30	OCAROS001008000303	5410439087278	200
M 8 x 36	OCAROS001008000363	5410439087292	100
M 8 x 40	OCAROS001008000403	5410439157483	100
M 10 x 25	OCAROS001010000253	5410439177900	100
M 10 x 30	OCAROS001010000303	5410439177917	100
M 10 x 36	OCAROS001010000363	5410439087346	100
M 10 x 40	OCAROS001010000403	5410439087353	100
M 10 x 50	OCAROS001010000503	5410439435109	100
M 12 x 30	OCAROS001012000303	5410439307215	100
M 12 x 36	OCAROS001012000363	5410439177924	100
M 12 x 40	OCAROS001012000403	5410439177931	100

COACH SCREW HEXAGON HEAD
 HOUTDRAADBOUTEN MET ZESKANTKOP
 TIREFOND TÊTE HEXAGONALE
 HOLZSCHRAUBE SECHSKANT



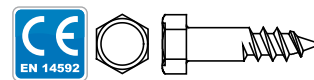
material : Steel	materiaal : Staal	matière : Acier	Werkstoff : Stahl
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

Technical properties - Technische gegevens - Données techniques - Technische Daten

d	e min.	k max.	s max.
5	8.63	3.88	8
6	10.89	4.38	10
7	13.07	5.38	12
8	14.2	5.88	13
10	18.72	7.45	17
12	20.88	8.45	19
16	26.17	10.45	24

d x l	ART. CODE	EAN	BOX
5 x 20	000571001005000203	5410439033046	200
5 x 25	000571001005000253	5410439033053	200
5 x 30	000571001005000303	5410439033077	200
5 x 35	000571001005000353	5410439033084	200
5 x 40	000571001005000403	5410439033107	200
5 x 45	000571001005000453	5410439033114	200
5 x 50	000571001005000503	5410439033138	200
5 x 60	000571001005000603	5410439033152	200
5 x 70	000571001005000703	5410439160667	200
5 x 80	000571001005000803	5410439207126	100
6 x 20	000571001006000203	5410439033169	200
6 x 25	000571001006000253	5410439033176	200
6 x 30	000571001006000303	5410439033190	200
6 x 35	000571001006000353	5410439033213	200
6 x 40	000571001006000403	5410439033237	200
6 x 45	000571001006000453	5410439033251	200
6 x 50	000571001006000503	5410439033275	200
6 x 60	000571001006000603	5410439033299	200
6 x 70	000571001006000703	5410439033312	200
6 x 80	000571001006000803	5410439033336	200
6 x 90	000571001006000903	5410439033350	100
6 x 100	000571001006001003	5410439033374	100
6 x 110	000571001006001103	5410439033381	100

d x l	ART. CODE	EAN	BOX
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6 x 130	000571001006001303	5410439033404	100
6 x 140	000571001006001403	5410439033411	100
6 x 150	000571001006001503	5410439033428	100
7 x 30	000571001007000303	5410439033435	100
7 x 35	000571001007000353	5410439033442	100
7 x 40	000571001007000403	5410439033466	100
7 x 45	000571001007000453	5410439033473	100
7 x 50	000571001007000503	5410439033497	100
7 x 60	000571001007000603	5410439033510	100
7 x 70	000571001007000703	5410439033541	100
7 x 80	000571001007000803	5410439033558	100
7 x 90	000571001007000903	5410439033589	100
7 x 100	000571001007001003	5410439033596	100
7 x 110	000571001007001103	5410439033626	100
7 x 120	000571001007001203	5410439033633	100
7 x 130	000571001007001303	5410439033657	100
7 x 140	000571001007001403	5410439089210	100
7 x 150	000571001007001503	5410439033671	100
8 x 25	000571001008000253	5410439033718	200
8 x 30	000571001008000303	5410439033732	200
8 x 35	000571001008000353	5410439033749	200
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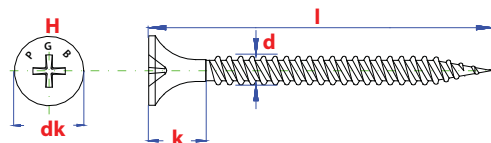
material : Steel	materiaal : Staal	matière : Acier	Werkstoff : Stahl
type : Standard	type : Standaard	type : Standard	Typ : Normalmaß
surface : zinc plated Cr3+	oppervlak : verzinkt Cr3+	surface : zingué Cr3+	Oberfläche : verzinkt Cr3+

d x l	ART. CODE	EAN	BOX
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8 x 60	000571001008000603	5410439033824	200
8 x 65	000571001008000653	5410439101158	200
8 x 70	000571001008000703	5410439033848	200
8 x 80	000571001008000803	5410439033862	200
8 x 90	000571001008000903	5410439033886	100
8 x 100	000571001008001003	5410439033909	100
8 x 110	000571001008001103	5410439033923	100
8 x 120	000571001008001203	5410439033947	100
8 x 130	000571001008001303	5410439033954	100
8 x 140	000571001008001403	5410439033961	50
8 x 150	000571001008001503	5410439033978	50
8 x 160	000571001008001603	5410439033985	50
8 x 180	000571001008001803	5410439034005	50
8 x 200	000571001008002003	5410439034012	50
10 x 30	000571001010000303	5410439034029	100
10 x 35	000571001010000353	5410439034036	100
10 x 40	000571001010000403	5410439034043	100
10 x 45	000571001010000453	5410439034050	100
10 x 50	000571001010000503	5410439034074	100
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10 x 100	000571001010001003	5410439034173	100
10 x 110	000571001010001103	5410439034197	50
10 x 120	000571001010001203	5410439034210	50
10 x 130	000571001010001303	5410439034227	50
10 x 140	000571001010001403	5410439034234	50
10 x 150	000571001010001503	5410439034241	50
10 x 160	000571001010001603	5410439034258	50
10 x 170	000571001010001703	5410439034265	50
10 x 180	000571001010001803	5410439034272	50
10 x 200	000571001010002003	5410439034289	50
10 x 220	000571001010002203	5410439098953	50
10 x 240	000571001010002403	5410439098960	50
10 x 260	000571001010002603	5410439098977	50
10 x 280	000571001010002803	5410439098984	25

d x l	ART. CODE	EAN	BOX
10 x 300	000571001010003003	5410439113779	25
12 x 40	000571001012000403	5410439101196	100
12 x 50	000571001012000503	5410439101202	50
12 x 60	000571001012000603	5410439034296	50
12 x 70	000571001012000703	5410439034302	50
12 x 80	000571001012000803	5410439034319	50
12 x 90	000571001012000903	5410439034326	50
12 x 100	000571001012001003	5410439034333	50
12 x 110	000571001012001103	5410439034340	50
12 x 120	000571001012001203	5410439034357	50
12 x 130	000571001012001303	5410439034364	50
12 x 140	000571001012001403	5410439034371	50
12 x 150	000571001012001503	5410439034388	50
12 x 160	000571001012001603	5410439034395	25
12 x 170	000571001012001703	5410439034401	25
12 x 180	000571001012001803	5410439034418	25
12 x 200	000571001012002003	5410439034425	25
12 x 220	000571001012002203	5410439098991	25
12 x 240	000571001012002403	5410439099004	25
12 x 260	000571001012002603	5410439099028	25
12 x 280	000571001012002803	5410439099035	25
12 x 300	000571001012003003	5410439113816	25
16 x 60	000571001016000603	5410439216500	25
16 x 70	000571001016000703	5410439404549	25
16 x 80	000571001016000803	5410439169158	25
16 x 90	000571001016000903	5410439436540	25
16 x 100	000571001016001003	5410439169110	25
16 x 120	000571001016001203	5410439169172	25
16 x 140	000571001016001403	5410439169165	25
16 x 150	000571001016001503	5410439169189	25
16 x 160	000571001016001603	5410439169196	25
16 x 180	000571001016001803	5410439169127	25
16 x 200	000571001016002003	5410439169141	25
16 x 220	000571001016002203	5410439436557	25
16 x 240	000571001016002403	5410439355599	25
16 x 260	000571001016002603	5410439625357	25
16 x 280	000571001016002803	5410439343831	25
16 x 300	000571001016003003	5410439436564	25

pgb - GPS
type "S"

DRYWALL SCREW "S" BUGEL HEAD AND FINE THREAD
SNELBOUWSCHROEF "S" TROMPETKOP MET FIJNE DRAAD
VIS A FIXATION RAPIDE "S" TÊTE TROMPÈTE AVEC FILET FIN
SCHNELLBAUSCHR. "S" TROMPETENKOPG UND FEINGEWINDE



material : Hardened steel	materiaal : Gehard staal	matière : Acier trempé	Werkstoff : Gehärtet Stahl
type : standard packing	type : standaard verpakking	type : emballage standard	Typ : Normalpackung
surface : phosphated	oppervlak : gefosfateerd	surface : phosphaté	Oberfläche : phosphatiert

Technical properties - Technische gegevens - Données techniques - Technische Daten

d	head diameter (dk)	h
3,5	8-8,5	PH 2
4,2	8-8,8	
4,8	8,3-9,3	

d x l	ART. CODE	EAN	BOX
3,5 x 25	PG0GPS004003500253	5410439006200	1000
3,5 x 35	PG0GPS004003500353	5410439006217	1000
3,5 x 45	PG0GPS004003500453	5410439006224	1000
3,5 x 55	PG0GPS004003500553	5410439006231	1000
4,2 x 65	PG0GPS004004200653	5410439006248	500
4,2 x 75	PG0GPS004004200753	5410439006255	500
4,2 x 85	PG0GPS004004200853	5410439006262	500
4,8 x 90	PG0GPS004004800903	5410439184052	200

d x l	ART. CODE	EAN	BOX
4,8 x 100	PG0GPS004004801003	5410439686617	200
4,8 x 110	PG0GPS004004801103	5410439686624	200
4,8 x 120	PG0GPS004004801203	5410439686570	200
4,8 x 130	PG0GPS004004801303	5410439686587	200
4,8 x 140	PG0GPS004004801403	5410439686594	200
4,8 x 150	PG0GPS004004801503	5410439686600	100
4,8 x 160	PG0GPS004004801603	5410439686563	100



material : Hardened steel	materiaal : Gehard staal	matière : Acier trempé	Werkstoff : Gehärtet Stahl
type : micro packing	type : micro verpakking	type : emballage micro	Typ : Micro Packung
surface : phosphated	oppervlak : gefosfateerd	surface : phosphaté	Oberfläche : phosphatiert

d x l	ART. CODE	EAN	BOX
3,5 x 25	PG0GPS004003500254	5410439006019	200
3,5 x 35	PG0GPS004003500354	5410439006026	200
3,5 x 45	PG0GPS004003500454	5410439006033	200
3,5 x 55	PG0GPS004003500554	5410439100038	200

d x l	ART. CODE	EAN	BOX
4,2 x 65	PG0GPS004004200654	5410439006064	200
4,2 x 75	PG0GPS004004200754	5410439006071	200
4,2 x 85	PG0GPS004004200854	5410439006088	200

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

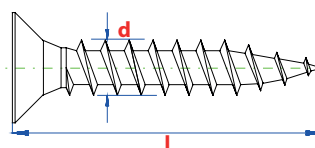
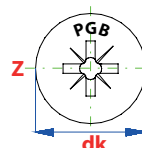
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
2,5	12	PGWVZV002002500123	5410439002011	PZ 1	5	200	28800
	16	PGWVZV002002500163	5410439002028	PZ 1	5	200	28800
	20	PGWVZV002002500203	5410439002035	PZ 1	5	200	28800
3,0	10	PGWVZV002003000103	5410439213851	PZ 1	6	200	28800
	12	PGWVZV002003000123	5410439002042	PZ 1	6	200	28800
	16	PGWVZV002003000163	5410439002059	PZ 1	6	200	28800
	20	PGWVZV002003000203	5410439002066	PZ 1	6	200	28800
	25	PGWVZV002003000253	5410439002073	PZ 1	6	200	16000
	30	PGWVZV002003000303	5410439002080	PZ 1	6	200	16000
	35	PGWVZV002003000353	5410439002097	PZ 1	6	200	12000
	40	PGWVZV002003000403	5410439002103	PZ 1	6	200	9600
	45	PGWVZV002003000453	5410439117425	PZ 1	6	200	7200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
3,0	10	PGWVZV002003000102	5410439105255	PZ 1	6	1000	48000
	12	PGWVZV002003000122	5410439105262	PZ 1	6	1000	48000
	16	PGWVZV002003000162	5410439105279	PZ 1	6	1000	48000
	20	PGWVZV002003000202	5410439105286	PZ 1	6	1000	36000
	25	PGWVZV002003000252	5410439105293	PZ 1	6	1000	24000
	30	PGWVZV002003000302	5410439105309	PZ 1	6	1000	16000
	35	PGWVZV002003000352	5410439105316	PZ 1	6	1000	16000
	40	PGWVZV002003000402	5410439105323	PZ 1	6	1000	12000

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

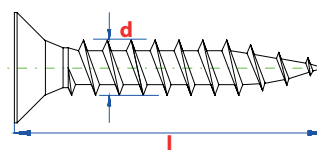
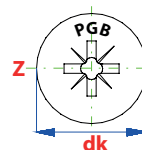
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
3,5	12	PGWVZV002003500123	5410439002110	PZ 2	7	200	28800
	16	PGWVZV002003500163	5410439002127	PZ 2	7	200	16000
	20	PGWVZV002003500203	5410439002134	PZ 2	7	200	16000
	25	PGWVZV002003500253	5410439002141	PZ 2	7	200	16000
	30	PGWVZV002003500303	5410439002158	PZ 2	7	200	12000
	35	PGWVZV002003500353	5410439002165	PZ 2	7	200	12000
	40	PGWVZV002003500403	5410439002172	PZ 2	7	200	7200
	45	PGWVZV002003500453	5410439002189	PZ 2	7	200	7200
	50	PGWVZV002003500503	5410439002196	PZ 2	7	200	7200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
3,5	12	PGWVZV002003500122	5410439105330	PZ 2	7	1000	48000
	16	PGWVZV002003500162	5410439105347	PZ 2	7	1000	36000
	20	PGWVZV002003500202	5410439105354	PZ 2	7	1000	36000
	25	PGWVZV002003500252	5410439105361	PZ 2	7	1000	16000
	30	PGWVZV002003500302	5410439105378	PZ 2	7	1000	16000
	35	PGWVZV002003500352	5410439105385	PZ 2	7	1000	12000
	40	PGWVZV002003500402	5410439105392	PZ 2	7	1000	8000
	45	PGWVZV002003500452	5410439105408	PZ 2	7	1000	8000
	50	PGWVZV002003500502	5410439105415	PZ 2	7	500	6000

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

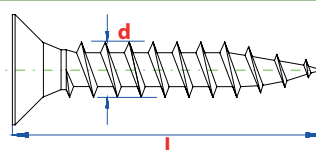
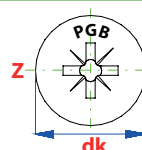
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
4,0	12	PGWVZV002004000123	5410439002202	PZ 2	8	200	28800
	16	PGWVZV002004000163	5410439002219	PZ 2	8	200	16000
	20	PGWVZV002004000203	5410439002226	PZ 2	8	200	16000
	25	PGWVZV002004000253	5410439002233	PZ 2	8	200	12000
	30	PGWVZV002004000303	5410439002240	PZ 2	8	200	12000
	35	PGWVZV002004000353	5410439002257	PZ 2	8	200	9600
	40	PGWVZV002004000403	5410439002264	PZ 2	8	200	7200
	45	PGWVZV002004000453	5410439002271	PZ 2	8	200	7200
	50	PGWVZV002004000503	5410439002288	PZ 2	8	200	7200
	55	PGWVZV002004000553	5410439002295	PZ 2	8	200	4800
	60	PGWVZV002004000603	5410439002301	PZ 2	8	200	4800
	70	PGWVZV002004000703	5410439105538	PZ 2	8	200	3200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
4,0	12	PGWVZV002004000122	5410439105422	PZ 2	8	1000	36000
	16	PGWVZV002004000162	5410439105439	PZ 2	8	1000	36000
	20	PGWVZV002004000202	5410439105446	PZ 2	8	1000	24000
	25	PGWVZV002004000252	5410439105453	PZ 2	8	1000	16000
	30	PGWVZV002004000302	5410439105460	PZ 2	8	1000	16000
	35	PGWVZV002004000352	5410439105477	PZ 2	8	1000	12000
	40	PGWVZV002004000402	5410439105484	PZ 2	8	1000	8000
	45	PGWVZV002004000452	5410439105491	PZ 2	8	500	8000
	50	PGWVZV002004000502	5410439105507	PZ 2	8	500	6000
	55	PGWVZV002004000552	5410439105514	PZ 2	8	500	4000
	60	PGWVZV002004000602	5410439105521	PZ 2	8	500	4000

PGWVZV**Chipboard screw with double countersunk head, pozidriv**

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

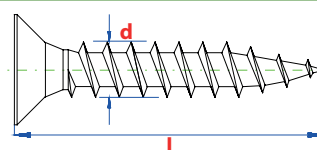
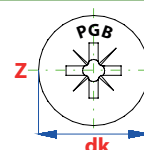
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
4,5	16	PGWVZV002004500163	5410439002332	PZ 2	9	200	16000
	20	PGWVZV002004500203	5410439002349	PZ 2	9	200	12000
	25	PGWVZV002004500253	5410439002356	PZ 2	9	200	12000
	30	PGWVZV002004500303	5410439002363	PZ 2	9	200	9600
	35	PGWVZV002004500353	5410439002370	PZ 2	9	200	7200
	40	PGWVZV002004500403	5410439002387	PZ 2	9	200	7200
	45	PGWVZV002004500453	5410439002394	PZ 2	9	200	7200
	50	PGWVZV002004500503	5410439002400	PZ 2	9	200	4800
	55	PGWVZV002004500553	5410439002417	PZ 2	9	200	4800
	60	PGWVZV002004500603	5410439002424	PZ 2	9	200	3200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
4,5	16	PGWVZV002004500162	5410439105545	PZ 2	9	1000	16000
	20	PGWVZV002004500202	5410439105552	PZ 2	9	1000	16000
	25	PGWVZV002004500252	5410439105569	PZ 2	9	1000	16000
	30	PGWVZV002004500302	5410439105576	PZ 2	9	1000	12000
	35	PGWVZV002004500352	5410439105583	PZ 2	9	500	8000
	40	PGWVZV002004500402	5410439105590	PZ 2	9	500	8000
	45	PGWVZV002004500452	5410439105606	PZ 2	9	500	6000
	50	PGWVZV002004500502	5410439105613	PZ 2	9	500	6000
	55	PGWVZV002004500552	5410439105620	PZ 2	9	500	4000
	60	PGWVZV002004500602	5410439105637	PZ 2	9	500	4000
	70	PGWVZV002004500702	5410439105644	PZ 2	9	200	3200

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

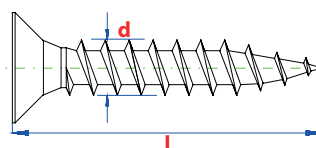
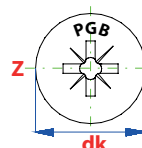
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
5,0	16	PGWVZV002005000163	5410439002455	PZ 2	10	200	12000
	20	PGWVZV002005000203	5410439002462	PZ 2	10	200	9600
	25	PGWVZV002005000253	5410439002479	PZ 2	10	200	9600
	30	PGWVZV002005000303	5410439002486	PZ 2	10	200	7200
	35	PGWVZV002005000353	5410439002493	PZ 2	10	200	7200
	40	PGWVZV002005000403	5410439002509	PZ 2	10	200	7200
	45	PGWVZV002005000453	5410439002516	PZ 2	10	200	4800
	50	PGWVZV002005000503	5410439002523	PZ 2	10	200	4800
	55	PGWVZV002005000553	5410439002530	PZ 2	10	200	3200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
5,0	16	PGWVZV002005000162	5410439105668	PZ 2	10	1000	16000
	20	PGWVZV002005000202	5410439105675	PZ 2	10	1000	16000
	25	PGWVZV002005000252	5410439105682	PZ 2	10	1000	12000
	30	PGWVZV002005000302	5410439105699	PZ 2	10	500	8000
	35	PGWVZV002005000352	5410439105705	PZ 2	10	500	8000
	40	PGWVZV002005000402	5410439105712	PZ 2	10	500	6000
	45	PGWVZV002005000452	5410439105729	PZ 2	10	500	6000
	50	PGWVZV002005000502	5410439105736	PZ 2	10	500	4000
	55	PGWVZV002005000552	5410439105743	PZ 2	10	500	4000
	60	PGWVZV002005000602	5410439105750	PZ 2	10	200	3200
	70	PGWVZV002005000702	5410439105767	PZ 2	10	200	2400

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

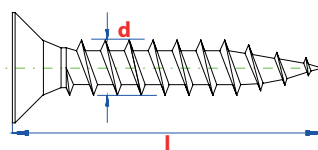
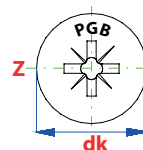
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
6,0	30	PGWVZV002006000303	5410439002615	PZ 3	12	200	7200
	35	PGWVZV002006000353	5410439002622	PZ 3	12	200	4800
	40	PGWVZV002006000403	5410439002639	PZ 3	12	200	4800
	45	PGWVZV002006000453	5410439002646	PZ 3	12	200	3200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
6,0	35	PGWVZV002006000352	5410439105811	PZ 3	12	500	6000
	40	PGWVZV002006000402	5410439105828	PZ 3	12	500	4000
	45	PGWVZV002006000452	5410439105835	PZ 3	12	500	4000
	50	PGWVZV002006000502	5410439105842	PZ 3	12	200	3200
	55	PGWVZV002006000552	5410439105859	PZ 3	12	200	3200
	60	PGWVZV002006000602	5410439105866	PZ 3	12	200	2400
	70	PGWVZV002006000702	5410439105873	PZ 3	12	200	2400

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

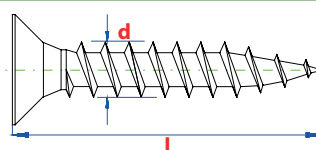
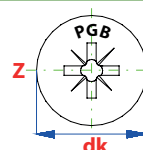
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
2,5	12	PGWVZV001002500123	5410439001014	PZ 1	5	200	28800
	16	PGWVZV001002500163	5410439001021	PZ 1	5	200	28800
	20	PGWVZV001002500203	5410439001038	PZ 1	5	200	28800
3,0	10	PGWVZV001003000103	5410439208307	PZ 1	6	200	28800
	12	PGWVZV001003000123	5410439001045	PZ 1	6	200	28800
	16	PGWVZV001003000163	5410439001052	PZ 1	6	200	28800
	20	PGWVZV001003000203	5410439001069	PZ 1	6	200	16000
	25	PGWVZV001003000253	5410439001076	PZ 1	6	200	16000
	30	PGWVZV001003000303	5410439001083	PZ 1	6	200	16000
	35	PGWVZV001003000353	5410439001090	PZ 1	6	200	12000
	40	PGWVZV001003000403	5410439001106	PZ 1	6	200	9600
	45	PGWVZV001003000453	5410439117418	PZ 1	6	200	7200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
3,0	10	PGWVZV001003000102	5410439105248	PZ 1	6	1000	48000
	12	PGWVZV001003000122	5410439105965	PZ 1	6	1000	48000
	16	PGWVZV001003000162	5410439105972	PZ 1	6	1000	48000
	20	PGWVZV001003000202	5410439105989	PZ 1	6	1000	36000
	25	PGWVZV001003000252	5410439105996	PZ 1	6	1000	24000
	30	PGWVZV001003000302	5410439106009	PZ 1	6	1000	16000
	35	PGWVZV001003000352	5410439106016	PZ 1	6	1000	16000
	40	PGWVZV001003000402	5410439106023	PZ 1	6	1000	12000

PGWVZV

Chipboard screw with double countersunk head, pozidriv
with full thread, hardened and waxed

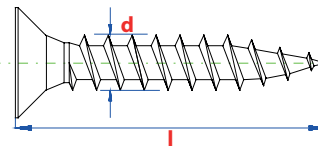
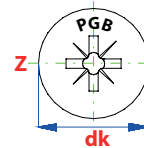
Spaanderplaatschroef dubbel verzonken kop, pozidriv
met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb
mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
3,5	12	PGWVZV001003500123	5410439001113	PZ 2	7	200	28800
	16	PGWVZV001003500163	5410439001120	PZ 2	7	200	16000
	20	PGWVZV001003500203	5410439001137	PZ 2	7	200	16000
	25	PGWVZV001003500253	5410439001144	PZ 2	7	200	16000
	30	PGWVZV001003500303	5410439001151	PZ 2	7	200	12000
	35	PGWVZV001003500353	5410439001168	PZ 2	7	200	12000
	40	PGWVZV001003500403	5410439001175	PZ 2	7	200	7200
	45	PGWVZV001003500453	5410439001182	PZ 2	7	200	7200
	50	PGWVZV001003500503	5410439001199	PZ 2	7	200	7200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
3,5	12	PGWVZV001003500122	5410439106030	PZ 2	7	1000	48000
	16	PGWVZV001003500162	5410439106047	PZ 2	7	1000	36000
	20	PGWVZV001003500202	5410439106054	PZ 2	7	1000	36000
	25	PGWVZV001003500252	5410439106061	PZ 2	7	1000	16000
	30	PGWVZV001003500302	5410439106078	PZ 2	7	1000	16000
	35	PGWVZV001003500352	5410439106085	PZ 2	7	1000	12000
	40	PGWVZV001003500402	5410439106092	PZ 2	7	1000	8000
	45	PGWVZV001003500452	5410439106108	PZ 2	7	1000	8000
	50	PGWVZV001003500502	5410439106115	PZ 2	7	500	6000

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

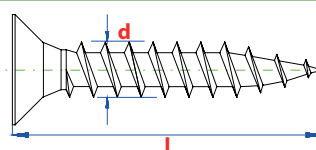
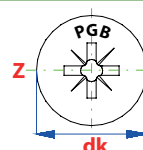
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
4,0	12	PGWVZV001004000123	5410439001205	PZ 2	8	200	28800
	16	PGWVZV001004000163	5410439001212	PZ 2	8	200	16000
	20	PGWVZV001004000203	5410439001229	PZ 2	8	200	16000
	25	PGWVZV001004000253	5410439001236	PZ 2	8	200	12000
	30	PGWVZV001004000303	5410439001243	PZ 2	8	200	12000
	35	PGWVZV001004000353	5410439001250	PZ 2	8	200	9600
	40	PGWVZV001004000403	5410439001267	PZ 2	8	200	7200
	45	PGWVZV001004000453	5410439001274	PZ 2	8	200	7200
	50	PGWVZV001004000503	5410439001281	PZ 2	8	200	7200
	55	PGWVZV001004000553	5410439001298	PZ 2	8	200	4800
	60	PGWVZV001004000603	5410439001304	PZ 2	8	200	4800
	70	PGWVZV001004000703	5410439001311	PZ 2	8	200	3200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
4,0	12	PGWVZV001004000122	5410439106122	PZ 2	8	1000	36000
	16	PGWVZV001004000162	5410439106139	PZ 2	8	1000	36000
	20	PGWVZV001004000202	5410439106146	PZ 2	8	1000	24000
	25	PGWVZV001004000252	5410439106153	PZ 2	8	1000	16000
	30	PGWVZV001004000302	5410439106160	PZ 2	8	1000	16000
	35	PGWVZV001004000352	5410439106177	PZ 2	8	1000	12000
	40	PGWVZV001004000402	5410439106184	PZ 2	8	1000	8000
	45	PGWVZV001004000452	5410439106191	PZ 2	8	500	8000
	50	PGWVZV001004000502	5410439106207	PZ 2	8	500	6000
	55	PGWVZV001004000552	5410439106214	PZ 2	8	500	4000
	60	PGWVZV001004000602	5410439106221	PZ 2	8	500	4000
	70	PGWVZV001004000702	5410439106238	PZ 2	8	500	4000

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

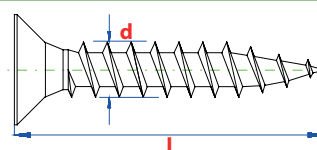
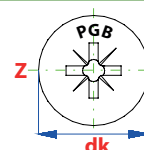
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
4,5	16	PGWVZV001004500163	5410439001335	PZ 2	9	200	16000
	20	PGWVZV001004500203	5410439001342	PZ 2	9	200	12000
	25	PGWVZV001004500253	5410439001359	PZ 2	9	200	12000
	30	PGWVZV001004500303	5410439001366	PZ 2	9	200	9600
	35	PGWVZV001004500353	5410439001373	PZ 2	9	200	7200
	40	PGWVZV001004500403	5410439001380	PZ 2	9	200	7200
	45	PGWVZV001004500453	5410439001397	PZ 2	9	200	7200
	50	PGWVZV001004500503	5410439001403	PZ 2	9	200	4800
	55	PGWVZV001004500553	5410439001410	PZ 2	9	200	4800
	60	PGWVZV001004500603	5410439001427	PZ 2	9	200	3200
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
4,5	16	PGWVZV001004500162	5410439106245	PZ 2	9	1000	16000
	20	PGWVZV001004500202	5410439106252	PZ 2	9	1000	16000
	25	PGWVZV001004500252	5410439106269	PZ 2	9	1000	16000
	30	PGWVZV001004500302	5410439106276	PZ 2	9	1000	12000
	35	PGWVZV001004500352	5410439106283	PZ 2	9	500	8000
	40	PGWVZV001004500402	5410439106290	PZ 2	9	500	8000
	45	PGWVZV001004500452	5410439106306	PZ 2	9	500	6000
	50	PGWVZV001004500502	5410439106313	PZ 2	9	500	6000
	55	PGWVZV001004500552	5410439106320	PZ 2	9	500	4000
	60	PGWVZV001004500602	5410439106337	PZ 2	9	500	4000
	65	PGWVZV001004500652	5410439239295	PZ 2	9	500	4000
	70	PGWVZV001004500702	5410439106344	PZ 2	9	200	3200

PGWVZV

Chipboard screw with double countersunk head, pozidriv

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

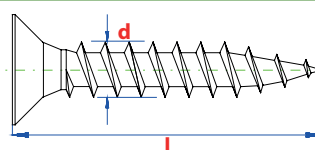
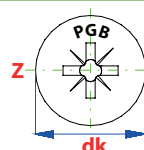
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
5,0	16	PGWVZV001005000163	5410439001458	PZ 2	10	200	12000
	20	PGWVZV001005000203	5410439001465	PZ 2	10	200	9600
	25	PGWVZV001005000253	5410439001472	PZ 2	10	200	9600
	30	PGWVZV001005000303	5410439001489	PZ 2	10	200	7200
	35	PGWVZV001005000353	5410439001496	PZ 2	10	200	7200
	40	PGWVZV001005000403	5410439001502	PZ 2	10	200	7200
	45	PGWVZV001005000453	5410439001519	PZ 2	10	200	4800
	50	PGWVZV001005000503	5410439001526	PZ 2	10	200	4800
	55	PGWVZV001005000553	5410439001533	PZ 2	10	200	4800
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
5,0	16	PGWVZV001005000162	5410439106368	PZ 2	10	1000	16000
	20	PGWVZV001005000202	5410439106375	PZ 2	10	1000	16000
	25	PGWVZV001005000252	5410439106382	PZ 2	10	1000	12000
	30	PGWVZV001005000302	5410439106399	PZ 2	10	500	8000
	35	PGWVZV001005000352	5410439106405	PZ 2	10	500	8000
	40	PGWVZV001005000402	5410439106412	PZ 2	10	500	6000
	45	PGWVZV001005000452	5410439106429	PZ 2	10	500	6000
	50	PGWVZV001005000502	5410439106436	PZ 2	10	500	4000
	55	PGWVZV001005000552	5410439106443	PZ 2	10	500	4000
	60	PGWVZV001005000602	5410439106450	PZ 2	10	200	3200
	70	PGWVZV001005000702	5410439106467	PZ 2	10	200	2400
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
6,0	30	PGWVZV001006000303	5410439001618	PZ 3	12	200	7200
	35	PGWVZV001006000353	5410439001625	PZ 3	12	200	4800
	40	PGWVZV001006000403	5410439001632	PZ 3	12	200	4800
	45	PGWVZV001006000453	5410439001649	PZ 3	12	200	3200

PGWVZV**Chipboard screw with double countersunk head, pozidriv**

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, pozidriv

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte pozi

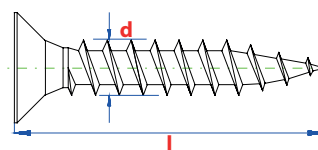
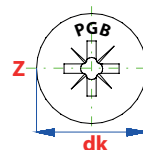
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, Pozidriv Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
INDUSTRIAL PACKING - GROOTVERPAKKING - EMBALLAGE GRAND - INDUSTRIEPACKUNG							
6,0	30	PGWVZV001006000302	5410439106504	PZ 3	12	500	6000
	35	PGWVZV001006000352	5410439106511	PZ 3	12	500	6000
	40	PGWVZV001006000402	5410439106528	PZ 3	12	500	4000
	45	PGWVZV001006000452	5410439106535	PZ 3	12	500	4000
	50	PGWVZV001006000502	5410439106542	PZ 3	12	200	3200
	55	PGWVZV001006000552	5410439106559	PZ 3	12	200	3200
	60	PGWVZV001006000602	5410439106566	PZ 3	12	200	2400
	70	PGWVZV001006000702	5410439106573	PZ 3	12	200	2400

PGWVTV

Chipboard screw with double countersunk head, T-drive

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, T-drive

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte étoile-T

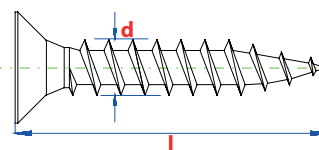
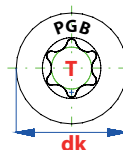
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, I-Stern Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVTV001



d [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
3,0	16	PGWVTV001003000163	5410439338127	TX 10	6	200	28800
	20	PGWVTV001003000203	5410439338134	TX 10	6	200	16000
	25	PGWVTV001003000253	5410439338141	TX 10	6	200	16000
	30	PGWVTV001003000303	5410439339766	TX 10	6	200	12000
3,5	16	PGWVTV001003500163	5410439338158	TX 15	7	200	28800
	20	PGWVTV001003500203	5410439338165	TX 15	7	200	16000
	25	PGWVTV001003500253	5410439338172	TX 15	7	200	16000
	30	PGWVTV001003500303	5410439339773	TX 15	7	200	12000
4,0	16	PGWVTV001004000163	5410439338189	TX 20	8	200	16000
	20	PGWVTV001004000203	5410439338196	TX 20	8	200	16000
	25	PGWVTV001004000253	5410439338202	TX 20	8	200	12000
	30	PGWVTV001004000303	5410439338219	TX 20	8	200	12000
	35	PGWVTV001004000353	5410439339780	TX 20	8	200	9600
	40	PGWVTV001004000403	5410439338226	TX 20	8	200	7200
	45	PGWVTV001004000453	5410439338233	TX 20	8	200	7200
	50	PGWVTV001004000503	5410439338240	TX 20	8	200	7200
	60	PGWVTV001004000603	5410439338257	TX 20	8	200	4800
4,5	70	PGWVTV001004000703	5410439338264	TX 20	8	200	3200
	20	PGWVTV001004500203	5410439338271	TX 20	9	200	12000
	25	PGWVTV001004500253	5410439338288	TX 20	9	200	12000
	30	PGWVTV001004500303	5410439338295	TX 20	9	200	9600
	35	PGWVTV001004500353	5410439339797	TX 20	9	200	7200
	40	PGWVTV001004500403	5410439338301	TX 20	9	200	7200
	45	PGWVTV001004500453	5410439339803	TX 20	9	200	4800
	50	PGWVTV001004500503	5410439338318	TX 20	9	200	4800
	60	PGWVTV001004500603	5410439338325	TX 20	9	200	3200

PGWVTV

Chipboard screw with double countersunk head, T-drive

with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, T-drive

met volledige draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte étoile-T

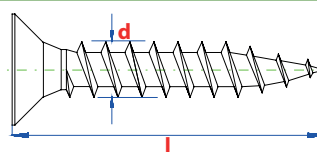
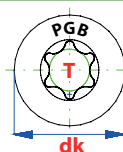
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, I-Stern Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWVTV001



d [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
5,0	16	PGWVTV001005000163	5410439339810	TX 25	10	200	12000
	20	PGWVTV001005000203	5410439339827	TX 25	10	200	9600
	25	PGWVTV001005000253	5410439338349	TX 25	10	200	9600
	30	PGWVTV001005000303	5410439338356	TX 25	10	200	7200
	35	PGWVTV001005000353	5410439338363	TX 25	10	200	7200
	40	PGWVTV001005000403	5410439338370	TX 25	10	200	7200
	45	PGWVTV001005000453	5410439338387	TX 25	10	200	4800
	50	PGWVTV001005000503	5410439338394	TX 25	10	200	4800
	60	PGWVTV001005000602	5410439338400	TX 25	10	200	3200
6,0	40	PGWVTV001006000403	5410439339834	TX 30	12	200	4800
	50	PGWVTV001006000503	5410439338424	TX 30	12	200	3200

PGWVTG

Chipboard screw with double countersunk head, T-drive

with partial thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, T-drive

met gedeeltelijke draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte étoile-T

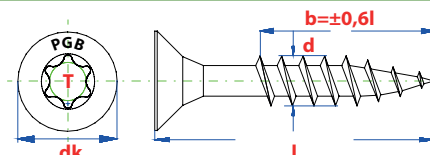
avec filet partiel, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, I-Stern Antrieb

mit Teilgewinde, gehärtet und gleitbeschichtet



DoP: MWVTG001



d [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
3,0	25	PGWVTG001003000253	5410439339711	TX 10	6	200	16000
	30	PGWVTG001003000303	5410439338431	TX 10	6	200	12000
	35	PGWVTG001003000353	5410439339728	TX 10	6	200	12000
	40	PGWVTG001003000403	5410439338448	TX 10	6	200	9600
3,5	25	PGWVTG001003500253	5410439339735	TX 15	7	200	16000
	30	PGWVTG001003500303	5410439338455	TX 15	7	200	12000
	35	PGWVTG001003500353	5410439338462	TX 15	7	200	12000
	40	PGWVTG001003500403	5410439338479	TX 15	7	200	7200
	45	PGWVTG001003500453	5410439338486	TX 15	7	200	7200
	50	PGWVTG001003500503	5410439338493	TX 15	7	200	7200
4,0	30	PGWVTG001004000303	5410439242455	TX 20	8	200	12000
	35	PGWVTG001004000353	5410439338509	TX 20	8	200	9600
	40	PGWVTG001004000403	5410439242462	TX 20	8	200	7200
	45	PGWVTG001004000453	5410439338516	TX 20	8	200	7200
	50	PGWVTG001004000503	5410439242479	TX 20	8	200	7200
	60	PGWVTG001004000603	5410439338523	TX 20	8	200	4800
	70	PGWVTG001004000703	5410439339759	TX 20	8	200	3200
4,5	30	PGWVTG001004500303	5410439338530	TX 20	9	200	9600
	35	PGWVTG001004500353	5410439338547	TX 20	9	200	7200
	40	PGWVTG001004500403	5410439338554	TX 20	9	200	7200
	45	PGWVTG001004500453	5410439338561	TX 20	9	200	4800
	50	PGWVTG001004500503	5410439338578	TX 20	9	200	4800
	60	PGWVTG001004500603	5410439338585	TX 20	9	200	3200
5,0	40	PGWVTG001005000403	5410439338592	TX 25	10	200	7200
	45	PGWVTG001005000453	5410439338608	TX 25	10	200	4800
	50	PGWVTG001005000503	5410439338615	TX 25	10	200	4800

PGWVTG

Chipboard screw with double countersunk head, T-drive

with partial thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, T-drive

met gedeeltelijke draad, gehard en gewaxt

Vis à panneaux double tête fraisée, empreinte étoile-T

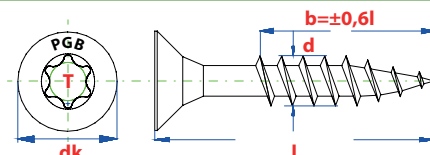
avec filet partiel, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, I-Stern Antrieb

mit Teilgewinde, gehärtet und gleitbeschichtet



DoP: MWVTG001



d [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
5,0	60	PGWVTG001005000602	5410439338622	TX 25	10	200	3200
	70	PGWVTG001005000702	5410439338639	TX 25	10	200	2400
	80	PGWVTG001005000802	5410439338646	TX 25	10	200	2400
	90	PGWVTG001005000902	5410439338653	TX 25	10	200	2400
	100	PGWVTG001005001002	5410439339629	TX 25	10	200	1600
	120	PGWVTG001005001202	5410439428972	TX 25	10	200	1600
6,0	60	PGWVTG001006000602	5410439338660	TX 30	12	200	2400
	70	PGWVTG001006000702	5410439338677	TX 30	12	200	2400
	80	PGWVTG001006000802	5410439338684	TX 30	12	200	2400
	90	PGWVTG001006000902	5410439338691	TX 30	12	200	1600
	100	PGWVTG001006001002	5410439338707	TX 30	12	100	1600
	120	PGWVTG001006001202	5410439338714	TX 30	12	100	1200
	140	PGWVTG001006001402	5410439338721	TX 30	12	100	1200
	160	PGWVTG001006001602	5410439339636	TX 30	12	100	1200
	180	PGWVTG001006001802	5410439339643	TX 30	12	100	800
	200	PGWVTG001006002002	5410439339650	TX 30	12	100	800

PGWCZV

Chipboard screw with pan head, pozidriv
with full thread, hardened and waxed

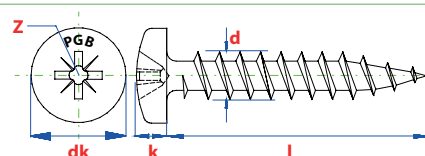
Spaanderplaatschroef met cilinderkop, pozidriv
met volledige draad, gehard en gewaxt

Vis à panneaux tête cylindrique, empreinte pozi
avec filet complet, trempée et lubrifiée

Spanplattenschraube Halbrundkopf, Pozidriv Antrieb
mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWCZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
3,0	10	PGWCZV001003000103	5410439208123	PZ 1	6	200	28800
	12	PGWCZV001003000123	5410439000017	PZ 1	6	200	28800
	16	PGWCZV001003000163	5410439000024	PZ 1	6	200	28800
	20	PGWCZV001003000203	5410439000031	PZ 1	6	200	16000
	25	PGWCZV001003000253	5410439000048	PZ 1	6	200	16000
	30	PGWCZV001003000303	5410439000055	PZ 1	6	200	12000
3,5	12	PGWCZV001003500123	5410439000062	PZ 2	7	200	28800
	16	PGWCZV001003500163	5410439000079	PZ 2	7	200	28800
	20	PGWCZV001003500203	5410439000086	PZ 2	7	200	16000
	25	PGWCZV001003500253	5410439000093	PZ 2	7	200	16000
	30	PGWCZV001003500303	5410439000109	PZ 2	7	200	12000
	35	PGWCZV001003500353	5410439000116	PZ 2	7	200	9600
	40	PGWCZV001003500403	5410439108003	PZ 2	7	200	7200
4,0	12	PGWCZV001004000123	5410439000123	PZ 2	8	200	16000
	16	PGWCZV001004000163	5410439000130	PZ 2	8	200	16000
	20	PGWCZV001004000203	5410439000147	PZ 2	8	200	16000
	25	PGWCZV001004000253	5410439000154	PZ 2	8	200	12000
	30	PGWCZV001004000303	5410439000161	PZ 2	8	200	12000
	35	PGWCZV001004000353	5410439000178	PZ 2	8	200	9600
	40	PGWCZV001004000403	5410439000185	PZ 2	8	200	7200
	45	PGWCZV001004000453	5410439000192	PZ 2	8	200	7200
	50	PGWCZV001004000503	5410439000208	PZ 2	8	200	7200
	60	PGWCZV001004000603	5410439230315	PZ 2	8	200	4800

PGWCZV

Chipboard screw with pan head, pozidriv
with full thread, hardened and waxed

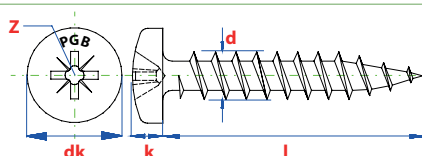
Spaanderplaatschroef met cilinderkop, pozidriv
met volledige draad, gehard en gewaxt

Vis à panneaux tête cylindrique, empreinte pozi
avec filet complet, trempée et lubrifiée

Spanplattenschraube Halbrundkopf, Pozidriv Antrieb
mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWCZV001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
4,5	16	PGWCZV001004500163	5410439000215	PZ 2	9	200	16000
	20	PGWCZV001004500203	5410439000222	PZ 2	9	200	12000
	25	PGWCZV001004500253	5410439000239	PZ 2	9	200	12000
	30	PGWCZV001004500303	5410439000246	PZ 2	9	200	9600
	35	PGWCZV001004500353	5410439000253	PZ 2	9	200	7200
	40	PGWCZV001004500403	5410439000260	PZ 2	9	200	7200
	45	PGWCZV001004500453	5410439000277	PZ 2	9	200	4800
	50	PGWCZV001004500503	5410439000284	PZ 2	9	200	4800
	60	PGWCZV001004500603	5410439428323	PZ 2	9	200	3200
5,0	16	PGWCZV001005000163	5410439000291	PZ 2	10	200	12000
	20	PGWCZV001005000203	5410439000307	PZ 2	10	200	9600
	25	PGWCZV001005000253	5410439000314	PZ 2	10	200	9600
	30	PGWCZV001005000303	5410439000321	PZ 2	10	200	7200
	35	PGWCZV001005000353	5410439000338	PZ 2	10	200	7200
	40	PGWCZV001005000403	5410439000345	PZ 2	10	200	7200
	45	PGWCZV001005000453	5410439000352	PZ 2	10	200	4800
	50	PGWCZV001005000503	5410439000369	PZ 2	10	200	4800
	60	PGWCZV001005000603	5410439000376	PZ 2	10	200	3200
6,0	70	PGWCZV001005000703	5410439204262	PZ 2	10	200	2400
	20	PGWCZV001006000203	5410439428293	PZ 3	12	200	7200
	30	PGWCZV001006000303	5410439321440	PZ 3	12	200	4800
	40	PGWCZV001006000403	5410439000390	PZ 3	12	200	4800
	45	PGWCZV001006000453	5410439000406	PZ 3	12	200	3200
	50	PGWCZV001006000503	5410439000413	PZ 3	12	200	3200
	60	PGWCZV001006000603	5410439000437	PZ 3	12	200	2400
	70	PGWCZV001006000703	5410439208147	PZ 3	12	200	2400
	80	PGWCZV001006000803	5410439208154	PZ 3	12	200	1600

PGWCZG

Chipboard screw with pan head, pozidriv

with partial thread, hardened and waxed

Spaanderplaatschroef met cilinderkop, pozidriv

met gedeeltelijke draad, gehard en gewaxt

Vis à panneaux tête cylindrique, empreinte pozi

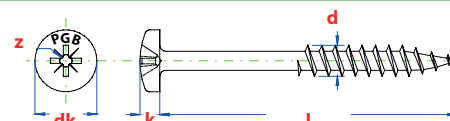
avec filet partiel, trempée et lubrifiée

Spanplattenschraube Halbrundkopf, Pozidriv Antrieb

mit Teilgewinde, gehärtet und gleitbeschichtet



DoP: MWCZG001



d [mm]	l [mm]	Art. Nr.	EAN code	PZ	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
5,0	80	PGWCZG001005000802	5410439000383	PZ 2	10	200	1600
6,0	90	PGWCZG001006000902	5410439208161	PZ 3	12	200	1600
	100	PGWCZG001006001002	5410439428309	PZ 3	12	200	1600

PGWCTV

Chipboard screw with pan head, T-drive

with full thread, hardened and waxed

Spaanderplaatschroef met cilinderkop, T-drive

met volledige draad, gehard en gewaxt

Vis à panneaux tête cylindrique, empreinte étoile-T

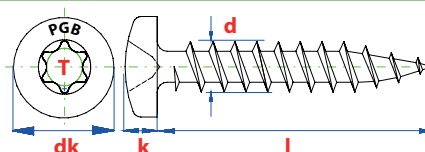
avec filet complet, trempée et lubrifiée

Spanplattenschraube Halbrundkopf, I-Stern Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWCTV001



d [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
3,0	10	PGWCTV001003000103	5410439410472	TX 10	6	200	28800
	12	PGWCTV001003000123	5410439410489	TX 10	6	200	28800
	16	PGWCTV001003000163	5410439410496	TX 10	6	200	28800
	20	PGWCTV001003000203	5410439410502	TX 10	6	200	16000
	25	PGWCTV001003000253	5410439410519	TX 10	6	200	16000
	30	PGWCTV001003000303	5410439410526	TX 10	6	200	12000
	35	PGWCTV001003000353	5410439410533	TX 10	6	200	12000
3,5	12	PGWCTV001003500123	5410439410540	TX 15	7	200	28800
	16	PGWCTV001003500163	5410439410557	TX 15	7	200	28800
	20	PGWCTV001003500203	5410439410564	TX 15	7	200	16000
	25	PGWCTV001003500253	5410439410571	TX 15	7	200	16000
	30	PGWCTV001003500303	5410439410588	TX 15	7	200	12000
	35	PGWCTV001003500353	5410439410595	TX 15	7	200	9600
	40	PGWCTV001003500403	5410439410601	TX 15	7	200	7200
4,0	45	PGWCTV001003500453	5410439410618	TX 15	7	200	7200
	16	PGWCTV001004000163	5410439410625	TX 20	8	200	16000
	20	PGWCTV001004000203	5410439410632	TX 20	8	200	16000
	25	PGWCTV001004000253	5410439410649	TX 20	8	200	12000
	30	PGWCTV001004000303	5410439410656	TX 20	8	200	12000
	35	PGWCTV001004000353	5410439410663	TX 20	8	200	9600
	40	PGWCTV001004000403	5410439410670	TX 20	8	200	7200
	45	PGWCTV001004000453	5410439410687	TX 20	8	200	7200
	50	PGWCTV001004000503	5410439410694	TX 20	8	200	7200
	60	PGWCTV001004000603	5410439410700	TX 20	8	200	4800

PGWCTV

Chipboard screw with pan head, T-drive

with full thread, hardened and waxed

Spaanderplaatschroef met cilinderkop, T-drive

met volledige draad, gehard en gewaxt

Vis à panneaux tête cylindrique, empreinte étoile-T

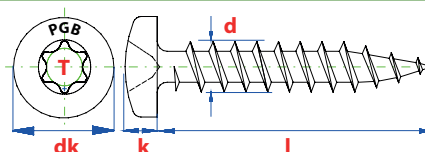
avec filet complet, trempée et lubrifiée

Spanplattenschraube Halbrundkopf, I-Stern Antrieb

mit Vollgewinde, gehärtet und gleitbeschichtet



DoP: MWCTV001



d [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
4,5	16	PGWCTV001004500163	5410439410717	TX 20	9	200	16000
	20	PGWCTV001004500203	5410439410724	TX 20	9	200	12000
	25	PGWCTV001004500253	5410439410731	TX 20	9	200	12000
	30	PGWCTV001004500303	5410439410748	TX 20	9	200	9600
	35	PGWCTV001004500353	5410439410755	TX 20	9	200	7200
	40	PGWCTV001004500403	5410439410762	TX 20	9	200	7200
	45	PGWCTV001004500453	5410439410779	TX 20	9	200	4800
	50	PGWCTV001004500503	5410439410786	TX 20	9	200	4800
	60	PGWCTV001004500603	5410439410793	TX 20	9	200	3200
5,0	20	PGWCTV001005000203	5410439410809	TX 25	10	200	9600
	25	PGWCTV001005000253	5410439410816	TX 25	10	200	9600
	30	PGWCTV001005000303	5410439410823	TX 25	10	200	7200
	35	PGWCTV001005000353	5410439410830	TX 25	10	200	7200
	40	PGWCTV001005000403	5410439410847	TX 25	10	200	7200
	45	PGWCTV001005000453	5410439410854	TX 25	10	200	4800
	50	PGWCTV001005000503	5410439410861	TX 25	10	200	4800
	60	PGWCTV001005000603	5410439410878	TX 25	10	200	3200
6,0	30	PGWCTV001006000303	5410439410885	TX 30	12	200	4800
	35	PGWCTV001006000353	5410439410892	TX 30	12	200	7200
	40	PGWCTV001006000403	5410439410908	TX 30	12	200	4800
	45	PGWCTV001006000453	5410439410915	TX 30	12	200	3200
	50	PGWCTV001006000503	5410439410922	TX 30	12	200	3200
	60	PGWCTV001006000603	5410439410939	TX 30	12	200	2400

PGWCTG

Chipboard screw with pan head, T-drive

with partial thread, hardened and waxed

Spaanderplaatschroef met cilinderkop, T-drive

met gedeeltelijke draad, gehard en gewaxt

Vis à panneaux tête cylindrique, empreinte étoile-T

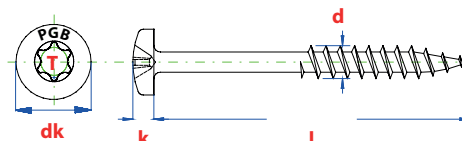
avec filet partiel, trempée et lubrifiée

Spanplattenschraube Halbrundkopf, I-Stern Antrieb

mit Teilgewinde, gehärtet und gleitbeschichtet



DoP: MWCTG001



d [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
STANDARD PACKING - STANDAARDVERPAKKING - EMBALLAGE STANDARD - NORMALPACKUNG							
5,0	80	PGWCTG001005000802	5410439589154	TX 25	10	200	1600
6,0	80	PGWCTG001006000802	5410439589161	TX 30	12	200	1600
	90	PGWCTG001006000902	5410439589178	TX 30	12	200	1600
	100	PGWCTG001006001002	5410439589185	TX 30	12	200	1600