

SYMPAFIX®

serious fixings



catalogue

20
21



Highrise projects



Housing projects



Civil projects



serious fixings

Copyright © 2019 Sympatix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.

'Serious
projects
require
serious
fixings.'



Commercial projects

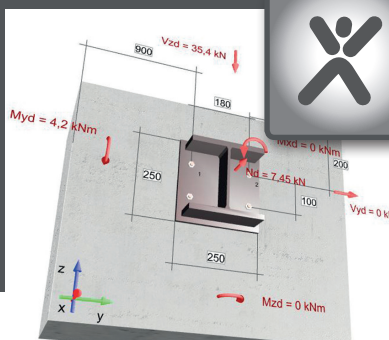


Contents

Chemicals	8
Anchors	26
Screws	48
Nails	54
Tools	68



Sympafix Engineer - Anchor calculation software



Experienced and competent customer service



International dealer network

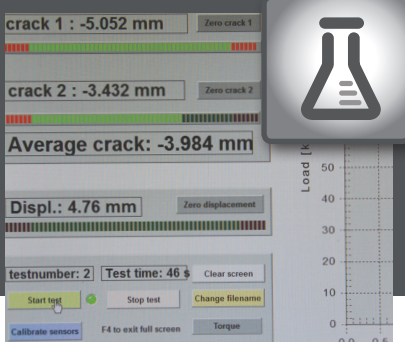


serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.

'Serious
fixings
mean more
than just
fixings.'

Serious anchor test facilities



Logistics centre to ensure complete and timely delivery



Serious gas technology



'Serious fixings designed for specific construction trades.'

Main contracting



General contracting



Drywall



Concrete work



Concrete drilling





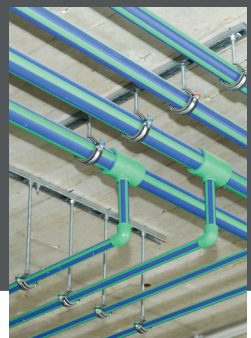
Roofing

Civil

Engineering

Electrical

Plumbing





SYMPAFIX
X CHEMICALS

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



'4 serious chemicals for any type of application'

CONTENTS

PAGE

X150+PLUS Extreme	10
UC200-PLUS Ultrabond	12
C100-PLUS Concrete	14
M50-PLUS Multibase	16
Cartridge guns	18
Nozzles and sleeves	20
Glass capsules, steel rods and threaded rods	21
Drill hole cleaning brushes and blow pumps	26
Piston Plugs	27



Technical Brochure



Tested and approved

X150+PLUS

FEATURES

- ETA approved for applications under **seismic** action, category C1 and category C2
- ETA Option 1 approval for use of threaded rods and rebar in **cracked and uncracked concrete**,
- ETA TR023 approval for **post installed rebar** applications, including in **diamond drilled holes**
- ETA approved for **overhead installation** and **waterfilled drillholes**

BENEFITS

- Approved for **shallow as well as (very) deep** drillholes
- Designed for **extreme applications**, f.e. rebar or threaded rod in waterfilled diamond drilled holes
- **Shrink** free
- Approved for the use in **three temperature ranges**
- Longer setting time allows for **flexibility** during installation

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



European Technical Approvals




0756-CPD-0471
ETA-19/0513
ETAG 001
Option 1
Seismic application category C1 and C2

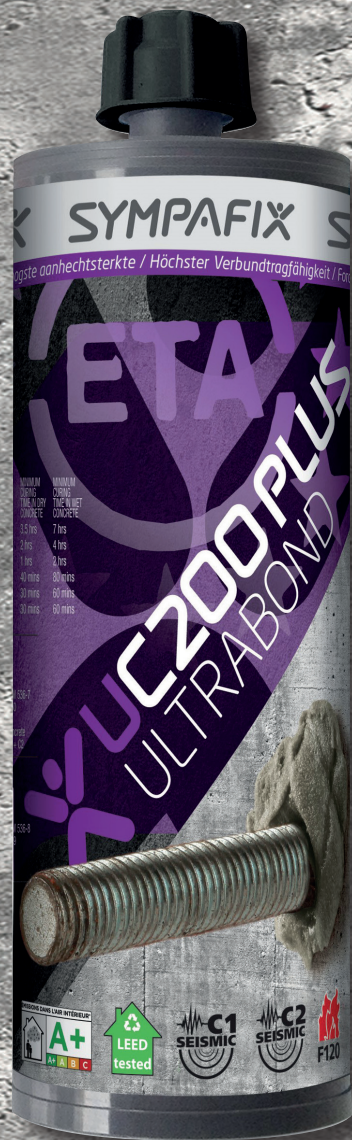


0756-CPD-0570
ETA-19/0514
TR023
Post Installed Rebar



Extreme pure epoxy resin anchor **X150+PLUS**

Type	Art. Nr.	 QTY	 QTY	 71160 QTY	ML		
X150+PLUS 385ML	71098	1	15	1	385		
X150+PLUS 585ML	71100	1	15	1	585		
X150+PLUS 1400ML	71102	1	5	1	1400		



C100-PLUS Tested and approved



UC200-PLUS ULTRABOND

FEATURES

- ETA approved for applications under seismic action, **category C1 and category C2**
- ETA Option 1 approval for use of threaded rods and rebar in **cracked and uncracked concrete**
- ETA TR023 approval for **post installed rebar** applications
- Approved in **hammerdrilled, airdrilled and hollow drillbit** drillholes
- ETA approved for **overhead installation** and **waterfilled drillholes**

BENEFITS

- **Spectacular bond strengths** up to 81% increase in cracked and 127% in noncracked concrete compared to C100-PLUS
- Approved for **shallow as well as (very) deep** drillholes
- Approved for up to 45% **smaller edge distances**
- Approved for the use in **three temperature ranges, up to 160°C**
- **Up to 30% faster curing time**
- Approved for use with threaded rods in **all common steelclasses**
- **No drillhole cleaning** required when using hollow drillbits

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.






European Technical Approvals

1343-CPR-M 536-7
ETA-17/0650
ETAG 001
Option 1
Seismic C1 and C2



1343-CPR-M 536-8
ETA-17/0649
TR023
Post Installed Rebar



Type	Art. Nr.	 QTY	 QTY	 71156 QTY	ML
UC200-PLUS 420ML	71132	1	15	1	420



Technical Brochure



C100-PLUS

Tested and approved



C100-PLUS

FEATURES

- ETA approved for applications under **seismic** action, category C1
- ETA Option 1 approval for use of threaded rods and rebar in **cracked and uncracked concrete**
- ETA TR029 approved for **brickwork and masonry**
- ETA TR023 **approval for post installed rebar** applications
- ETA approved **for overhead installation** and **waterfilled drillholes**

BENEFITS

- Approved for **shallow as well as (very) deep** drillholes
- Designed for **almost any application**; threaded rods and rebar, concrete and masonry, dry and waterfilled holes, low and high temperatures
- Approved for concrete temperatures from **-10°C**
- Short curing time allows for the anchor to be loaded **quickly**
- **High performance fast curing** vinylester anchor
- **Approved** for use with threaded rods in steelclasses 4.6, 5.8 and 8.8 as well as stainless steel

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



European Technical Approvals

0756-CPD-0472
ETA-12/0169
ETAG 001
Option 1
Seismic application category C1








0756-CPD-0473
ETA-12/0170
TR023
Post Installed Rebar



0756-CPD-0550
ETA-13/0265
TR029
Masonry



Concrete vinylester resin anchor **C100-PLUS**

Type	Art. Nr.				ML		QTY		QTY
		QTY	QTY	QTY		Art. Nr.		Art. Nr.	
C100-PLUS 150ML	71108	1	20	1	150				
C100-PLUS 300ML	71110	1	20	1	300	71402	20	71422	4
C100-PLUS 360ML	71112	1	15	1	360				
C100-PLUS 420ML	71114	1	15	1	420	71406	20	71424	4
C100-PLUS 825ML	71116	1	9	1	825				

* The Startkit contains 4 cartridges, a cartridge gun, brushes, blowpump, mesh sleeves in a stackable stockbox.



Technical Brochure



Tested and approved

M50-PLUS

FEATURES

- ETA Option 7 approval for use of **threaded rods in uncracked concrete**
- ETA TR029 approved for **brickwork and masonry**
- ETA approved for **overhead installation** and **waterfilled drillholes**

BENEFITS

- **Approved for most common applications:** threaded rods in concrete and masonry
- Approved for concrete temperatures from **-5°C**
- Short curing time allows for the anchor to be loaded **quickly**
- **High performance fast curing** epoxy acrylate anchor
- **Approved** for use with threaded rods in steelclasses 4.6, 4.8, 5.8 and 8.8 as well as stainless steel

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



European Technical Approvals






0756-CPD-0488
ETA-12/0205
ETAG 001
Option 7



0756-CPD-0479
ETA-13/0326
TR029
Masonry



Multi-Base epoxy acrylate resin anchor **M50-PLUS**

Type	Art. Nr.	 QTY	 QTY	 71158 QTY	ML	 Stockbox	Art. Nr.	QTY	 Startkit*	Art. Nr.	QTY
M50-PLUS 300ML	71122	1	20	1	300	71404	20		71426	4	
M50-PLUS 360ML	71124	1	15	1	360						
M50-PLUS 410ML	71126	1	15	1	410	71408	20		71428	4	

* The Startkit contains 4 cartridges, a cartridge gun, brushes, blowpump, mesh sleeves in a stackable stockbox.







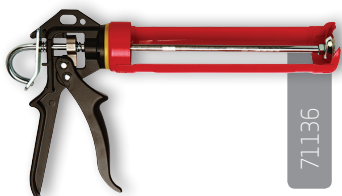
' High performance chemicals perform best with serious quality cartridge guns '



71128






385ML & 585ML **X150+PLUS** manual cartridge gun

Type	Art. Nr.	 QTY	 QTY			 ML
CG-585PLUS	71128	1		X150+PLUS		385+585



71136






300ML **C100-PLUS** & **M50-PLUS** manual cartridge gun

Type	Art. Nr.	 QTY	 QTY			 ML
CG-300	71136	1		C100-PLUS	M50-PLUS	300



71138

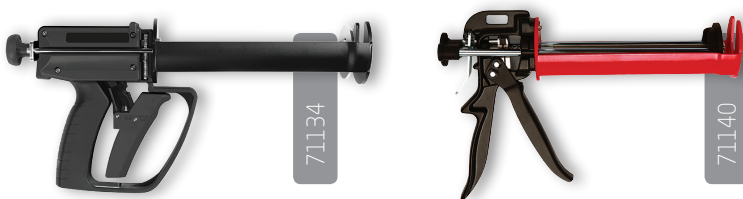
345ML & 360ML **C100-PLUS** & **M50-PLUS** manual cartridge gun

Type	Art. Nr.	 QTY	 QTY			 ML
CG-345	71138	1		C100-PLUS	M50-PLUS	345+360









Cartridge Guns

To install the Sympafix line of chemical anchors comfortably, **quickly and correctly**, a **wide range** of quality cartridge guns is available. The range consists of standard manual tools, **battery tools** designed for serial work and pneumatic tools for large volume applications.









410ML & 420ML **UC200-PLUS**, **C100-PLUS** & **M50-PLUS** manual cartridge guns

Type	Art. Nr.	 QTY	 QTY				 ML	
CG420-PLUS	71134	1		UC200-PLUS	C100-PLUS	M50-PLUS	410 + 420	
CG-420	71140	1		UC200-PLUS	C100-PLUS	M50-PLUS	410 + 420	









300ML & 420ML **UC200-PLUS**, **C100-PLUS** & **M50-PLUS** battery cartridge guns

Type	Art. Nr.	 QTY	 QTY				 ML	
CG-BAT300	71142	1			C100-PLUS	M50-PLUS	300	
CG-BAT420	71144	1		UC200-PLUS	C100-PLUS	M50-PLUS	410 + 420	



420ML, 825ML & 1400ML pneumatic **X150+PLUS**, **UC200-PLUS**, **C100-PLUS** & **M50-PLUS** cartridge guns

Type	Art. Nr.	 QTY	 QTY				 ML	
CG-PNEUM420	71150	1		UC200-PLUS	C100-PLUS	M50-PLUS	410 + 420	
CG-PNEUM825	71146	1			C100-PLUS		825	
CG-1400 PNEUM	71130	1			X150+PLUS		1400	



Mixing nozzles

For the Sympafix line of chemical anchors **special designed mixing nozzles** are available. The nozzles are designed to ensure **proper mixing** and to safeguard **quick and correct extrusion**. Each cartridge size in the extreme, ultrabond, concrete and multibase lines **use specific mixing nozzles**. For **deeper rebar applications nozzle extensions** are available.

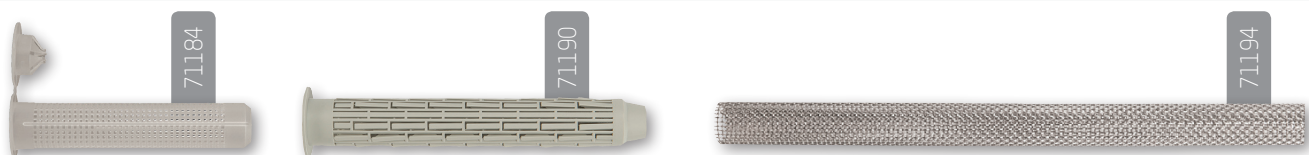
Plastic and steel mesh sleeve

For using Sympafix chemical anchors in **brickwork and hollow** material, specific designed **plastic and metal sleeves** are available that ensure proper installation. The mortar that protrudes through the holes forms a **good grip on the base material**. The plastic sleeves have a fixed length, and the one meter metal sleeves **cut to the required length**.



Red mixing nozzle, Black mixing nozzles and Extensions

Type	Art. Nr.	QTY	QTY	for
X150-PLUS RED MIXING NOZZLE				
NOZZLE-RED-18	71160	10	100	X150+PLUS
UC200-PLUS MIXING NOZZLE				
NOZZLE-SQUARE-UC200	71156	10	100	UC200-PLUS
BLACK MIXING NOZZLE				
NOZZLE-BLACK-14	71158	10	100	All cartridges EXCEPT X150+PLUS and UC200-PLUS
MIXING NOZZLE EXTENSIONS				
EXTENSION-200MM	71162	10		All nozzles
EXTENSION-500MM	71164	10		All nozzles
EXTENSION-1000MM	71166	1		All nozzles
EXTENSION-2000MM	71168	1		All nozzles



Plastic sleeves, PSM-PRO plastic sleeves and One meter mesh sleeves

Type	Art. Nr.	QTY	QTY	mm	mm	M
PLASTIC SLEEVES						
PS-M6/M8-80	71184	10		12	80	M8
PS-M8/M12-85	71186	10		16	85	M8+M12
PS-M12/M16-85	71188	10		20	85	M12+M16
PSM-PRO PLASTIC SLEEVES						
PS-PLUS13x100	71190	10		13	100	M8
PS-PLUS15x100	71192	10		15	100	M10+M12
ONE METER MESH SLEEVES						
MS121000	71194	1	50	12	1000	M8
MS161000	71196	1	50	16	1000	M10+M12
MS201000	71198	1	25	20	1000	M16



European Technical Approvals

B-1109-CPR-0089
ETA-14/0309
ETAG 001
Option 7
M8-M30



Tested and approved



Glass capsules and steel rods

FEATURES

- **ETA option 7** for uncracked concrete
- Approved for 2 temperature ranges, namely **24°C/40°C** and **50°C/80°C**
- Approved also for **standard threaded rod** (cut to length with 1 side under angle)
- Suitable for **diamond cored holes**

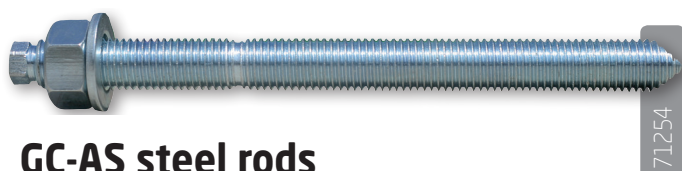
BENEFITS

- No injection needed, so **quick installation**
- **Exact dosing**, so no waste of material
- Usable under **many weather conditions**, also in wet drill holes
- **Styrenefree and odourless**
- **No geltime restrictions**



GC-PLUS glass capsules

Type	Art. Nr.	QTY	QTY	mm	M	h _{nom} mm
GC-PLUS M8	71170	10	500	10	M8	80
GC-PLUS M10	71172	10	500	12	M10	90
GC-PLUS M12	71174	10	200	14	M12	110
GC-PLUS M16	71176	10	200	18	M16	125
GC-PLUS M20	71178	10	150	22	M20	170
GC-PLUS M24	71180	5	100	26	M24	210



GC-AS steel rods

Type	Art. Nr.	QTY	QTY	mm	mm	h _{nom} mm
ZINC PLATED						
GC-AS8110	71254	10		10	110	80
GC-AS10130	71256	10		12	130	90
GC-AS12160	71258	10		14	160	110
GC-AS16190	71260	10		18	190	125
GC-AS20260	71262	10		22	260	170
GC-AS24300	71264	5		26	300	210
A4 STAINLESS STEEL						
GC-AS8110SS	71266	10		10	110	80
GC-AS10130SS	71268	10		12	130	90
GC-AS12160SS	71270	10		14	160	110
GC-AS16190SS	71272	10		18	190	125
GC-AS20260SS	71274	10		22	260	170
GC-AS24300SS	71276	5		26	300	210



Tailor made threaded rods, 4.8 steel, M6 - M20

The grade designation of the mechanical properties of threaded rods consists out of two numbers separated by a point (for example, 8.8). The number in front of the point corresponds to 1/100 of the nominal tensile strength in N / mm². In the case of 4.8: 4x100 = 400N / mm². The nominal tensile strength is the maximum mechanical tension that can be reached by the steel as it is plastically deformed. Multiplication of the two numbers results into 1/10 of the nominal yield strength. For 4.8 the yield strength can thus be calculated as 4x8x10 = 320N / mm². The yield strength corresponds with the load at which the steel starts to deform plastically. The "elasticity" of the steel has reached its limit. A constructive engineer will not design structures where the material is loaded above the yield strength. When ordering tailor made threaded rods, please clearly indicate the exact desired length.



Threaded rods 4.8 Steel (zinc plated)

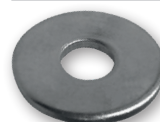
Type	Art.nr.	QTY	Steel grade
M6x50-100	90600	20	4.8, DIN 976
M6x101-125	90605	16	4.8, DIN 976
M6x126-140	90610	14	4.8, DIN 976
M6x141-165	90615	12	4.8, DIN 976
M6x166-200	90620	10	4.8, DIN 976
M6x201-250	90625	8	4.8, DIN 976
M6x251-330	90630	6	4.8, DIN 976
M6x331-500	90635	4	4.8, DIN 976
M6x501-999	90640	2	4.8, DIN 976
M6x1000	90645	2	4.8, DIN 976
M8x50-100	90800	20	4.8, DIN 976
M8x101-125	90805	16	4.8, DIN 976
M8x126-140	90810	14	4.8, DIN 976
M8x141-165	90815	12	4.8, DIN 976
M8x166-200	90820	10	4.8, DIN 976
M8x201-250	90825	8	4.8, DIN 976
M8x251-330	90830	6	4.8, DIN 976
M8x331-500	90835	4	4.8, DIN 976
M8x501-999	90840	2	4.8, DIN 976
M8x1000	90845	2	4.8, DIN 976
M10x50-100	91000	10	4.8, DIN 976
M10x101-125	91005	8	4.8, DIN 976
M10x126-140	91010	7	4.8, DIN 976
M10x141-165	91015	6	4.8, DIN 976
M10x166-200	91020	5	4.8, DIN 976
M10x201-250	91025	4	4.8, DIN 976
M10x251-330	91030	3	4.8, DIN 976
M10x331-500	91035	2	4.8, DIN 976
M10x501-999	91040	2	4.8, DIN 976
M10x1000	91045	2	4.8, DIN 976

Type	Art.nr.	QTY	Steel grade
M12x50-100	91200	10	4.8, DIN 976
M12x101-125	91205	8	4.8, DIN 976
M12x126-140	91210	7	4.8, DIN 976
M12x141-165	91215	6	4.8, DIN 976
M12x166-200	91220	5	4.8, DIN 976
M12x201-250	91225	4	4.8, DIN 976
M12x251-330	91230	3	4.8, DIN 976
M12x331-500	91235	2	4.8, DIN 976
M12x501-999	91240	2	4.8, DIN 976
M12x1000	91245	2	4.8, DIN 976
M16x50-100	91600	10	4.8, DIN 976
M16x101-125	91605	8	4.8, DIN 976
M16x126-140	91610	7	4.8, DIN 976
M16x141-165	91615	6	4.8, DIN 976
M16x166-200	91620	5	4.8, DIN 976
M16x201-250	91625	4	4.8, DIN 976
M16x251-330	91630	3	4.8, DIN 976
M16x331-500	91635	2	4.8, DIN 976
M16x501-999	91640	2	4.8, DIN 976
M16x1000	91645	2	4.8, DIN 976
M20x50-100	92000	10	4.8, DIN 976
M20x101-125	92005	8	4.8, DIN 976
M20x126-140	92010	7	4.8, DIN 976
M20x141-165	92015	6	4.8, DIN 976
M20x166-200	92020	5	4.8, DIN 976
M20x201-250	92025	4	4.8, DIN 976
M20x251-330	92030	3	4.8, DIN 976
M20x331-500	92035	2	4.8, DIN 976
M20x501-999	92040	2	4.8, DIN 976
M20x1000	92045	2	4.8, DIN 976



Nuts (zinc plated)

Type	Art.nr.	QTY	Steel grade
NUT ZP. M6	93061	a.o.	DIN 934/8
NUT ZP. M8	93081	1	DIN 934/8
NUT ZP. M10	93101	1	DIN 934/8
NUT ZP. M12	93121	1	DIN 934/8
NUT ZP. M16	93161	1	DIN 934/8
NUT ZP. M20	93201	1	DIN 934/8



Washers (zinc plated)

Type	Art.nr.	QTY	Steel grade
WASHER ZP. M6 (6.4X12X1.6)	93062	a.o.	DIN125A
WASHER ZP. M8 (8.4X16X1.6)	93082	1	DIN125A
WASHER ZP. M10 (10.5X20X2.0)	93102	1	DIN125A
WASHER ZP. M12 (13.0X24X2.5)	93122	1	DIN125A
WASHER ZP. M16 (17.0X30X3.0)	93162	1	DIN125A
WASHER ZP. M20 (21.0X37X3.0)	93202	1	DIN125A

Attention: Cutting threaded rods is done manually. Length deviations up to plus or minus 5 mm are possible



Tailor made threaded rods, 8.8 steel, M6 - M20

The grade designation of the mechanical properties of threaded rods consists out of two numbers separated by a point (for example, 8.8). The number in front of the point corresponds to 1/100 of the nominal tensile strength in N / mm². In the case of 8.8: 8x100 = 800N / mm². The nominal tensile strength is the maximum mechanical tension that can be reached by the steel as it is plastically deformed. Multiplication of the two numbers results into 1/10 of the nominal yield strength. For 8.8 the yield strength can thus be calculated as 8x8x10 = 640N / mm². The yield strength corresponds with the load at which the steel starts to deform plastically. The "elasticity" of the steel has reached its limit. A constructive engineer will not design structures where the material is loaded above the yield strength. When ordering tailor made threaded rods, please clearly indicate the exact desired length.



Threaded rods 8.8 Steel (zinc plated)

Type	Art.nr.	QTY	Steel grade
M6x50-100	80600	20	8.8, DIN 976
M6x101-125	80605	16	8.8, DIN 976
M6x126-140	80610	14	8.8, DIN 976
M6x141-165	80615	12	8.8, DIN 976
M6x166-200	80620	10	8.8, DIN 976
M6x201-250	80625	8	8.8, DIN 976
M6x251-330	80630	6	8.8, DIN 976
M6x331-500	80635	4	8.8, DIN 976
M6x501-999	80640	2	8.8, DIN 976
M6x1000	80645	2	8.8, DIN 976
M8x50-100	80800	20	8.8, DIN 976
M8x101-125	80805	16	8.8, DIN 976
M8x126-140	80810	14	8.8, DIN 976
M8x141-165	80815	12	8.8, DIN 976
M8x166-200	80820	10	8.8, DIN 976
M8x201-250	80825	8	8.8, DIN 976
M8x251-330	80830	6	8.8, DIN 976
M8x331-500	80835	4	8.8, DIN 976
M8x501-999	80840	2	8.8, DIN 976
M8x1000	80845	2	8.8, DIN 976
M10x50-100	81000	10	8.8, DIN 976
M10x101-125	81001	8	8.8, DIN 976
M10x126-140	81002	7	8.8, DIN 976
M10x141-165	81004	6	8.8, DIN 976
M10x166-200	81006	5	8.8, DIN 976
M10x201-250	81007	4	8.8, DIN 976
M10x251-330	81028	3	8.8, DIN 976
M10x331-500	81009	2	8.8, DIN 976
M10x501-999	81018	2	8.8, DIN 976
M10x1000	81022	2	8.8, DIN 976

Type	Art.nr.	QTY	Steel grade
M12x50-100	81200	10	8.8, DIN 976
M12x101-125	81205	8	8.8, DIN 976
M12x126-140	81210	7	8.8, DIN 976
M12x141-165	81215	6	8.8, DIN 976
M12x166-200	81220	5	8.8, DIN 976
M12x201-250	81225	4	8.8, DIN 976
M12x251-330	81230	3	8.8, DIN 976
M12x331-500	81235	2	8.8, DIN 976
M12x501-999	81240	2	8.8, DIN 976
M12x1000	81245	2	8.8, DIN 976
M16x50-100	81600	10	8.8, DIN 976
M16x101-125	81605	8	8.8, DIN 976
M16x126-140	81610	7	8.8, DIN 976
M16x141-165	81615	6	8.8, DIN 976
M16x166-200	81620	5	8.8, DIN 976
M16x201-250	81625	4	8.8, DIN 976
M16x251-330	81630	3	8.8, DIN 976
M16x331-500	81635	2	8.8, DIN 976
M16x501-999	81640	2	8.8, DIN 976
M16x1000	81645	2	8.8, DIN 976
M20x50-100	82000	10	8.8, DIN 976
M20x101-125	82005	8	8.8, DIN 976
M20x126-140	82010	7	8.8, DIN 976
M20x141-165	82015	6	8.8, DIN 976
M20x166-200	82020	5	8.8, DIN 976
M20x201-250	82025	4	8.8, DIN 976
M20x251-330	82030	3	8.8, DIN 976
M20x331-500	82035	2	8.8, DIN 976
M20x501-999	82040	2	8.8, DIN 976
M20x1000	82045	2	8.8, DIN 976



Nuts (zinc plated)

Type	Art.nr.	QTY	Steel grade
NUT ZP. M6	93061	o.a.	DIN 934/8
NUT ZP. M8	93081	1	DIN 934/8
NUT ZP. M10	93101	1	DIN 934/8
NUT ZP. M12	93121	1	DIN 934/8
NUT ZP. M16	93161	1	DIN 934/8
NUT ZP. M20	93201	1	DIN 934/8



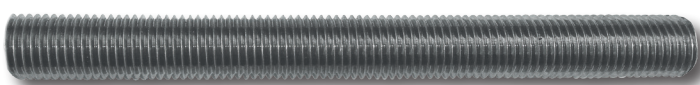
Washers (zinc plated)

Type	Art.nr.	QTY	Steel grade
WASHER ZP. M6 (6.4X12X1.6)	93062	o.a.	DIN125A
WASHER ZP. M8 (8.4X16X1.6)	93082	1	DIN125A
WASHER ZP. M10 (10.5X20X2.0)	93102	1	DIN125A
WASHER ZP. M12 (13.0X24X2.5)	93122	1	DIN125A
WASHER ZP. M16 (17.0X30X3.0)	93162	1	DIN125A
WASHER ZP. M20 (21.0X37X3.0)	93202	1	DIN125A



Tailor made threaded rods, A2 stainless steel, M8 - M16

Stainless A2 and A4 steel are both corrosion resistant steel types. Stainless steel threaded rods are always 'greased' to prevent cold welding. When the threaded rod is installed in combination with a chemical mortar, the rods therefore need to be degreased. Sympafix carries this out on request. The 'standard' grade A2 stainless steel (SS304) usually consists of 8 to 13 percent nickel and 17 to 20 percent chromium. A4 stainless steel (stainless steel 316) consists of 10 to 14 percent nickel, 16 to 18.5% of chromium, and also 2 to 3% of the element molybdenum. The molybdenum provides additional resistance to pit corrosion, and to some extent it enhances self-lubricating effect. Remember to always use stainless steel installation tools, in order to prevent contact corrosion. When ordering tailor made threaded rods, please clearly indicate the exact desired length.



Threaded rods Stainless steel A2

Type	Art.nr.	QTY	Steel grade
M8x50-100	90850	20	ST. A2
M8x101-125	90855	16	ST. A2
M8x126-140	90860	14	ST. A2
M8x141-165	90865	12	ST. A2
M8x166-200	90870	10	ST. A2
M8x201-250	90875	8	ST. A2
M8x251-330	90880	6	ST. A2
M8x331-500	90885	4	ST. A2
M8x501-999	90890	2	ST. A2
M8x1000	90895	2	ST. A2
M10x50-100	91050	10	ST. A2
M10x101-125	91055	8	ST. A2
M10x126-140	91060	7	ST. A2
M10x141-165	91065	6	ST. A2
M10x166-200	91070	5	ST. A2
M10x201-250	91075	4	ST. A2
M10x251-330	91080	3	ST. A2
M10x331-500	91085	2	ST. A2
M10x501-999	91090	2	ST. A2
M10x1000	91095	2	ST. A2
M12x50-100	91250	10	ST. A2
M12x101-125	91255	8	ST. A2
M12x126-140	91260	7	ST. A2
M12x141-165	91265	6	ST. A2
M12x166-200	91270	5	ST. A2
M12x201-250	91275	4	ST. A2
M12x251-330	91280	3	ST. A2
M12x331-500	91285	2	ST. A2
M12x501-999	91290	2	ST. A2
M12x1000	91295	2	ST. A2

Type	Art.nr.	QTY	Steel grade
M16x50-100	91650	10	ST. A2
M16x101-125	91655	8	ST. A2
M16x126-140	91660	7	ST. A2
M16x141-165	91665	6	ST. A2
M16x166-200	91670	5	ST. A2
M16x201-250	91675	4	ST. A2
M16x251-330	91680	3	ST. A2
M16x331-500	91685	2	ST. A2
M16x501-999	91690	2	ST. A2
M16x1000	91695	2	ST. A2



Nuts (Stainless steel A2)

Type	Art.nr.	QTY	Steel grade
NUTS ST. A2 M8	93083	1	ST. A2 DIN 934
NUTS ST. A2 M10	93103	1	ST. A2 DIN 934
NUTS ST. A2 M12	93123	1	ST. A2 DIN 934
NUTS ST. A2 M16	93163	1	ST. A2 DIN 934



Washers (Stainless steel A2)

Type	Art.nr.	QTY	Steel grade
WASHER ST. A2 M8	93084	1	ST. A2 DIN 125A
WASHER ST. A2 M10	93104	1	ST. A2 DIN 125A
WASHER ST. A2 M12	93124	1	ST. A2 DIN 125A
WASHER ST. A2 M16	93164	1	ST. A2 DIN 125A

Attention: Cutting threaded rods is done manually. Length deviations up to plus or minus 5 mm are possible

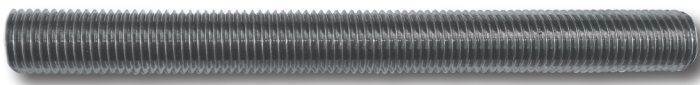
serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



Tailor made threaded rods, A2 stainless steel, M8 - M16

Stainless A2 and A4 steel are both corrosion resistant steel types. Stainless steel threaded rods are always 'greased' to prevent cold welding. When the threaded rod is installed in combination with a chemical mortar, the rods therefore need to be degreased. Sympafix carries this out on request. The 'standard' grade A2 stainless steel (SS304) usually consists of 8 to 13 percent nickel and 17 to 20 percent chromium. A4 stainless steel (stainless steel 316) consists of 10 to 14 percent nickel, 16 to 18.5% of chromium, and also 2 to 3% of the element molybdenum. The molybdenum provides additional resistance to pit corrosion, and to some extent it enhances self-lubricating effect. Remember to always use stainless steel installation tools, in order to prevent contact corrosion. When ordering tailor made threaded rods, please clearly indicate the exact desired length.



Threaded rods Stainless steel A4

Type	Art.nr.	QTY	Steel grade
M6x50-100	80650	20	ST. A4
M6x101-125	80655	16	ST. A4
M6x126-140	80660	14	ST. A4
M6x141-165	80665	12	ST. A4
M6x166-200	80670	10	ST. A4
M6x201-250	80675	8	ST. A4
M6x251-330	80680	6	ST. A4
M6x331-500	80685	4	ST. A4
M6x501-999	80690	2	ST. A4
M6x1000	80695	2	ST. A4
M8x50-100	80850	20	ST. A4
M8x101-125	80855	16	ST. A4
M8x126-140	80860	14	ST. A4
M8x141-165	80865	12	ST. A4
M8x166-200	80870	10	ST. A4
M8x201-250	80875	8	ST. A4
M8x251-330	80880	6	ST. A4
M8x331-500	80885	4	ST. A4
M8x501-999	80890	2	ST. A4
M8x1000	80895	2	ST. A4
M10x50-100	81050	10	ST. A4
M10x101-125	81055	8	ST. A4
M10x126-140	81060	7	ST. A4
M10x141-165	81065	6	ST. A4
M10x166-200	81070	5	ST. A4
M10x201-250	81075	4	ST. A4
M10x251-330	81080	3	ST. A4
M10x331-500	81085	2	ST. A4
M10x501-999	81090	2	ST. A4
M10x1000	81095	2	ST. A4

Type	Art.nr.	QTY	Steel grade
M12x50-100	81250	10	ST. A4
M12x101-125	81255	8	ST. A4
M12x126-140	81260	7	ST. A4
M12x141-165	81265	6	ST. A4
M12x166-200	81270	5	ST. A4
M12x201-250	81275	4	ST. A4
M12x251-330	81280	3	ST. A4
M12x331-500	81285	2	ST. A4
M12x501-999	81290	2	ST. A4
M12x1000	81295	2	ST. A4
M16x50-100	81650	10	ST. A4
M16x101-125	81655	8	ST. A4
M16x126-140	81660	7	ST. A4
M16x141-165	81665	6	ST. A4
M16x166-200	81670	5	ST. A4
M16x201-250	81675	4	ST. A4
M16x251-330	81680	3	ST. A4
M16x331-500	81685	2	ST. A4
M16x501-999	81690	2	ST. A4
M16x1000	81695	2	ST. A4



Nuts (Stainless steel A4)

Type	Art.nr.	QTY	Steel grade
NUTS ST. A4 M6	93065	1	ST.A4 DIN 934
NUTS ST. A4 M8	93085	1	ST.A4 DIN 934
NUTS ST. A4 M10	93105	1	ST.A4 DIN 934
NUTS ST. A4 M12	93125	1	ST.A4 DIN 934
NUTS ST. A4 M16	93165	1	ST.A4 DIN 934



Washers (Stainless steel A4)

Type	Art.nr.	QTY	Steel grade
WASHER ST. A4 M6	93066	1	ST. A4 DIN 125A
WASHER ST. A4 M8	93086	1	ST. A4 DIN 125A
WASHER ST. A4 M10	93106	1	ST. A4 DIN 125A
WASHER ST. A4 M12	93126	1	ST. A4 DIN 125A
WASHER ST. A4 M16	93166	1	ST. A4 DIN 125A



Hand brushes



Steel brushes



Drill Hole Cleaning Brushes




Proper **hole cleaning** is mandatory for the **proper installation** of every chemical anchor.

The range of steel brushes is designed to obtain the **best results** of the Sympafix line of chemical anchors.

Extensions for the steel brushes make **deep drill hole** cleaning possible, for example for **post installed rebar** applications.









Hand Brushes

Type	Art. Nr.	 QTY	 QTY				 M	
BR 8-10MM	71204	1					M8+M10	
BR 10-14MM	71206	1					M10-M14	
BR 16-18MM	71208	1					M16-M18	



SDS Steel Brushes

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 M	 rebar	
BRSDS CONNECTOR	71210	1	20					
BRSDS 300MM EXTENSION	71212	1	20					
BRSDS 12MM Steel Brush	71214	1	10	12	10	M8		
BRSDS 14MM Steel Brush	71216	1	10	14	12	M10	8	
BRSDS 16MM Steel Brush	71218	1	10	16	14	M12	10	
BRSDS 18MM Steel Brush	71220	1	10	18	16		12	
BRSDS 20MM Steel Brush	71222	1	10	20	18	M16	14	
BRSDS 22MM Steel Brush	71224	1	10	22	20		16	
BRSDS 26 MM Steel Brush	71226	1	10	26	24	M20	20	
BRSDS 30 MM Steel Brush	71228	1	10	30	28	M24		
BRSDS 34 MM Steel Brush	71230	1	10	34	32	M27	25	
BRSDS 37 MM Steel Brush	71232	1	10	37	35	M30	28	
BRSDS 42 MM Steel Brush	71234	1	10	42	40		32	



Blow pumps



Piston plugs

Drill Hole Cleaning Blow Pumps




Also **blowing out** the anchorhole with compressed air is **crucial** for the correct and **safe installation** of a chemical anchor. Sympafix has 2 blowpumps in its assortment, each with a different air volume.

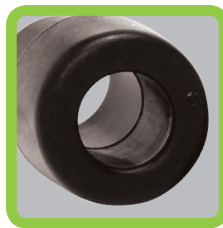
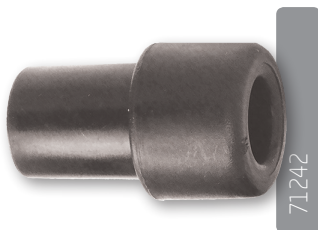
Piston Plugs

To fill holes correctly and to **avoid air pockets**, piston plugs are available. The piston plugs are placed on a **flexible small hose** and are pushed back to opening by the injected mortar. Especially for horizontal and overhead applications.







Blow Pumps

Type	Art. Nr.	 QTY	 QTY				 M	
BIG BLOW PUMP	71200	1						
SMALL BLOW PUMP	71202	1						



Piston Plugs

Type	Art. Nr.	 QTY	 QTY			 M	 rebar	
PISTONPLUG#14	71236	10	100			M12	10	
PISTONPLUG#16	71238	10	100				12	
PISTONPLUG#18	71240	10	100			M16	14	
PISTONPLUG#20	71242	10	100				16	
PISTONPLUG#24	71244	10	100			M20		
PISTONPLUG#25	71246	10	100				20	
PISTONPLUG#28	71248	10	100			M24	22	
PISTONPLUG#32	71250	10	100			M27	24-25	
PISTONPLUG#35	71252	10	100			M30	28-30	

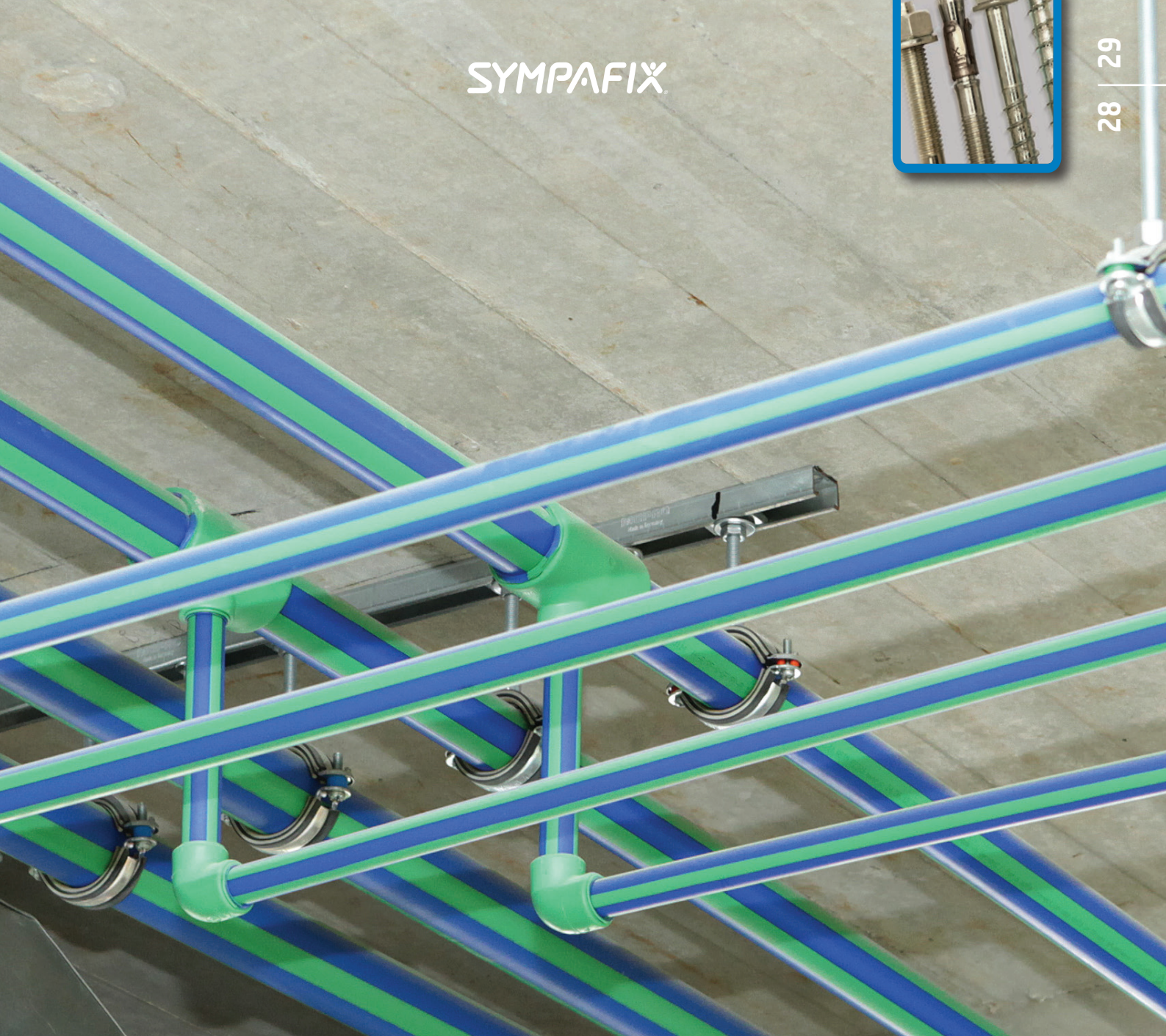
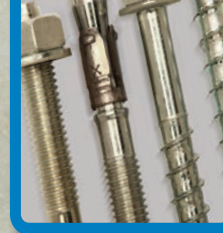
'Serious steel
and nylon
anchors for
any structural
application'



SYMPAFIX
X ANCHORS

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



CONTENTS

PAGE

Screwbolts	30
Throughbolts	34
Sleeve anchor	38
Drop-in anchors	39
Expresse nails	40
Wedge nail ceiling anchors	41
Gypsum board anchors	42

CONTENTS

PAGE

Hollow wall anchors	43
Nylon hammer screws	44
Special application nylon fixings	45
Nylon construction plug	46
Window screws for wooden and plastic frames	48



Screwbolt SB2-PLUS for concrete

HEAVY

FEATURES

- **One piece** heavy duty concrete anchor
- ETA Option 1 approval for **cracked and uncracked concrete**
- Diameter and length **identification** on the head
- Throughfixing
- **Easy identification** drill diameter and thread diameter; for example 8(10)

BENEFITS

- **Quick** installation; drill & drive!
- Underhead grip for **better holding** strength
- **Removable** and reusable
- **Aesthetical** appearance
- Suitable for **close edge** installation



Screwbolts SB2-PLUS (carbon steel zinc plated)

Type	Art. Nr.	QTY	QTY	mm	mm	mm	tfix mm	mm
ZINC PLATED								
SB2-PLUS 5(6)x 10/50*	70452	100	800	5	50	12	10	8
SB2-PLUS 6(8)x 10/50*	70458	100	800	6	50	14	10	10
SB2-PLUS 6(8)x 30/80*	70460	50	400	6	80	14	30	10
SB2-PLUS 6(8)x 50/100*	70462	100	400	6	100	14	50	10
SB2-PLUS 8(10)x 5/50	70464	50	400	8	50	19	5	13
SB2-PLUS 8(10)x30/75	70466	50	400	8	75	19	10-25-30	13
SB2-PLUS 8(10)x55/100	70468	50	200	8	100	19	35-50-55	13
SB2-PLUS 10(12)x10/60	70470	50	200	10	60	23	10	15
SB2-PLUS 10(12)x25/75	70472	50	200	10	75	23	15-25	15
SB2-PLUS 10(12)x 50/100	70474	50	200	10	100	23	25-40-50	15
SB2-PLUS 10(12)x70/120	70476	25	100	10	120	23	45-60-70	15
SB2-PLUS 12(14)x25/75	70478	25	100	12	75	27	15-25	16
SB2-PLUS 12(14)x50/100	70480	25	100	12	100	27	5-40-50	16
SB2-PLUS 12(14)x100/150	70482	20	80	12	150	27	55-90-100	16
SB2-PLUS 14(16)x20/80	70484	25	100	14	80	31	10-20	18
SB2-PLUS 14(16)x40/100	70486	25	100	14	100	31	30-40	18
SB2-PLUS 14(16)x70/130	70488	25	100	14	130	31	15-60-70	18
SB2-PLUS 16(18)x 20/100*	70490	20	80	16	100	36	20	21

* When this catalogue was printed, this item was not included in the approval. Tests are being carried out. For the current status of the approval for this item, please contact us.



Screwbolt SB2-A4 & GRABCON for concrete

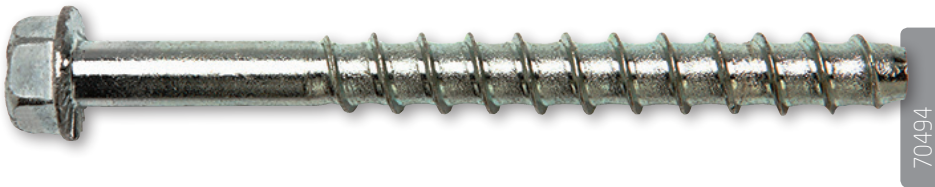
HEAVY 

FEATURES







- **One piece** heavy duty concrete anchor
- Diameter and length **identification** on the head (SB2-A4)
- Throughfixing
- **A4 grade** stainless steel for outdoor use (SB2-A4)

BENEFITS

- **Quick** installation; drill & drive!
- Underhead grip for **better holding** strength
- **Removable** and reusable
- **Aesthetical** appearance
- Suitable for **closed edge** installation









Screwbolts SB2 - A4 (stainless steel)

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 tfix mm	 mm	
A4								
SB2 - A4 6x5/45	70492	100	800	6	45	5	10	
SB2 - A4 6x10/60	70494	100	800	6	60	10	10	



GRABCON

Type	Art. Nr.	 QTY	 QTY	 inch	 mm	 tfix mm	 Hef mm	
GRABCON-HEX 6,3x32	70980	100	500	3/16	32	7	25	
GRABCON-HEX 6,3x45	70982	100	500	3/16	45	20	25	



SB dome head



SB internally threaded

European Technical Approvals

1488-CPD-0386/w
ETA-10/0114
Part 6, M8/M10
SB Internal Thread



Tested and approved



SB dome head

FEATURES

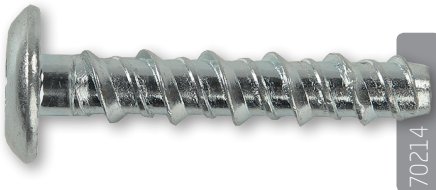
- **One piece** heavy duty concrete anchor
- Throughfixing
- **Torx 30** (dome head)
- **Quick installation:** drill & drive
- **Underhead grip** for better holding strength
- Suitable for **fixing cable trays**

SB internal thread







HEAVY

FEATURES

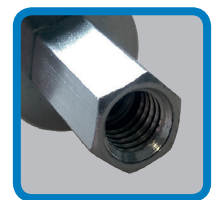
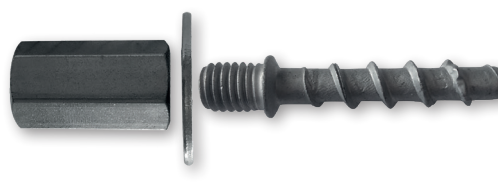
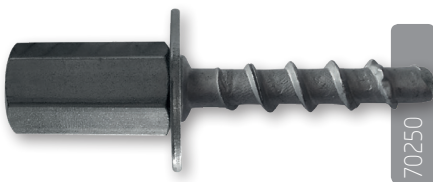
- ETA approval for redundant fixings in **cracked & uncracked concrete**
- ETA approval for redundant fixings in **hollow core prestressed concrete**
- One anchor suitable for both **M8 and M10 rods**
- **Up to 6 times faster installation** than drop-in anchors
- **Decreased risk** of installation errors









Screwbolts SB dome head

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 tfix mm	 TORX
ZINC PLATED							
SB 6x5/40DOME*	70214	100	800	6	40	5	T-30
SB 6x30/65DOME*	70216	100	800	6	65	30	T-30

* Not part of approval



Screwbolts SB Internally threaded

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 H1 min mm	 mm
ZINC PLATED							
SB 6x35 M8/10 WS 13	70250	50	200	6	35	45	13



Tested and approved



Screwbolt SBA for aerated concrete

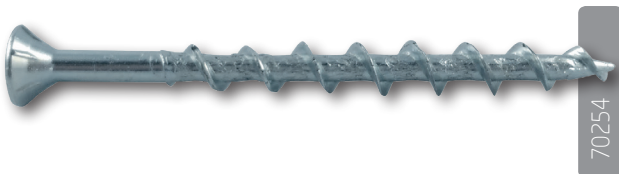
HEAVY

FEATURES

- Especially designed for **safe and secure fixing** in aerated concrete
- Made from **zinc plated steel**
- Steep thread pitch for **quick installation**

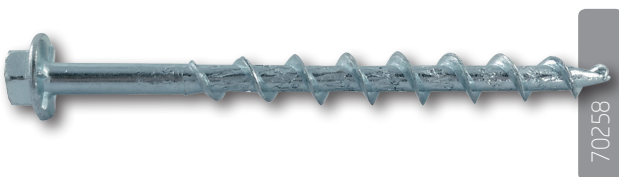
BENEFITS

- **Tension free fixing** (if pre-drilled): suitable for small edge distances and spacing
- Ideal for **through-fixing**
- **High load values**
- Installation possible either **with or without pre-drilling**
- Easily **removable and re-usable**



SBA-TX

Type	Art. Nr.	QTY	QTY	mm	mm	tfix mm	TORX	T _{inst} Nm		
ZINC PLATED										
SBA-TX 8x110	70252	100	400	0 or 4	110	30	T-25	8		
SBA-TX 10x110	70254	100	400	0 or 4	110	10	T-30	11		
SBA-TX 10x160	70256	100	400	0 or 4	160	60	T-30	11		



SBA-SW

Type	Art. Nr.	QTY	QTY	mm	mm	tfix mm	mm	T _{inst} Nm		
ZINC PLATED										
SBA-SW 10x110	70258	100	400	0 or 4	110	10	10	11		
SBA-SW 10x160	70260	50	200	0 or 4	160	60	13	11		



Throughbolt TB1-PLUS

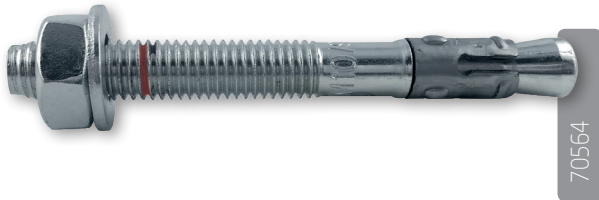
HEAVY

FEATURES

- **Universal** heavy duty expansion anchor
- ETA Option 1 approval for **cracked and uncracked** concrete
- **Stainless steel clip** for improved performance
- Ideal for **throughfixing**
- Also available with **large washer DIN 9021**

BENEFITS

- Big range of **applications**
- **Common** used anchor
- Cone angle optimised for **easy installation**
- **Unique clip** design for higher loads



Throughbolts TB1-PLUS

Type	Art. Nr.	QTY	QTY	mm	mm	t _{fix} mm	mm	T _{inst} Nm
ZINC PLATED								
TB1-PLUS 6/5x55*	70496	200	800	6	55	5	10	10
TB1-PLUS 8/2x50*	70548	100	400	8	50	2	13	30
TB1-PLUS 8/5x60	70550	100	400	8	60	5	13	30
TB1-PLUS 8/20x75	70552	100	400	8	75	20	13	30
TB1-PLUS 8/30x85	70554	100	400	8	85	30	13	30
TB1-PLUS 8/40x95	70556	100	400	8	95	40	13	30
TB1-PLUS 8/50x105	70558	100	400	8	105	50	13	30
TB1-PLUS 8/60x115	70508	100	400	8	115	65	13	30
TB1-PLUS 8/75x130	70510	50	400	8	130	75	13	30
TB1-PLUS 8/100x155	70512	50	200	8	155	100	13	30
TB1-PLUS 10/2x60*	70560	50	200	10	60	2	17	50
TB1-PLUS 10/5x85	70562	50	200	10	85	5	17	50
TB1-PLUS 10/10x90	70564	50	200	10	90	10	17	50
TB1-PLUS 10/20x100	70566	50	200	10	100	20	17	50
TB1-PLUS 10/30x110	70568	50	200	10	110	30	17	50
TB1-PLUS 10/40x120	70570	50	200	10	120	40	17	50
TB1-PLUS 10/50x130	70572	50	200	10	130	50	17	50
TB1-PLUS 10/80x160	70574	50	200	10	160	80	17	50

* When this catalogue was printed, this item was not included in the approval. Tests are being carried out. For the current status of the approval of this item, please contact us



European Technical Approvals

0679-CPR-1079
ETA-14/0215
ETAG 001
Option 1



Tested and approved



Throughbolt TB1-PLUS

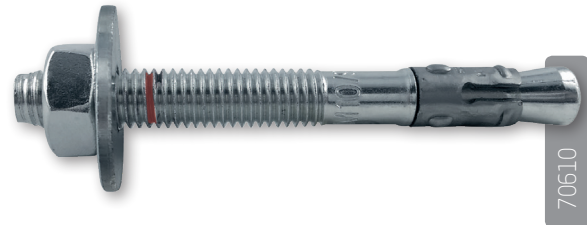
HEAVY

FEATURES

- **Universal** heavy duty expansion anchor
- ETA Option 1 approval for **cracked and uncracked** concrete
- **Stainless steel clip** for improved performance
- Ideal for **throughfixing**
- Also available with **large washer DIN 9021**

BENEFITS

- Big range of **applications**
- **Common** used anchor
- Cone angle optimised for **easy installation**
- **Unique clip** design for higher loads



Throughbolts TB1-PLUS

Type	Art. Nr.	QTY	QTY	mm	mm	t _{fix} mm	mm	T _{inst} Nm
TB1-PLUS 12/2x80*	70522	50	200	12	80	2	19	70
TB1-PLUS 12/5x90	70576	50	200	12	90	5	19	70
TB1-PLUS 12/15x100	70578	50	200	12	100	15	19	70
TB1-PLUS 12/30x115	70580	25	100	12	115	30	19	70
TB1-PLUS 12/50x135	70582	25	100	12	135	50	19	70
TB1-PLUS 12/80x165	70584	25	100	12	165	80	19	70
TB1-PLUS 12/90x175	70586	25	100	12	175	90	19	70
TB1-PLUS 12/100x185	70588	25	100	12	185	100	19	70
TB1-PLUS 12/135x220	70590	10	40	12	220	135	19	70
TB1-PLUS 16/2x90*	70592	25	100	16	90	2	24	130
TB1-PLUS 16/15x125	70594	20	80	16	125	15	24	130
TB1-PLUS 16/40x150	70596	20	80	16	150	40	24	130
TB1-PLUS 16/50x160	70598	10	40	16	160	50	24	130
TB1-PLUS 16/100x210	70600	10	40	16	210	100	24	130
TB1-PLUS 20/35x160*	70542	10	40	20	160	35	30	200
TB1-PLUS 20/90x215*	70544	10	40	20	215	90	30	202
ZINC PLATED WITH LARGE WASHER DIN 9021								
TB1-PLUS 8x50 DIN 9021*	70602	100	400	8	50	2	13	30
TB1-PLUS 8x60 DIN 9021	70604	100	400	8	60	5	13	30
TB1-PLUS 8x75 DIN 9021	70606	100	400	8	75	20	13	30
TB1-PLUS 10x60 DIN 9021*	70608	50	200	10	60	2	17	50
TB1-PLUS 10x90 DIN 9021	70610	50	200	10	90	10	17	50

* When this catalogue was printed, this item was not included in the approval. Tests are being carried out. For the current status of the approval of this item, please contact us



Throughbolt TB1-A4-PLUS (A4 stainless steel)

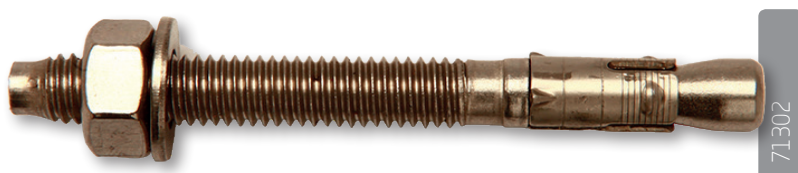
HEAVY

FEATURES

- **A4** stainless steel universal heavy duty expansion anchor
- **Stainless steel clip** for improved performance
- Ideal for **throughfixing**
- **ETA option 1 approval** for cracked and uncracked concrete

BENEFITS

- Big range of **applications**
- **Common** used anchor
- Cone angle optimised for **easy installation**
- A4 Stainless steel for **outdoor use**



Throughbolts TB1-A4-PLUS

Type	Art. Nr.	QTY	QTY	mm	mm	t _{fix} mm	mm	T _{inst} Nm	
A4 STAINLESS STEEL									
TB1-A4-PLUS 8/10X65	71294	100	400	8	65	10	13	25	
TB1-A4-PLUS 8/15X75	71296	100	400	8	75	15	13	25	
TB1-A4-PLUS 8/40X100	71298	100	400	8	100	40	13	25	
TB1-A4-PLUS 8/60X120	71300	50	200	8	120	60	13	25	
TB1-A4-PLUS 10/10X90	71302	50	200	10	90	10	17	45	
TB1-A4-PLUS 10/20X100	71304	50	200	10	100	20	17	45	
TB1-A4-PLUS 10/60X140	71306	50	200	10	140	60	17	45	
TB1-A4-PLUS 12/15X100	71308	50	200	12	100	15	19	70	
TB1-A4-PLUS 12/55X140	71310	25	100	12	140	55	19	70	



Tested and approved



Throughbolt TB-G (carbon steel galvanised)

HEAVY

FEATURES

- **Universal** heavy duty expansion anchor
- **Stainless steel clip** for improved performance
- Ideal throughfixing for **non-structural** applications

BENEFITS

- Big range of **applications**
- **Common** used anchor
- Has galvanised coating for better **corrosion resistance**



Throughbolts TB-G

Type	Art. Nr.	QTY	QTY	mm	mm	tfix mm	mm	Tinst Nm	
GALVANISED									
TB-G 8/30x85	70724	100	400	8	85	30	13	30	
TB-G 10/2x60	70728	50	200	10	60	2	17	55	
TB-G 10/10x90	70730	50	200	10	90	10	17	55	
TB-G 10/20x100	70732	50	200	10	100	20	17	55	
TB-G 10/40x120	70734	50	200	10	120	40	17	55	
TB-G 12/2x80	70738	50	200	12	80	2	19	70	
TB-G 12/15x100	70740	50	200	12	100	15	19	70	
TB-G 12/30x115	70742	25	100	12	115	30	19	70	
TB-G 16/2x90	70748	25	100	16	90	2	24	120	
TB-G 16/15x125	70752	20	80	16	125	15	24	120	



Tested and approved



Sleeve anchor STAM

HEAVY 

FEATURES

- **Plastic endcover** prevents drill dust to block the thread
- Cone nut attached to expansion sleeve **prevents unwanted losing of parts**







BENEFITS

- Large expansion sleeve designed for use in **hollow core concrete**



70630

Sleeve anchors STAM

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 M	 mm		
STAM 12/M8x55	70630	50	400	12	55	M8	13		
STAM 12/M8x60	70632	50	400	12	60	M8	13		
STAM 12/M8x75	70634	50	400	12	75	M8	13		
STAM 12/M8x90	70636	50	400	12	90	M8	13		
STAM 12/M8x120	70638	40	320	12	120	M8	13		
STAM 12/M8x160	70642	25	100	12	160	M8	13		



DI-LIP-PLUS



DI-PLUS

European Technical Approvals

0679-CPR-1037
ETA-14/0481
ETAG 001
Part 6


Tested and approved



Drop-in anchor

MEDIUM

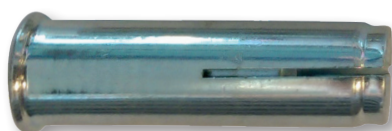


FEATURES

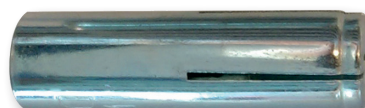
- Drop in anchor with **internal thread**
- ETA approval for multipoint redundant systems in **cracked and uncracked concrete**
- The drop-in anchor setting tools are **designed** to install the DI range of drop-in anchors
- The **safety grip** version provides a **better hold** of the setting tool and protects the hand, and is ideal for **overhead use**

BENEFITS

- Suitable for **bolts and threaded rod**
- Collared version** making correct installation easier; setting tool leaves mark on collar
- Can be installed with **safety grip** tool, avoiding hand injuries



70770



70782

Drop-in anchors DI-LIP-PLUS (zinc plated with lip) and DI-PLUS (zinc plated)

Type	Art. Nr.	QTY	QTY	mm	mm	M
DI-LIP-PLUS M6*	70766	100	1600	8	25	M6
DI-LIP-PLUS M8	70768	100	800	10	30	M8
DI-LIP-PLUS M10	70770	100	800	12	40	M10
DI-LIP-PLUS M12	70772	100	400	16	50	M12
DI-LIP-PLUS M16*	70774	25	100	20	65	M16
DI-LIP-PLUS M20*	70776	25	100	25	80	M20
DI-PLUS M6*	70778	100	1600	8	25	M6
DI-PLUS M8	70780	100	800	10	30	M8
DI-PLUS M10	70782	100	800	12	40	M10
DI-PLUS M12	70784	100	400	16	50	M12
DI-PLUS M16*	70786	25	100	20	65	M16
DI-PLUS M20*	70788	25	100	25	80	M20

* Size not part of the approval



70818

Drop-in setting tools DI-ST-SG (with safety grip)

Type	Art. Nr.	QTY	QTY	M
DI-ST-SG M6	70814	1		M6
DI-ST-SG M8	70816	1		M8
DI-ST-SG M10	70818	1		M10
DI-ST-SG M12	70820	1		M12
DI-ST-SG M16	70822	1		M16
DI-ST-SG M20	70824	1		M20



Tested and approved



Expresse nail and ceiling nail anchor

LIGHT

FEATURES

- Made of **spring steel**
- **Reinforced** head
- **Tapered** front

BENEFITS

- **Drill and drive** fixing, no secondary installation needed
- Suitable for **concrete and masonry**
- Ideal for fixing wood to concrete
- Ceiling nail anchor with eye for suspended ceilings



Expresse nails

Type	Art. Nr.	QTY	QTY	mm	mm	mm
XN 640	70844	200	2000	6	40	10
XN 650	70846	200	2000	6	50	20
XN 660	70848	200	2000	6	60	30
XN 680	70850	200	2000	6	80	50
XN 870	70852	100	1000	8	70	30
XN 890	70854	100	1000	8	90	50
XN 8110	70856	100	1000	8	110	70
XN 8130	70858	100	1000	8	130	90



Ceiling nail anchor

Type	Art. Nr.	QTY	QTY	mm	mm	mm
XN-CEILING	70860	100	1000	8	47	5



European Technical Approvals

0679-CPR-1035
ETA-14/0459
ETAG 001
Part 6



Tested and approved



Wedgenail ceiling anchor

LIGHT

FEATURES

- **Light duty** steel expansion anchor
- **Large collar** (12 mm) to clamp down fixture
- **ETA approval** for multipoint redundant systems in cracked and uncracked concrete

BENEFITS

- **Easy** installation
- Hammer-in anchor ideal for **overhead use**
- Ideal to clamp down fixtures or metal hangers



Wedgenail ceiling anchors

Type	Art. Nr.	QTY	QTY		mm	mm	tfix mm	
CA6x5/35-PLUS	70832	200	1600		6	35	5	
CA6x35/65-PLUS	70834	100	800		6	65	35	



Tested and approved



Gypsum board anchor

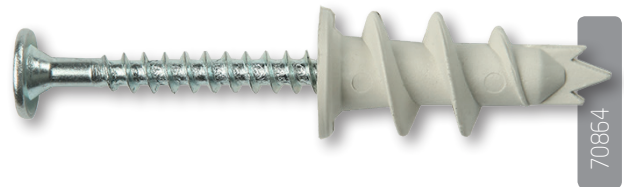
LIGHT

FEATURES




- **All steel** or **all nylon** anchor
- Wing style thread for holding in **plasterboard**
- **Self drilling** tip

BENEFITS

- Quick installation with **screwdriver** (bit)
- **Ideal** for light duty fixing to plasterboard
- Self drilling tip has space to let **screw** pass
- Supplied with screw, 4,5x35mm



Gypsum board anchors

Type	Art. Nr.	 QTY	 QTY				 mm	
GYPS/Metal	70862	100	1000				25	
GYPS/Nylon	70864	100	1000				25	



Tested and approved



Hollow wall anchor

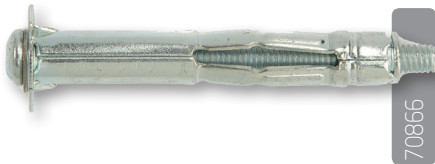
MEDIUM 

FEATURES

- Medium load anchor for **hollow materials** like plywood
- Installation with **installation tool**
- Large **contact surface**
- Full metal anchor, therefore **less risk of melting** than with nylon







BENEFITS

- Suitable for medium loads
- To be used **with bolt** to hold down fixture
- Metal anchor, so **less risk** for melting
- Bolt can be **reinstalled**



70866



Hollow Wall Anchors

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 t _{fix} mm	 M	
HW-441	70866	200	1600	8	41	3-14	M4	
HW-454	70868	100	800	8	54	16-26	M4	
HW-545	70870	100	800	10	45	6-12	M5	
HW-560	70872	100	400	10	60	3-16	M5	
HW-571	70874	50	400	10	71	16-32	M5	
HW-645	70876	50	400	12	45	6-12	M6	
HW-660	70878	50	400	12	60	3-16	M6	
HW-670	70880	50	400	12	71	16-32	M6	



70882

Hollow Wall Anchor Setting Tool

Type	Art. Nr.	 QTY	 QTY					
HW-Tool	70882	1						



Tested and approved



Nylon hammer screw

LIGHT

FEATURES

- Pre-assembled screw
- Hammerscrew with countersunk head for fixing **wood to concrete**
- Collared hammerscrew for fixings **metal profiles to concrete**

BENEFITS

- Screw makes removal possible
- Hammer installation for direct loading
- Made of **high quality** virgin nylon PA 6



70916

Nylon hammer screws

Type	Art. Nr.	QTY	QTY	mm	mm	tfix mm	Stockbox	Art. Nr.	QTY
YZF 5x2/27	70912	100	2000	5	27	2			
YZF 6x10/40	70916	100	2000	6	40	10	71436	800	
YZF 6x25/55	70918	100	1200	6	55	25	71438	600	
YZF 6x40/67	70920	100	1200	6	67	40			
YZF 6x50/80	70922	100	400	6	80	50			
YZF 8x25/60	70924	100	800	8	60	25	71440	300	
YZF 8x40/75	70926	100	800	8	75	40	71442	300	
YZF 8x65/100	70928	50	400	8	100	65	71444	200	
YZF 8x85/120	70930	50	400	8	120	85			
YZF 8x100/140	70932	50	400	8	140	100			



70942

Collared hammer screws

Type	Art. Nr.	QTY	QTY	mm	mm	tfix mm
YZP 5x2/27	70934	200	1600	5	27	2
YZP 5x12/37	70936	200	1600	5	37	12
YZP 6x3/32	70940	100	2000	6	32	3
YZP 6x10/40	70942	200	2000	6	40	10
YZP 6x25/55	70944	100	800	6	55	25



Tested and approved



Special application nylon fixings

LIGHT

FEATURES

- Universal plug with **4-legged** expansion zone, collar and **solid** front
- **Large collar hammer screw** with flat collar
- **All nylon hammer screw**: nylon sleeve and nylon nail

BENEFITS

- For **hollow and solid base** material
- **Collar** for holding down for example metal window frames
- Yzzy **large collar** hammer screw for fixing brackets to concrete



71334

Large collar hammer screw

Type	Art. Nr.	QTY	QTY	mm	mm		
YZPX8x45	71334	100	1200	8	45		



71340

All nylon hammer screws

Type	Art. Nr.	QTY	QTY	mm	mm	tfix mm	
ANHS 5x2/30	71336	200	1600	5	30	2	
ANHS 5x10/40	71338	200	800	5	40	10	
ANHS 6x10/40	71340	200	800	6	40	10	
ANHS 6x30/60	71342	100	400	6	60	30	
ANHS 8x30/80	71344	100	400	8	80	30	
ANHS 8x50/100	71346	100	400	8	100	50	



70902

Universal plugs

Type	Art. Nr.	QTY	QTY	mm	mm	mm	Stockbox	
SY-X6	70898	200	4000	6	30	4,0 - 5,0	71430	2500
SY-X8	70900	100	2000	8	40	4,5 - 6,0	71432	1000
SY-X10	70902	50	1000	10	50	6,0 - 8,0	71434	500



Tested and approved

ETA-12/0261
Multipoint redundant
fixings



Nylon construction plug NHS-ST

LIGHT

FEATURES

- Construction plug for **panels, facades and general construction**
- ETA approval for multipoint redundant systems in cracked and uncracked concrete
- Material plug: **nylon**
- Material screw: **zinc plated steel**






BENEFITS

- **Wings** prevent rotation of the plug in the drilled hole
- For use in **solid and hollow stone, brick and masonry**
- Excellent expansion for **high load values**



71350

Nylon construction plug NHS-ST

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 tfix mm
NHS-CONSTR 8x80 ST	71350	100	800	8	80	10
NHS-CONSTR 8x100 ST	71352	50	400	8	100	30
NHS-CONSTR 8x120 ST	71354	50	400	8	120	50
NHS-CONSTR 8x140 ST	71356	50	400	8	140	70



Tested and approved

ETA-12/0261
Multipoint redundant
fixings



Nylon construction plug NHS-S

LIGHT

FEATURES

- Construction plug for **panels, facades and general construction**
- ETA approval for multipoint redundant systems in cracked and uncracked concrete
- Material plug: **nylon**
- Material screw: **zinc plated steel**

BENEFITS

- **Wings** prevent rotation of the plug in the drilled hole
- For use in **solid and hollow stone, brick and masonry**
- Excellent expansion for **high load values**



71358

Nylon construction plug NHS-S

Type	Art. Nr.	QTY	QTY		mm	mm	t _{fix} mm	
NHS-CONSTR 10x80 S	71358	50	400		10	80	10	
NHS-CONSTR 10x100 S	71360	50	400		10	100	30	
NHS-CONSTR 10x120 S	71362	50	400		10	120	50	
NHS-CONSTR 10x140 S	71364	50	400		10	140	70	
NHS-CONSTR 10x160 S	71366	50	400		10	160	90	
NHS-CONSTR 10x200 S	71370	25	200		10	200	130	
NHS-CONSTR 10x240 S	71372	20	160		10	240	170	
NHS-CONSTR 10x260 S	71374	20	160		10	260	190	



Tested and approved



Window screws for wooden frames

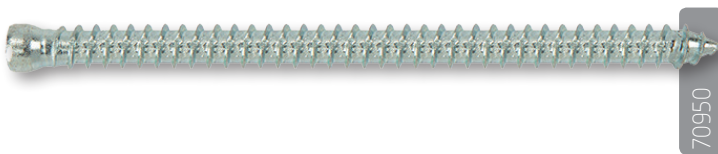
LIGHT

FEATURES







- **Hardened screw** with thread for cutting into concrete
- Relief points in thread to allow debris to be removed
- **Torx** head
- Hardened cutting thread: **screws directly into concrete or stone**

BENEFITS

- For fixing **wooden frames to concrete**
- **Good loads**
- **Easy to install**



Window screws W-SZ (for wooden frames)

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 tfix mm	 torx	
W-SZ 7,5x72	70946	100	400	6,0	72	42	T25	
W-SZ 7,5x92	70948	100	400	6,0	92	62	T25	
W-SZ 7,5x112	70950	50	200	6,0	112	82	T25	
W-SZ 7,5x132	70952	50	200	6,0	132	102	T25	
W-SZ 7,5x152	70954	50	200	6,0	152	122	T25	
W-SZ 7,5x182	70956	50	200	6,0	182	152	T25	



Tested and approved



Window screws for plastic and aluminum frames

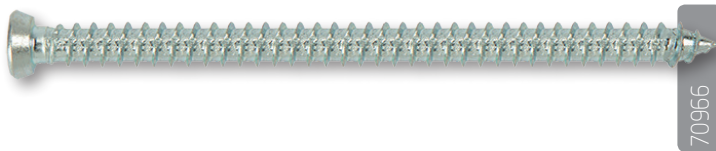
LIGHT

FEATURES







- **Hardened screw** with thread for cutting into concrete
- Relief points in thread to allow debris to be removed
- **Torx** head
- Hardened cutting thread: **screws directly into concrete or stone**

BENEFITS

- for fixing **plastic and aluminium frames to concrete**
- **Good loads**
- **Easy to install**



Window screws K-SZ (for plastic and aluminum frames)

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 tfix mm	 torx	
K-SZ 7,5x72	70962	100	400	6,0	72	42	T30	
K-SZ 7,5x92	70964	100	400	6,0	92	62	T30	
K-SZ 7,5x112	70966	50	200	6,0	112	82	T30	
K-SZ 7,5x132	70968	50	200	6,0	132	102	T30	
K-SZ 7,5x152	70970	50	200	6,0	152	122	T30	
K-SZ 7,5x182	70972	50	200	6,0	182	152	T30	

' Serious screws for drywall and metal-to-metal applications '



SYMPAFIX
X SCREWS



CONTENTS

PAGE

Drywall screws collated	52
Drywall screws loose	53
Drywall screws for special applications	54
Self drilling screws	55



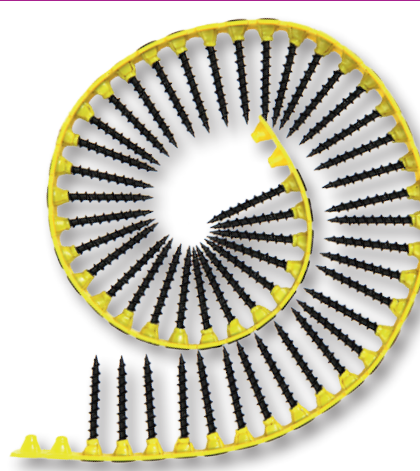
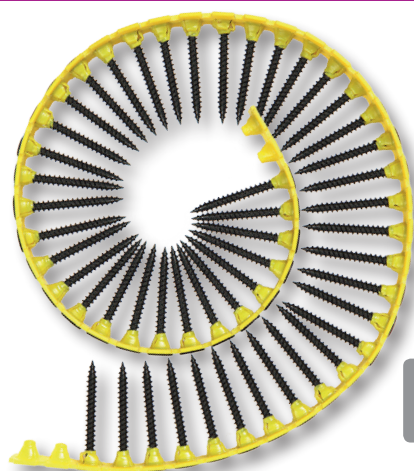
Drywall screws collated (fine and coarse)

FEATURES







- Quality plastic **collation** tested in most guns
- Conforms norm **EN14566:2008+A1:2009**
- **Marked SX**
- Black phosphate plating

BENEFITS







- Complies with **latest norms**
- For use in most collated screwguns
- **Quick** to install
- Marked SX makes **inspection** easy



Drywall screws collated (fine thread for metal applications) Needlepoint (NP), bugle head (BH), black phosphated (BP), fine thread (FN)

Type	Art. Nr.	 QTY	 QTY	 QTY	 mm	 mm	 mm
Ø3,5MM							
NP-BU-BP-FN3,5x25CL	71018	1000	10000	180.000	3,5	8,0	25
NP-BU-BP-FN3,5x35CL	71020	1000	10000	180.000	3,5	8,0	35
NP-BU-BP-FN3,5x45CL	71022	1000	10000	180.000	3,5	8,0	45
Ø3,9MM							
NP-BU-BP-FN3,9x35CL	71028	1000	10000	180.000	3,9	8,0	35

Drywall screws collated (coarse thread for wood applications) Needlepoint (NP), bugle head (BH), black phosphated (BP), coarse thread (CO)

Type	Art. Nr.	 QTY	 QTY	 QTY	 mm	 mm	 mm
Ø3,5MM							
NP-BU-BP-CO3,5x35CL	71034	1000	10000	180.000	3,5	8,0	35
NP-BU-BP-CO3,5x45CL	71036	1000	10000	180.000	3,5	8,0	45
NP-BU-BP-CO3,5x55CL	71038	1000	8000	144.000	3,5	8,0	55
Ø3,9MM							
NP-BU-BP-CO3,9x35CL	71042	1000	10000	180.000	3,9	8,0	35



Drywall screws loose (fine and coarse)

FEATURES







- Conforms norm **EN14566:2008+A1:2009**
- Black phosphate plating
- **Marked SX**

BENEFITS

- Complies with **latest norms**
- **Quick** to install
- Marked SX makes **inspection** easy
- Comes with bit









Drywall screws loose (fine thread for metal applications)
Needlepoint (NP), bugle head (BH), black phosphated (BP), fine thread (FN)

Type	Art. Nr.	 QTY	 QTY	 QTY	 mm	 mm	 mm	
Ø3,5mm								
NP-BU-BP-FN3,5x25	71052	1000 + 1	15000 + 15	360.000 + 360	3,5	8,0	25	
NP-BU-BP-FN3,5x35	71056	1000 + 1	10000 + 10	240.000 + 240	3,5	8,0	35	
NP-BU-BP-FN3,5x45	71060	1000 + 1	8000 + 8	192.000 + 192	3,5	8,0	45	
NP-BU-BP-FN3,5x50	71062	1000 + 1	6000 + 6	144.000 + 144	3,5	8,0	50	
NP-BU-BP-FN3,5x55	71064	500 + 1	5000 + 5	120.000 + 240	3,5	8,0	55	



Drywall screws loose (coarse thread for wood applications)
Needlepoint (NP), bugle head (BH), black phosphated (BP), coarse thread (CO)

Type	Art. Nr.	 QTY	 QTY	 QTY	 mm	 mm	 mm	
Ø3,5MM								
NP-BU-BP-CO3,5x35	71074	1000 + 1	10000 + 10	240.000 + 240	3,5	8,0	35	
NP-BU-BP-CO3,5x45	71076	1000 + 1	8000 + 8	192.000 + 192	3,5	8,0	45	
NP-BU-BP-CO3,5x55	71078	500 + 1	5000 + 5	120.000 + 240	3,5	8,0	55	



Drywall screws for special applications and self drilling screws

FEATURES

- Conforms norm **EN14566:2008+A1:2009**
- Grey phosphate (GP) and zinc plated (ZP)
- Very **sharp point**
- **Return thread** (RT) version
- Selfdrilling point (SD) for fixing **metal drywall frames on metal drywall frames**

BENEFITS

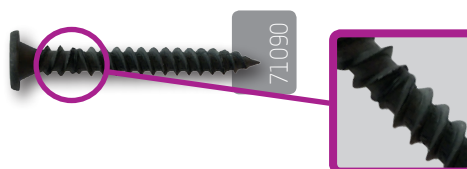
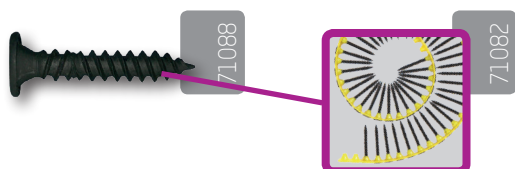
- Complies with **latest norms**
- **Quick** to install
- **Marked SX** makes **inspection** easy
- **Return thread** (RT) for use in diamond board® and other hard plasterboard
- Countersunk (C) head for use in **fibreboard / fermacell®** ribs ensure a clean and smooth finish



Countersunk Fermacell® screws

Needlepoint (NP), countersunk (C), grey phosphate (GP), fine thread (FN)

Type	Art. Nr.	QTY	QTY	QTY	mm	mm	mm
GREY PHOSPHATE							
NP-C-GP-FN3,8x22	71488	1000 + 1	15000 + 15	360.000 + 360	3,8	8,0	22
NP-C-GP-FN3,8x35	71086	1000 + 1	9000 + 9	216.000 + 216	3,8	8,0	35



Diamond board drywall screws (collated and loose)

Needlepoint (NP), bugle head (BH), black phosphate (BP), return thread (RT)

Type	Art. Nr.	QTY	QTY	QTY	mm	mm	mm
DIAMONDBOARD® COLLATED							
NP-BU-BP-RT3,9x25CL	71080	1000	10000	180.000	3,9	8,0	25
NP-BU-BP-RT3,9x34CL	71082	1000	10000	180.000	3,9	8,0	34
DIAMONDBOARD® LOOSE							
NP-BU-BP-RT3,9x25	71088	1000 + 1	13000 + 13	312.000 + 312	3,9	8,0	25
NP-BU-BP-RT3,9x34	71090	1000 + 1	9000 + 9	216.000 + 216	3,9	8,0	34



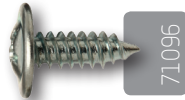
Self drilling screws

FEATURES







- Conforms norm **EN14566:2008+A1:2009**
- Bright zinc plating
- Very **sharp point**
- Selfdrilling point for fixing **metal drywall frames on metal drywall frames**

BENEFITS

- **Quick** to install
- **Marked SX** makes **inspection** easy









Self-drilling (SD), needle point (NP), button head (BH), zinc plated (ZP)

Type	Art. Nr.	 QTY	 QTY	 QTY	 mm	 mm	 mm	
ZINC PLATED								
SD-BH-ZP-4,2x13	71094	1000 + 1	13000 + 13	312.000 + 312	4,2	11,0	13	
NP-BH-ZP-4,2x13	71096	1000 + 1	13000 + 13	312.000 + 312	4,2	11,0	13	



Self-drilling (SD), double head (DBL), black phosphate (BP), fine thread (FN)

Type	Art. Nr.	 QTY	 QTY	 QTY	 mm	 mm	 mm	
GREY PHOSPHATE								
SD-DBL-GP-FN3,5x25	71480	1000	15000	360.000	3,5	8,0	25	
SD-DBL-GP-FN3,5x35	71482	1000	10000	240.000	3,5	8,0	35	
SD-DBL-GP-FN3,5x45	71484	1000	80000	200.000	3,5	8,0	45	
SD-DBL-GP-FN3,5x55	71486	500	5000	120.000	3,5	8,0	55	

' Gas and powder
nails for concrete,
steel and wood
applications '



SYMPAFIX
X NAILS

CONTENTS

PAGE

C70 pins and gas	58
C45 pins and gas	59
GT3C pins and gas	60
Pins and gas for Powers® C5	61
Pins and gas for Spit® Pulsa 700	62
Gas tools washers, clips and C45-ISO	63
Single shot pins	64

CONTENTS

PAGE

PX60M pins and rubber spring	65
DN collated pins	66
Disc and strip loads	67
34° collated DH-nails and gas	68
Angle brads for gas-, battery- and pneumatic 16 gauge nailers	69



SYMPAFIX NAILS

GT/C70 Gas Tool
See page 74



Pins and gas for Sympafix GT/C70 and GT4C

FEATURES

- Diameter 2,6, 3,0 and 3,7 to suit **standard and special applications**
- Rolled **ballistic** points
- **Aerosol** can
- For **Sympafix GT/C70** and **GT4C**
- Also fits **Powers® C4**

BENEFITS

- Probably the best gas fired nails in the market: **if it doesn't work with Sympafix pins, it doesn't work with any pin**
- No special storage or special transport requirements
- **XH-pins** for hard concrete

High performance gas, without special storage and transport requirements



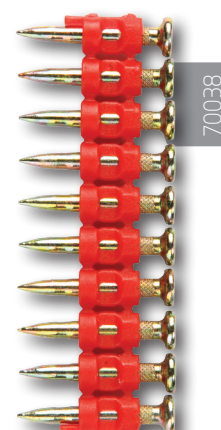
2,6mm diameter nails with ballistic point for most applications








3,7mm diameter heavy duty nails for high shear loads



3,0mm diameter special hardened nails for hard concrete



GT/C70 tool pins and gas

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm		
GT/C70 Fuel Cell	70012	1	100					
C70-20	70014	700+1	3500+5	20	2,6	6,3		
C70-25	70016	700+1	3500+5	25	2,6	6,3		
C70-40	70018	700+1	3500+5	40	2,6	6,3		
C70-50	70020	700+1	3500+5	50	2,6	6,3		
C70-60	70022	700+1	3500+5	60	2,6	6,3		
C70-65	70024	700+1	3500+5	65	2,6	6,3		
C70-20-HD	70036	700+1	3500+5	20	3,7	6,3		
C70-40-HD	70026	700+1	3500+5	40	3,7	6,3		
C70-50-HD	70028	700+1	3500+5	50	3,7	6,3		
C70-55-HD	70030	700+1	3500+5	55	3,7	6,3		
C70-65-HD	70032	700+1	3500+5	65	3,7	6,3		
C70-70-HD	70046	700+1	3500+5	70	2,6	6,3		
C70-17-XH	70034	700+1	3500+5	17	3,0	6,3		
C70-22-XH	70038	700+1	3500+5	22	3,0	6,3		
C70-27-XH	70040	700+1	3500+5	27	3,0	6,3		
C70-38-XH	70044	700+1	3500+5	38	3,0	6,3		

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



SYMPAFIX NAILS

For GT/C45 Gas Tool
See page 76



58 | 59

Pins and gas for Sympafix GT/C45

FEATURES

- Diameter 2,6 and 3,0 to suit **standard and special applications**
- Rolled **ballistic** points
- **Aerosol** can
- For **Sympafix GT/C45**

BENEFITS

- Probably the best gas fired nails in the market: **if it doesn't work with Sympafix pins, it doesn't work with any pin**
- No special storage or special transport requirements
- **XH-pins** for hard concrete

High performance gas, without special storage and transport requirements








2,6mm diameter nails with ballistic point for most applications



3,0mm diameter special hardened nails for hard concrete



GT/C45 tool pins and gas

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm		
GT/C45 Fuel Cell	70058	1	100					
C45-15	71502	1000+1	5000+5	15	2,6	6,3		
C45-20	71504	1000+1	5000+5	20	2,6	6,3		
C45-25	71506	1000+1	5000+5	25	2,6	6,3		
C45-30	71508	1000+1	5000+5	30	2,6	6,3		
C45-35	71510	1000+1	5000+5	35	2,6	6,3		
C45-40	71512	1000+1	5000+5	40	2,6	6,3		
C45-45	71528	800+1	4000+5	45	2,6	6,3		
C45-17-XH	71516	1000+1	5000+5	17	3,0	6,3		
C45-22-XH	71520	1000+1	5000+5	22	3,0	6,3		
C45-27-XH	71522	1000+1	5000+5	27	3,0	6,3		
C45-32-XH	71524	1000+1	5000+5	32	3,0	6,3		
C45-38-XH	71526	1000+1	5000+5	38	3,0	6,3		



Pins and gas for Sympafix GT3C

FEATURES

- Diameter 2,6 and 3,0 to suit **most applications**
- Rolled **ballistic** points
- **Aerosol** can
- For **Sympafix GT3C**, with extension foot
- Also fits **Powers® C3**

BENEFITS

- Probably the best gas fired nails in the market: **if it doesn't work with Sympafix pins, it doesn't work with any pin**
- No special storage or special transport requirements
- **XH-pins** for hard concrete

High performance gas, without special storage and transport requirements








2,6mm diameter with ballistic point for most applications



3,0mm diameter special hardened nails for hard concrete



GT3C tool pins and gas

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm		
GT3C Fuel Cell	70058	1	100					
GT3C-13	70060	1000+1	5000+5	13	2,6	6,3		
GT3C-19	70062	1000+1	5000+5	19	2,6	6,3		
GT3C-25	70066	1000+1	5000+5	25	2,6	6,3		
GT3C-32	70068	1000+1	5000+5	32	2,6	6,3		
GT3C-38	70070	1000+1	5000+5	38	2,6	6,3		
GT3C-17XH	70072	1000+1	5000+5	17	3,0	6,3		
GT3C-22XH	70074	1000+1	5000+5	22	3,0	6,3		
GT3C-27XH	70076	1000+1	5000+5	27	3,0	6,3		
GT3C-38XH	70080	1000+1	5000+5	38	3,0	6,3		



Pins and gas for Powers® C5

FEATURES

- Diameter 2,6 and 3,0 to suit **most applications**
- Rolled **ballistic** points
- **Aerosol** can

BENEFITS

- Probably the best gas fired nails in the market: **if it doesn't work with Sympafix pins, it doesn't work with any pin**
- No special storage or special transport requirements
- **XH-pins** for hard concrete

High performance gas, without special storage and transport requirements








2,6mm diameter with ballistic point for most applications



3,0mm diameter special hardened nails for hard concrete



Pins and gas for Powers® C5

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm		
C5 Fuel Cell	70082	1	100					
C5-15	70084	800+1	4000+5	15	2,6	6,3		
C5-20	70086	800+1	4000+5	20	2,6	6,3		
C5-25	70088	800+1	4000+5	25	2,6	6,3		
C5-30	70090	800+1	4000+5	30	2,6	6,3		
C5-35	70092	800+1	4000+5	35	2,6	6,3		
C5-40	70094	800+1	4000+5	40	2,6	6,3		
C5-17-XH	70096	800+1	4000+5	17	3,0	6,3		
C5-22-XH	70100	800+1	4000+5	22	3,0	6,3		
C5-27-XH	70102	800+1	4000+5	27	3,0	6,3		
C5-32-XH	70104	800+1	4000+5	32	3,0	6,3		
C5-38-XH	70106	800+1	4000+5	38	3,0	6,3		



SYMPAFIX NAILS

For use with
P700 Gas Tool



Pins and gas for Spit® Pulsa 700

FEATURES

- Diameter 2,6 and 3,0 to suit **most applications**
- Rolled **ballistic** points
- **Aerosol** can

FEATURES

- Probably the best gas fired nails in the market: **if it doesn't work with Sympafix pins, it doesn't work with any pin**
- No special storage or special transport requirements
- **XH-pins** for hard concrete

High performance gas, without special storage and transport requirements








2,6mm diameter with ballistic point for most applications



3,0mm diameter special hardened nails for hard concrete



Pins and gas for Spit® Pulsa 700

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm		
700 Fuel Cell	70108	1	100					
SP-700-13	70110	1000+2	5000+10	13	2,6	6,3		
SP-700-19	70112	1000+2	5000+10	19	2,6	6,3		
SP-700-25	70116	1000+2	5000+10	25	2,6	6,3		
SP-700-32	70118	1000+2	5000+10	32	2,6	6,3		
SP-700-38	70120	1000+2	5000+10	38	2,6	6,3		
SP-700-17XH	70122	1000+2	5000+10	17	3,0	6,3		
SP-700-22XH	70124	1000+2	5000+10	22	3,0	6,3		
SP-700-27XH	70126	1000+2	5000+10	27	3,0	6,3		
SP-700-38XH	70130	1000+2	5000+10	38	3,0	6,3		

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



Gas tool accessories

FEATURES

- Washers for fastening **soft materials**
- Tie wrap washer to **hold down electrical wire**

BENEFITS

- Quick installation:** fix on the barrel, shoot, finished!
- Size for the **most common** applications

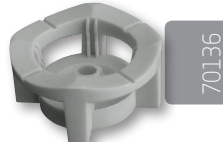
Perfoband and conduit clips

FEATURES

- Conduit clips to hold down pipes

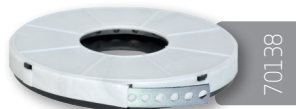
BENEFITS

- Works** with all gas and powder tools
- Excellent performance** in hard concrete



Gas tool accessories

Type	Art. Nr.	QTY	QTY	mm	mm	mm		
GT-CS-LW-25mm	70132	200	2000					
GT-CS-MAGNETIC ADAPTOR (o.r.)	70134	1	10					
GT-CS-CBL-TIE-25mm	70136	100	1000					
GT3C-ISO-60-025	70688	50	1000	25	3,2/2,8	60		
GT3C-ISO-60-050	70690	50	900	50	3,2/2,8	60		
GT3C-ISO-60-060	70686	50	800	60	3,2/2,8	60		
GT3C-ISO-60-075	70692	50	600	75	3,2/2,8	60		
GT3C-ISO-60-080	70694	50	600	80	3,2/2,8	60		
GT3C-ISO-60-090	70696	50	600	90	3,2/2,8	60		
GT3C-ISO-60-100	70698	50	600	100	3,2/2,8	60		
GT3C-ISO-60-120	70700	25	400	120	3,2/2,8	60		
GT3C-ISO-60-140	70702	25	300	140	3,2/2,8	60		
GT3C-ISO-60-150	70704	20	300	150	3,2/2,8	60		
GT3C-ISO-60-200	70710	20	200	200	3,2/2,8	60		



Perfoband and conduit clips (for use with 16, 18, 20 and 25mm conduits)



PX60M Powder Actuated Tool
See page 85



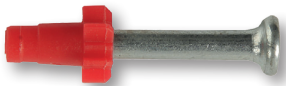
Single shot pins for Sympafix PX60M

FEATURES

- **Plastic washer** to hold nail in tool barrel
- Washers to **hold down** soft materials
- Rolled **ballistic** point






BENEFITS

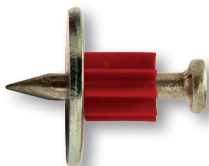
- **Works** in most PAT tools with internal barrel diameter of 5mm up to 7mm
- Good performance in **hard concrete**



70190







Single shot pins

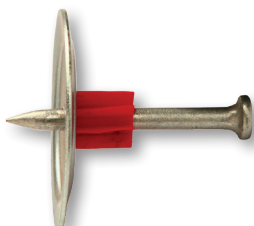
Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm		
PA-32	70184	100	1600	32	3,7	7,6		
PA-44	70188	100	1600	44	3,7	7,6		
PA-51	70190	100	1600	51	3,7	7,6		
PA-57	70192	100	1600	57	3,7	7,6		
PA-64	70194	100	1600	64	3,7	7,6		
PA-76	70198	100	1600	76	3,7	7,6		



70200







22mm washers and pins for fixing soft materials

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm	 mm	
PA-25W	70200	100	800	25	3,7	7,6	22	
PA-37W	70202	100	800	37	3,7	7,6	22	



70204

36mm washered pin for fixing soft material

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm	 mm	
PA-38IW	70204	100	400	38	3,7	7,6	36	



PX60M Powder Actuated Tool
See page 85



Pins for Sympafix PX60M

FEATURES

- Rolled **ballistic** point
- Collated
- Rubber spring **included** in each box
- Fits **Sympafix PX60M** tool






BENEFITS

- Suitable for **hard concrete and steel**
- Collated for **repetitive** jobs

3,7mm diameter with ballistic point for most applications





PX60M pins in strip

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm	
PX60M-19	70148	500	2500	19	3,7	7,8	
PX60M-22	70150	500	2500	22	3,7	7,8	
PX60M-27	70152	500	2500	27	3,7	7,8	
PX60M-42	70154	500	2500	42	3,7	7,8	
PX60M-47	70156	500	2500	47	3,7	7,8	
PX60M-52	70158	300	1500	52	3,7	7,8	
PX60M-60	70160	300	1500	60	3,7	7,8	



Rubber spring for piston return

Type	Art. Nr.	 QTY	 QTY				
PX60M-RUBBER-SPRING	70164	10	100				



DN collated pins

FEATURES

- **DN pins fits most Hilti®** strip tools
- Rolled **ballistic** point






BENEFITS

- Good performance in **hard concrete**
- Ballistic point for **maximum impact**

3,7mm diameter with ballistic point for most requirements



DN collated pins

Type	Art. Nr.	 QTY	 QTY	 mm	 mm	 mm		
DN-19	71278	500	2500	19	3,7	7,8		
DN-22	71280	500	2500	22	3,7	7,8		
DN-27	71282	500	2500	27	3,7	7,8		
DN-42	71284	500	2500	42	3,7	7,8		
DN-47	71286	500	2500	47	3,7	7,8		
DN-52	71288	300	1500	52	3,7	7,8		
DN-62	71290	300	1500	62	3,7	7,8		
DN-72	71292	300	1500	72	3,7	7,8		



Disc and strip loads powder actuated tools

FEATURES

- **Disc loads** to fit PX60M
- **Strip loads** to fit most powder tools

BENEFITS

- **CIP approved**
- **Colour identification** for power level



Disc loads for PX60M



Type	Art. Nr.	QTY	QTY	Colour	Explosion			
PA-DL-YELLOW 10MM	70144	100	10000		Medium			
PA-DL-RED 10MM	70146	100	10000		Strong			



Strip loads



Type	Art. Nr.	QTY	QTY	Colour	Explosion			
PA-SL-GREEN	70168	100	10000		Light			
PA-SL-YELLOW	70170	100	10000		Medium			
PA-SL-RED	70172	100	10000		Strong			
PA-SL-BLACK	70174	100	10000		Extra strong			



SYMPAFIX NAILS

GT/W90 Gas Tool
See page 82

Tested and approved



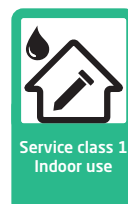
34° D-Head collated nails and gas for Sympafix GT/W90 and f.e. Paslode® IM350

FEATURES

- Conforms norm **EN 14592+A1(2012)**
- Available in bright, electrical zinc plated and A2 stainless steel
- Available in **smooth and ring** shank

BENEFITS

- Meets **latest norms**
- **Quick** to install
- Handy boxes suitable for **job site** use



34° D-Head collated nails and gas

Type	Art. Nr.	QTY	PN (no gas) Art. Nr.	QTY	mm	mm	Surface	Coating	Service class
Framing Fuel Cell	70282	1							
NAILS SMOOTH - BRIGHT									
W34-DH63x2,8-S-BR	70286	3300+3	70287	3300	63	2,8	Smooth	Bright	●
W34-DH75x2,8-S-BR	70290	2200+2	70291	2200	75	2,8	Smooth	Bright	●
W34-DH80x2,8-S-BR	70294	2200+2	70295	2200	80	2,8	Smooth	Bright	●
W34-DH90x3,1-S-BR	70296	2200+2	70297	2200	90	3,1	Smooth	Bright	●
NAILS RING - BRIGHT									
W34-DH51x2,8-R-BR	70298	3300+3	70299	3300	51	2,8	Ring	Bright	●
W34-DH63x2,8-R-BR	70300	3300+3	70301	3300	63	2,8	Ring	Bright	●
W34-DH75x2,8-R-BR	70304	2200+2	70305	2200	75	2,8	Ring	Bright	●
W34-DH80x2,8-R-BR	70306	2200+2	70307	2200	80	2,8	Ring	Bright	●
NAILS SMOOTH - ZINC PLATED									
W34-DH90x3,1-S-EL	70310	2200+2	70311	2200	90	3,1	Smooth	Zinc plated	●
NAILS RING - ZINC PLATED									
W34-DH51x2,8-R-EL	70312	3300+3	70313	3300	51	2,8	Ring	Zinc plated	●
W34-DH63x2,8-R-EL	70314	3300+3	70315	3300	63	2,8	Ring	Zinc plated	●
W34-DH70x2,8-R-EL	70320	2200+2	70321	2200	70	2,8	Ring	Zinc plated	●
W34-DH75x2,8-R-EL	70316	2200+2	70317	2200	75	2,8	Ring	Zinc plated	●
W34-DH80x3,1-R-EL	70322	2200+2	70323	2200	80	3,1	Ring	Zinc plated	●
W34-DH90x3,1-R-EL	70350	2200+2	70351	2200	90	3,1	Ring	Zinc plated	●
W34-DH98x3,1-R-EL	70352	2200+2	70353	2200	98	3,1	Ring	Zinc plated	●
NAILS RING - A2 ENOX									
W34-DH50x2,8-R-A2	70354	2200+2	70355	2200	50	2,8	Ring	A2 Stainless	●
W34-RH55x2,8-R-A2	70356	2200+2	70357	2200	55	2,8	Ring	A2 Stainless	●



SYMPAFIX NAILS

Finishing Tool GT/F16A
See page 84



68 | 69

Angle brads and gas for Sympafix GT/F16A

FEATURES

- **High grade** steel
- **Pinched** point
- 20-21 degree angle





BENEFITS

- **Reliable** performing nails
- Optimal **holding power**



70396



Brads for Sympafix GT/F16A, Paslode® IM250A / IM65A , DeWalt® DCN660 and Senco® F16A Fusion

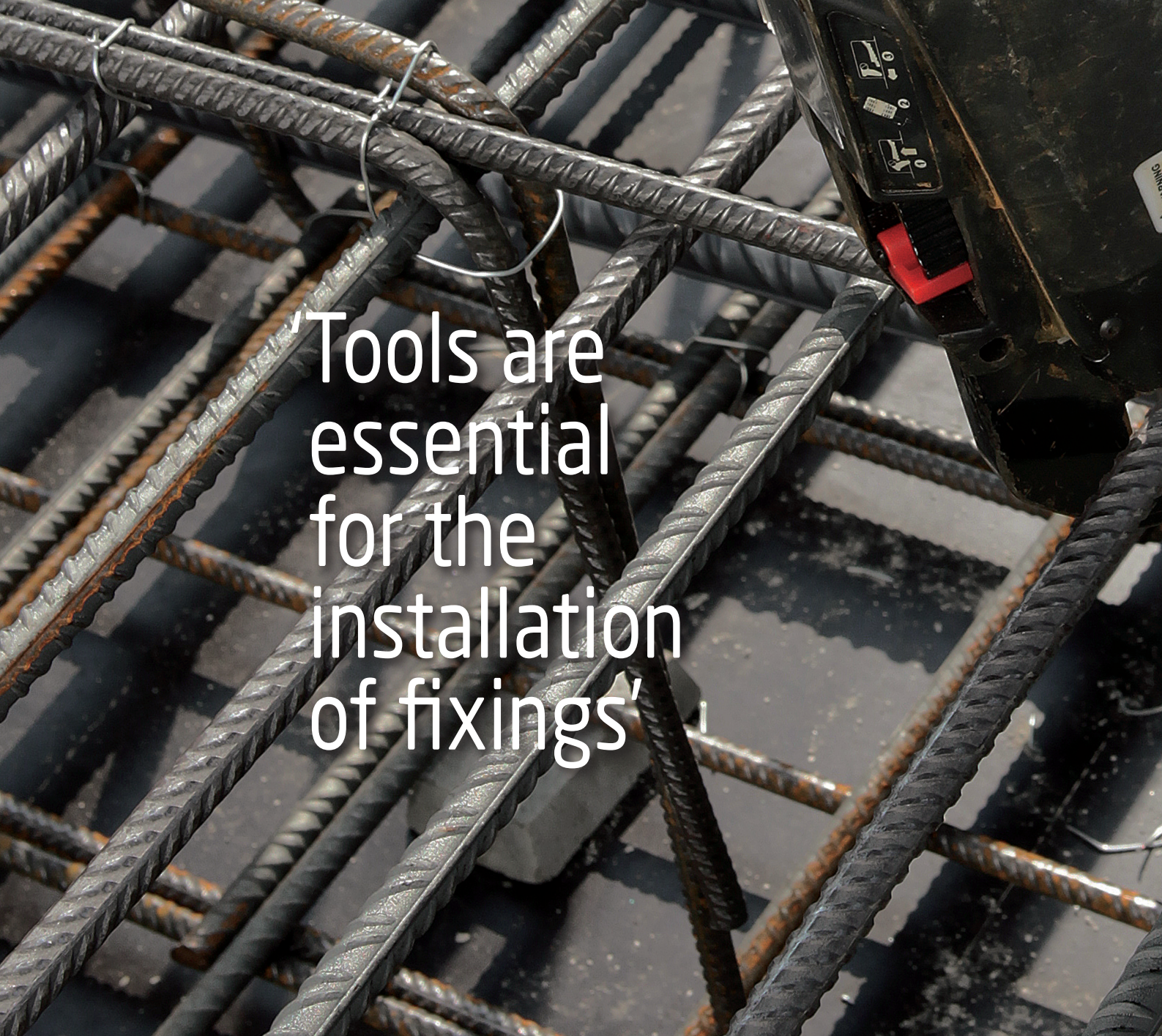
Type	Art. Nr.	 QTY	 QTY	 mm	 mm	Coating/Material
ANGLE BRADS ZINC PLATED						
PN-16ANBRAD-32EL	70380	2000	32000	32	1,6	Zinc plated
PN-16ANBRAD-38EL	70382	2000	32000	38	1,6	Zinc plated
PN-16ANBRAD-45EL	70384	2000	24000	45	1,6	Zinc plated
PN-16ANBRAD-50EL	70386	2000	24000	50	1,6	Zinc plated
PN-16ANBRAD-64EL	70388	2000	24000	64	1,6	Zinc plated
ANGLE BRADS STAINLESS STEEL A2						
PN-16ANBRAD-32A2	70390	2000	32000	32	1,6	A2 Stainless
PN-16ANBRAD-38A2	70392	2000	32000	38	1,6	A2 Stainless
PN-16ANBRAD-45A2	70394	2000	24000	45	1,6	A2 Stainless
PN-16ANBRAD-50A2	70396	2000	24000	50	1,6	A2 Stainless
PN-16ANBRAD-64A2	70398	2000	24000	64	1,6	A2 Stainless



70400

Fuel cell for Sympafix GT/F16A and Paslode® IM250A / IM65A

Type	Art. Nr.	 QTY	 QTY				
Mini Fuel Cell	70400	1	100				



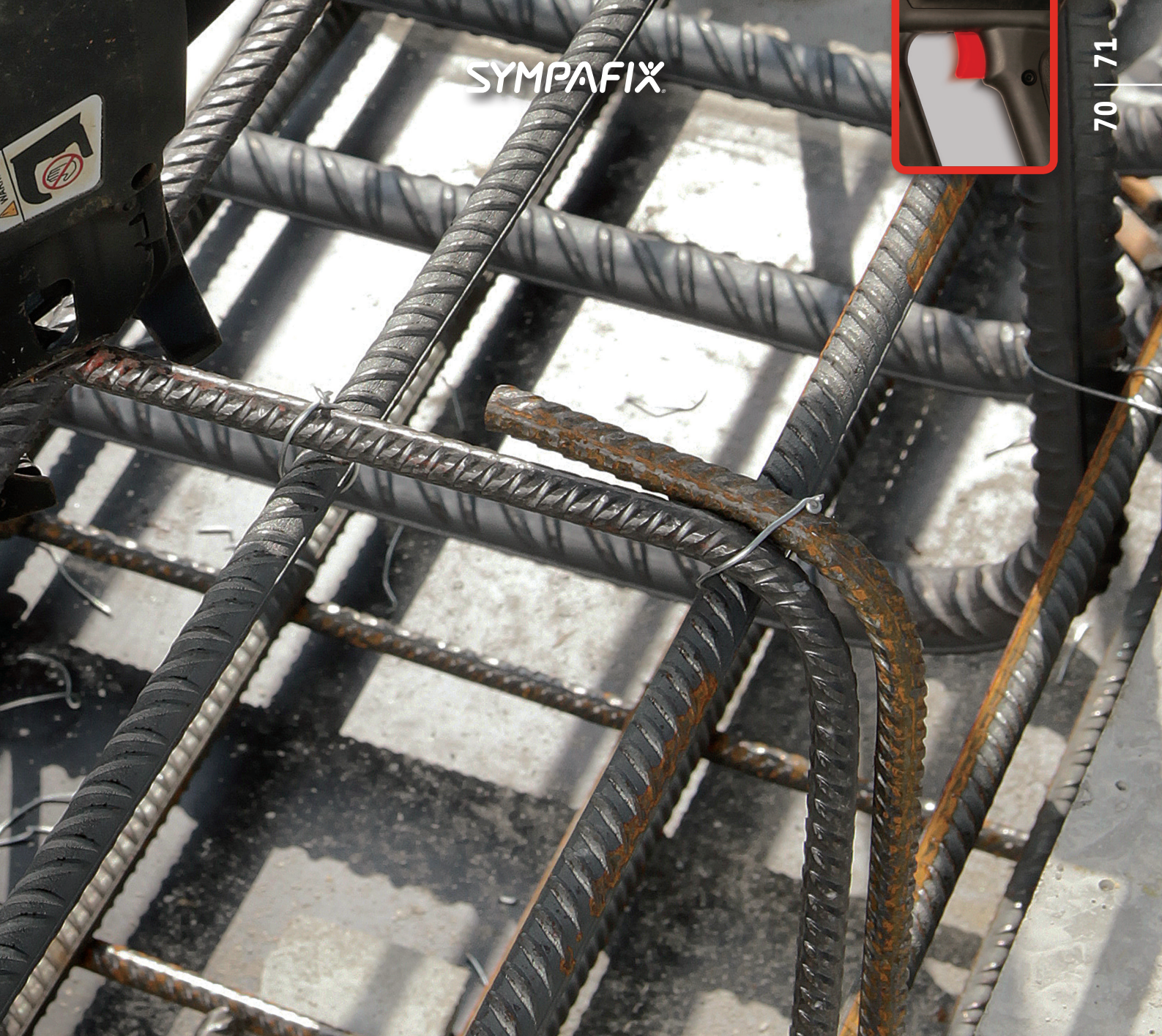
'Tools are
essential
for the
installation
of fixings'



SYMPAFIX
 **TOOLS**

serious fixings

Copyright © 2019 Sympafix. All rights reserved. While great care has been taken to ensure the accuracy of the descriptions of this catalogue, no rights can be derived from it.



CONTENTS

PAGE

CONTENTS

PAGE

RT200 rebar tool & wire	72
GT/C70 concrete & steel nailer	74
GT/C45 concrete & steel nailer	76
GT/ISO insulation nailer	78

GT/W100 framing nailer	80
GT/W90 framing nailer	82
GT/F16A finishing nailer	84
PX60M powder actuated tool	85



Tested and approved



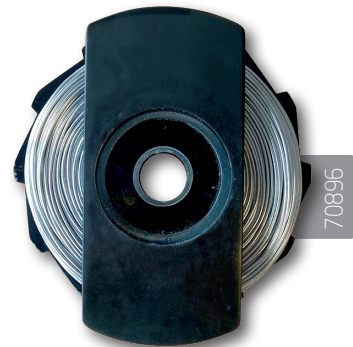
RT200-X Rebar tool

FEATURES



- Dial to select between **5 choices of wire tightness**
- Choice between **2 and 3 windings**
- **2 lithium ion batteries** included
- **100 meter** wire per coil
- Wire diameter **0,8mm**
- Wire suitable for use in **Sympafix RT200, Max 398 and Tjep**
- **Patented** wire coil

BENEFITS

- Multipurpose: **many applications**
- High autonomy
- Optimised battery position for **better balance**



RT200-X Rebar tool

Type	Art. Nr.	 QTY	 QTY	
RT200 REBAR TYING TOOL	70904	1		
RT200 GALVANISED WIRE	70896	50	2500	
RT200 BATTERY	70886	1		
RT200 CHARGER	70888	1		
RT200 EXTENTION-ARM	70890	1		
RT200 HOLSTER	70892	1		





RT200-X Rebar tool

- ① Dial for # of windings and bindings strength
- ② Suitable for 12-40mm
- ③ Trigger safety lock
- ④ Li-Ion battery
- ⑤ Soft grip
- ⑥ Easy access door for replacing wire
- ⑦ LED signal light



Aspect	Specification
DIMENSIONS (LXBXH):	293 x 284 x 100 MM
CLAMPING THICKNESS:	12-40 MM
WEIGHT:	2,3 KG
LIMIT OF USE:	2200 BINDINGS / FULL BATTERY
NUMBER OF BINDINGS PER SECOND:	1
BATTERY:	4,4 AH LI-ION; 14,4 V
CHARGING TIME BATTERY:	90 MINUTES
NUMBER OF WINDINGS:	2 OR 3



GT/C70 gas tool for concrete and steel

FEATURES

- Shoots pins **up to 70mm length**
- Including **2 Li-ion batteries** and quickcharger
- **Indication light** for battery capacity
- **150 Joules** power



BENEFITS

- Designed for fixing deflection heads and footplates
- **Wide range of pins** for many applications
- Robust design minimizes downtime
- Magazine removable
- **Depth** of drive adjuster
- Optimised battery position for **better balance**



Size	Short
Magazine	40 pins
Power	150 Joules

GT/C70 gas tool

Type	Art. Nr.	 QTY	 QTY	
GT/C70 NAILER	70000	1		
7,2V 2Ah BATTERY	70280	1		
7,2v 2Ah CHARGER BASE	70278	1		





GT/C70 gas tool specification

- ❶ Improved dust filter
- ❷ Unique 70mm nails magazine
- ❸ Improved motor for longer tool life
- ❹ Removable magazine
- ❺ Easy maintenance design
- ❻ Open magazine for quick nail length identification
- ❼ Li-ion battery with level indicator



Aspect	Specification
DIMENSIONS (LXBXH):	485 x 120 x 23 MM
NAIL TYPE:	20-70MM
WEIGHT:	4,72KG
LIMIT OF USE:	300 SHOTS / HOUR
NUMBER OF SHOTS PER SECOND:	2
BATTERY:	2,0 AH LI-ION WITH LEVEL INDICATION
CHARGING TIME BATTERY:	60 MINUTES
NUMBER OF SHOTS PER FULLY CHARGED BATTERY:	7.200
NUMBER OF SHOTS PER FUEL CELL:	700



Tested and approved



GT/C45 gas tool for concrete and steel

FEATURES



- **Compact and powerful** nail gun
- Suitable for concrete and steel nails, lengths **15 - 45mm**
- Supplied with **2 Li-Ion batteries, quick charger and carry case**
- Fully charged battery lasts **7200 shots**
- Battery has **LED level indication**

BENEFITS

- **Depth adjustment** for optimal drive of nails
- **Removable magazine** for quick jam clearance
- In combination with Sympafix fuel cells usable from **-10C°**



GT/C45 gas tool

Type	Art. Nr.	 QTY	 QTY	
GT/C70 NAILER	70000	1		
7,2V 2Ah BATTERY	70280	1		
7,2v 2Ah CHARGER BASE	70278	1		





GT/C45 gas tool specifications

- ❶ Depth aduster
- ❷ Improved dust filter
- ❸ Improved engine for longer life
- ❹ Removable magazine
- ❺ Metal magazine
- ❻ Soft grip
- ❼ Li-Ion battery with LED level indication
- ❽ Easy maintenance design



Aspect	Specification
DIMENSIONS (LXBXH):	435 X 120 X 380 MM
NAIL TYPE:	15 - 45 MM C45 PINS
WEIGHT:	3,99 KG
LIMIT OF USE:	500 SHOTS / HOUR
NUMBER OF SHOTS PER SECOND:	2
BATTERY:	2,0 AH LI-ION WITH LEVEL INDICATION
CHARGING TIME BATTERY:	60 MINUTES
NUMBER OF SHOTS PER FULLY CHARGED BATTERY:	7.200
NUMBER OF SHOTS PER FULL GASCAN:	1.100



Tested and approved



GT/ISO Isolation tool



FEATURES

- Deep embedment – Our embedment is **17-30mm**, better than any direct fixing systems in the market. It gives lowest failure rate with the system designed for your jobsite
- **Suitable for different insulation materials** – Our various options allow you to shoot both rigid insulation boards (e.g. extruded polystyrene insulation) and insulation foams (e.g. fiberglass insulation) materials.

BENEFITS

- **Ease of maintenance and services** – The tool is easy to disassemble, change of spare parts, and it is easy to carry around!
- No drill bits, extension leads or generators
- **4-times faster** than “screw type” insulation fasteners



Type	Art. Nr.	 QTY	 QTY	
GT/ISO INSULATION TOOL	70346	1		
7,2V 2Ah BATTERY	70280	1		
7,2v 2Ah CHARGER BASE	70278	1		





GT/ISO Isolation tool specifications

- ❶ Improved dust filter
- ❷ Improved engine for longer life
- ❸ Soft grip
- ❹ Li-Ion battery with LED level indication
- ❺ Easy maintenance design



Aspect	Specification
DIMENSIONS (LXH):	490 X 350 MM
TOOL WEIGHT:	3,5 KG
ENERGY (EST.):	105 J
FUEL CELL LIFE:	1100 SHOTS
TEMPERATURE RANGE:	10°C TO 49 °C
ENGINE:	420 CC
PIN HEAD DIAMETER:	8 MM
PIN SHANK DIAMETER	3.65 MM
PIN LENGTH	51MM
INSULATION THICKNESS	25MM-200MM
BATTERY VOLTAGE	7,2V
BATTERY CAPACITY	2 AH WITH LEVEL INDICATION
BATTERY CHARGE TIME	MAX. 60 MIN.
BATTERY LIFE	APPROX 7200 SHOTS



GT/W100 Framing nailer

FEATURES



- **Compact and powerful** nail gun
- Suitable for wood nail lengths **63mm - 100mm**
- Supplied with **2 Li-Ion batteries, quick charger and carry case**
- Fully charged battery lasts **7200 shots**
- Battery has **LED level indication**

BENEFITS

- **Depth adjustment** for optimal drive of nails
- **Removable magazine** for quick jam clearance
- In combination with Sympafix fuel cells usable from **-10°C**
- Wide assortment of nails conforming **CE and EC5 standards**



GT/W100 Framing nailer

Type	Art. Nr.	 QTY	 QTY	
GT/W100 NAILER	70276	1		
7,2V 2Ah BATTERY	70280	1		
7,2v 2Ah CHARGER BASE	70278	1		





GT/W100 specifications

- ① Depth aduster
- ② Low noise and vibrations
- ③ Low maintenance steel mesh filter
- ④ Removable magazine
- ⑤ Open metal magazine
- ⑥ Soft grip
- ⑦ Li-Ion battery with LED level indication



Aspect	Specification
DIMENSIONS (LXBXH):	350 x 120 410 mm
NAIL TYPE:	63 - 100 MM D-HEAD AND OFFSET NAILS
WEIGHT:	4,08 KG
LIMIT OF USE:	160 SHOTS / HOUR
NUMBER OF SHOTS PER SECOND:	2
BATTERY:	2,0 AH LI-ION WITH LEVEL INDICATION
CHARGING TIME BATTERY:	60 MINUTES
NUMBER OF SHOTS PER FULLY CHARGED BATTERY:	7.200
NUMBER OF SHOTS PER FULL GASCAN:	1.100



Tested and approved



GT/W90 gas woodnailer

FEATURES



- Shoots 34° wood nails up to **90mm**
- **Depth** of drive adjuster
- Including **2 batteries** and quickcharger

BENEFITS

- Designed for **roofing work**
- **Maintenance** has never been easier
- **Robust design** keeps downtime to a minimum
- Optimised battery position for **better balance**



Power 90 Joules

Type	Art. Nr.	 QTY	 QTY	
GT/W90 NAILER	70270	1		
GT/W90 BATTERY	71388	1		
GT/W90 CHARGER	71390	1		



GT/W90 specifications

- ① Depth aduster
- ② Low noise and vibrations
- ③ Low maintenance steel mesh filter
- ④ Removable magazine
- ⑤ Open metal magazine
- ⑥ Soft grip
- ⑦ Li-Ion battery with LED level indication



Aspect	Specification
DIMENSIONS (LXBXH):	360 X 120 X 385 mm
NAIL TYPE:	51 - 90 MM D-HEAD AND OFFSET NAILS
WEIGHT:	3,52 KG
LIMIT OF USE:	500 SHOTS / HOUR
NUMBER OF SHOTS PER SECOND:	2
BATTERY:	2,0 AH LI-ION WITH LEVEL INDICATION
CHARGING TIME BATTERY:	60 MINUTES
NUMBER OF SHOTS PER FULLY CHARGED BATTERY:	7.200
NUMBER OF SHOTS PER FULL GASCAN:	1.100



GT/F16A Finishing tool

FEATURES

- **Powerful Engine**
- **Compact and lightweight tool**
- **Depth adjustment system**
- **Single shot system**
- Suitable for nail lengths **32mm - 64mm**
- Suitable for f.e. **wood, multiplex, triplex and thin aluminium**

BENEFITS

- Supplied with **2 batteries and quickcharger**
- **Slim nosepiece with door lever** for quick removal of jammed nails
- **Quick and easy loading system** for angled 16 gauge nails
- **Safety mechanism** with empty magazine
- Shoots in **hard-to-reach corners** due to **angled magazine**



71460

GT/F16A Finishing tool

Type	Art. Nr.	QTY	
GT/F16A FINISHING TOOL	71460	1	
GT/F16A-W34 BATTERY	71462	1	
GT/F16A-W34 CHARGER BASE + 220V ADAPTER CORD	71468	1	



71462



71468



71468



Tested and approved



PX60M powder actuated tool with magazine

FEATURES

- **Disc** load tool
- Nails **up to 60mm**
- Fires collated nails and single shot nails



BENEFITS

- Disc loads **optimizes load use** and closed chamber reduces noise
- **Flexibility** with collated nails for repetitive work and single shot for installation work
- **Ergonomic design** for easy handling
- Quickly converted to single shot, for example isolation.



PX60M powder actuated tool with magazine

Weight	2.88kg
Size	455mm

Type	Art. Nr.	 QTY	 QTY	Max. nagellengte mm	
PX60M Tool Kit	70142	1		60	



All items displayed are included in the kit

GENERAL TERMS AND CONDITIONS OF DELIVERY OF SYMPAFIX B.V.

Article 1. Definitions

These general terms and conditions contain a number of terms marked with a capital letter which, unless expressly stated otherwise, are defined as follows:

Buyer: the other party involved, acting in the capacity of a trade or company.

Offer: the written tender from Sympafix relating to the Products to be delivered

Agreement: the contractual agreement between Sympafix and the Buyer;

Parties: Sympafix and the Buyer jointly;

Sympafix: Sympafix B.V., with company seat in Ridderkerk, user of these Terms and Conditions;

Products: the goods produced and/or delivered by Sympafix; Terms and Conditions: the present general conditions, as registered at the Chamber of Commerce in Rotterdam under number 59195495.

Article 2. General

2.1 The provisions of these Terms and Conditions are applicable to all quotations made by Sympafix (including Offers and related queries) and Agreements relating to Products to be delivered by Sympafix insofar as the Parties have not expressly, and in writing, deviated from these Terms and Conditions.

2.2 The application of general Terms and Conditions as applied by the Buyer shall be expressly excluded. By agreeing to this contract, the Buyer rescinds the right to his own potentially existing general Terms and Conditions to ensure that all Agreements are exclusively subject to the present Terms and Conditions.

2.3 Deviations from these Terms and Conditions shall only be binding if and insofar as Sympafix has confirmed them in writing.

2.4 In the event that the Terms and Conditions and an Agreement should contain contradicting clauses, the Agreement shall prevail.

2.5 In the event that one or more provisions of the Terms and Conditions are null and void the remaining provisions of these Terms and Conditions shall remain fully in force. Sympafix has the right to replace the voided provision(s) with new provisions, whereby, if and where possible, the aim and scope of the original provisions shall be observed.

Article 3. Offers

3.1 All tenders, in whichever form, are made without obligation. They shall not bind Sympafix and are only deemed to be an invitation to place an order, unless stated otherwise and in writing.

3.2 All details provided in an Offer such as - but not limited to - price lists, calculations, brochures etc. shall, at all times, remain the property of Sympafix and must be returned, postage paid, to Sympafix promptly, at first request.

3.3 The Buyer shall use all information provided by Sympafix exclusively for the purpose it was intended and shall not disclose any information to a third party.

Article 4. Agreement

4.1 An Offer binding Sympafix shall lead to an Agreement if it is accepted on time and completely, in writing, the failure of which shall deem an Agreement to be unexisting. Deviations from sub-clauses in the acceptance of the Offer shall be deemed unmentioned so that the Agreement shall be concluded in complete accordance with the Offer.

4.2 "On time", as specified in the previous Article, means that the acceptance of the Offer shall arrive at the office of Sympafix within the time limit stated in the Offer and, if no such time limit is specified, within 30 working days after the date of the Offer.

4.3 In all other cases any orders from the Buyer shall only bind Sympafix and therefore an Agreement shall only be concluded after Sympafix has confirmed this in writing, or Sympafix has commenced with the implementation of the order, without prejudice to the provisions stated in Article 4.5 of these Terms and Conditions. In the case that Sympafix has not confirmed the order within 10 working days after the order has arrived at its offices and if Sympafix have not commenced with the implementation of the order within that time limit, then no Agreement shall have been concluded.

4.4 The order confirmation from Sympafix shall be considered accurate, unless an objection to the contrary

is made to Sympafix in writing upon receipt of the confirmation. In this event, an Agreement shall not have been concluded.

4.5 Sympafix shall have the right to verbally accept an order.

The verbal acceptance of an order shall only be binding upon Sympafix if it was agreed by an authorised person. In this event the existence and the content of the Agreement shall be subject to Dutch evidential law.

4.6 Possible subsequent supplementary agreements or amendments, including (verbal) agreements and/or confirmation by employees of Sympafix or made on behalf of Sympafix by sales personnel, agents, company representatives or other intermediaries, shall only bind Sympafix in the event and as far as these persons have been granted written authorisation from Sympafix.

4.7 For those services, for which no Offer or even order confirmation would be sent because of their nature and scope, the invoice shall also be deemed to act as the order confirmation, which in its turn is deemed to contain the accurate and complete details of the Agreement.

4.8 In the event - entirely at the discretion of Sympafix - that the Buyer appears to be unable to fulfil the payments specified in the Agreement, Sympafix shall have the right to dissolve the Agreement without the prerequisite of further default or judicial intervention, without prejudice to its remaining rights and with no liability for potential damages.

4.9 Sympafix shall have the right to instruct a third party to undertake certain work.

Article 5. Prices

5.1 Unless agreed otherwise and in writing, all prices are fixed and are deemed to be carriage paid place of delivery, exclusive of VAT and other official duties, as well as being exclusive of all expenses necessary for the execution of the Agreement, among which - but not limited to - transport charges, packaging, insurance etc.

5.2 Sympafix shall, insofar as no delivery has been carried out, at all times have the right, even after conclusion of the Agreement, to make adjustments to prices as a result of changes in one or more circumstances that may have affected the quoted prices.

5.3 A quotation shall not bind Sympafix to a partial delivery of the Products included in the Agreement for a concordant part of the quoted price.

5.4 Offers or quotes shall not automatically apply to repeat orders.

Article 6. Payment and surety

6.1 Payment shall be made within 30 days after the invoice date, unless stated otherwise.

6.2 All payments shall be made within The Netherlands, in Euros, and the Buyer shall have no right to suspension, deduction or off-setting of costs.

6.3 In the event that Sympafix accepts a security in connection with a payment, the security shall only be accepted as surety and payment shall not be deemed completed until all outstanding receivables have been credited or have been received by Sympafix in cash.

6.4 Any payments made by the Buyer shall first be added to outstanding interest, then to the debt collecting charges and/or administration costs incurred by Sympafix and only then to the oldest outstanding receivable/invoice.

6.5 In the event that the Buyer defaults on an obligation toward Sympafix - whether it be completely, partially or late - or has requested a moratorium of payment or is declared bankrupt or has made an application in this respect or has gone into liquidation, he shall be deemed to be officially in default and all outstanding payments to Sympafix shall be due at call and interest shall be outstanding from this date or the previous due date. The Buyer shall be obliged to pay for all out of court expenses that Sympafix incurs without prejudice to its claim for potential legal expenses.

6.6 Additionally Sympafix shall have the right, in such an instance, to suspend the (further) execution of its duties for a maximum of 2 months and to reclaim the Products owned by Sympafix or to partially or fully dissolve the existing Agreement and any other potential Agreements made with the Buyer, without prejudice to the remaining rights. During the suspension period, Sympafix shall have the right and ultimately the obligation, to decide whether to (re)commence execution or to completely or partially dissolve the suspended Agreement(s).

6.7 Where there are justified reservations with regard to the

Buyer's solvency, Sympafix shall have the right to make deliveries under C.O.D. terms, whereby the delivery costs shall be charged to the Buyer or (several) forms of security shall be required to ensure that payments as well as other obligations are fulfilled. The Buyer is in particular obliged to cooperate in establishing a (silent) right of distraint or lien to the goods as specified by Sympafix. In the event that the Buyer refuses or is unable to provide adequate security, Sympafix shall have the right to rescind the Agreement in part or in full without judicial intervention, without prejudice to its remaining rights and without being held liable for compensation.

Article 7. Delivery risk and delivery date

7.1 Unless otherwise agreed, the delivery terms are ex works from the location of the factory/warehouse/or other storage areas as soon as Sympafix has made the Products available to the Buyer. As soon as the Products are available to the Buyer, the risk of loss or damage of these Products shall be transferred to the Buyer. The Buyer is obliged to check the Products and/or packaging for any shortages and/or visible damage upon collection, or to have them checked by whomever is collecting the Products on their behalf. Defects should be reported within 14 days after delivery, in accordance with Article 13 of these Terms and Conditions.

7.2 The Buyer should mark down any shortages or damages to the Products and/or packaging that (may) be established upon delivery on the delivery note, the invoice and/or the transport documentation. Failure to do so will result in the damaged goods not being retaken. Decisions will be based on the administration of Sympafix.

7.3 Sympafix shall have the right to partial consignments (partial deliveries) of the Products, which may be invoiced separately. In this event the Buyer shall be obliged to make payments in accordance with Article 6 of these Terms and Conditions.

7.4 Delivery periods shall be estimates. The proposed delivery date should not be viewed as being the ultimate lead-time, unless expressly agreed otherwise.

7.5 Sympafix shall not be liable for compensation as a result of late deliveries. In the event of repeated delays in delivery, the Buyer shall formally declare Sympafix to be in default and notify them of a final (reasonable) date for delivery. In the event that the delivery has not taken place within the agreed final delivery period, the Buyer shall have the right to dissolve the Agreement, unless Sympafix has invoked force majeure (see Article 10 of these Terms and Conditions).

7.6 In the event that the Products, after notification from Sympafix that they are ready for collection, have not been collected by the Buyer within a period of 4 weeks, Sympafix shall have the right to resell these Products. The potential loss of profit and the expenses will be charged to the Buyer, without prejudice to the remaining rights of Sympafix.

Article 8. Transport and risk

8.1 Instructions from the Buyer to Sympafix to arrange transport, carriage and/or insurance of the Products, shall only be undertaken by Sympafix if the Buyer has confirmed in writing that he will bear the costs thereof and accept and cover the resulting (additional) risk by means of (supplementary) insurance, thus without prejudice to the provisions as stated in Article 7.

8.2 The Buyer shall bear the costs and risks for the transport of the Products, even in the event that the hauler insists on adding a clause to the bill of lading, transport addresses, etc. stating that the sender of the Products shall bear the costs and risks arising from transport damages.

Article 9. Retention of title

9.1 Sympafix shall retain the title to all Products delivered to the Buyer until Sympafix have received full payment for the delivery based on this Agreement, including potential compensation payments, expenses, interest and penalties and also if security payments have been made.

9.2 The Buyer shall not be authorised to pledge, in any way encumber, or dispose of the Products under retention of title.

9.3 In the event that a third party claims the delivered Products under retention of title, or asserts to have a right to the same, the Buyer shall be obliged to inform Sympafix as quickly as can reasonably be expected, and shall also inform such third party that the Products belong to Sympafix.

9.4 The Buyer shall be obligated to store the Products separately, to mark them clearly as the property of Sympafix, and to insure and continue to insure them against fire, water and other damage as well as against theft and provide the insurance policy for the perusal of Sympafix at their first request, until title in such Products has vested in the Buyer pursuant to this Article 9.

9.5 As long as the retention of title applies to the Products delivered by Sympafix to the Buyer, the Buyer shall not be authorised to process, manipulate or modify the Products, except and in as far as in the ordinary course of business.

9.6 In the event that the Buyer fails to pay any sums due by the date that such payment is due, Sympafix shall have the right to retake all unpaid Products insofar as they have already been delivered to the Buyer. The Buyer shall authorise the return of all Products to Sympafix at his expense. In the event that the Buyer has disposed of any Products prior to title vesting in him, Sympafix shall be entitled to take other Products that are in the possession of the Buyer (notwithstanding that payment in respect of such Products may have been made already or is not yet due) to the value of the unpaid Products.

9.7 The Buyer hereby grants Sympafix and its designated representatives the irrevocable right to enter his premises for the purpose of recovery of all Products in which Sympafix retains title pursuant to Article 9.6.

Article 10. Force majeure

10.1 Sympafix obligations to implement the Agreement shall be suspended for the period that the implementation is prevented as a result of force majeure. Prevention shall be interpreted as "with serious difficulty".

10.2 Force majeure also comprises war, threat of war, civil war, unrest, risk of civil unrest, fire, earthquake, water damage, flooding, strike, occupation of premises, obstructions to import and export, government regulations, defects on machinery and interruptions in the delivery of water and/or power to the premises of Sympafix.

10.3 Force majeure also comprises circumstances such as specified in Article 10.2 of these Terms and Conditions occurring within the companies of third parties, whose services, materials, raw materials, etc. Sympafix requires either fully or partially.

10.4 Forces majeure also comprises circumstances as those specified in Article 10.2 of these Terms and Conditions, whereby damage occurs during storage or transport of the Products, whether or not occurring under personal management.

10.5 Force majeure also relates to all other circumstances outside Sympafix' scope of control, with the exception of intent or gross negligence on the part of Sympafix and of those people who have been charged by Sympafix with the responsibility of executing the Agreement.

10.6 In the event that the execution of (a part of) the Agreement is delayed by more than a month, both Parties shall have the right to dissolve the (remainder of) the Agreement. This shall not automatically lead to reciprocal indemnification. Sympafix shall return any possible advance payments on the condition that the services already rendered shall be paid for by the Buyer and/or shall be off-set pro rata against the agreed invoice value.

Article 11. Guarantee

11.1 Sympafix guarantees that the parts and accessories of its delivered Products will be in proper working order for a period of 1 year, from the date of delivery. Sympafix guarantees that the battery and charger of the Products, if included in the delivery by Sympafix will be in proper working order for a period of 6 months, to be counted from the date of delivery.

11.2 In the event that the delivered Products do not satisfy these guarantees, the Buyer shall make a report in writing to Sympafix in accordance with Article 13 of these Terms and Conditions. Sympafix shall only be

obliged to replace the defective part or accessory and shall not be liable for further charges of whatever nature. The Buyer, here and now and for the future, agrees to return the part or accessory that is to be replaced to Sympafix at their first request and to transfer the title of the part of accessory to Sympafix. In accordance with Article 11.1., the guarantee for the part or accessory that is to be replaced shall be valid for the remainder of the guarantee period that applied for the original part or accessory.

11.3 The guarantee named in this Article shall not be valid for defects that result from inappropriate or incorrect use or when the Buyer or third parties have made modifications or have attempted to make modifications to the Products without the written consent of Sympafix or if the Products have been used for unsuitable purposes.

11.4 In the event that the guarantee made by Sympafix relates to a part or accessory that was produced by a third party, the guarantee shall be limited to the manufacturers' guarantee.

Article 12. Liability

12.1 Sympafix shall not be liable for any damages, barring in cases where wilful or gross negligence cannot officially be excluded. This refers to direct and indirect damage, operational damage and damage as a result of thirdparty liability. In the case of wilful or gross negligence the burden of proof rests with the Buyer.

12.2 Sympafix shall not be liable for direct or indirect damages, operational damage and damage as a result of third-party liability caused by Sympafix' employees or others employed during the execution of the Agreement, who have not been made responsible for its execution. This exclusion also comprises intent and gross negligence.

12.3 With the exception of the specifications of Article 11, Sympafix shall not be liable for direct or indirect damage, company damage and damage as a result of liability of the Buyer held against third parties, caused by or in connection with the type of defects of the delivered Products or by the fact that the delivered Products do not consist of the quality that the Buyer would be expecting on the basis of the Agreement.

12.4 Subject to Sympafix' fulfilling the conditions as specified in Article 13, the liability of Sympafix shall, at all times, be limited to the net invoice value of the delivered Products or, at the discretion of Sympafix, to the maximum amount paid out by the liability insurance of Sympafix.

12.5 As far as those Products are concerned which are bought in by Sympafix from third parties, the liability towards the Buyer for those shall never exceed the third-party liability to Sympafix.

12.6 For delivered Products and/or in the event of services undertaken within the framework of delivery, the Buyer shall indemnify Sympafix against claims from third parties, in those instances where Sympafix' liability towards the Buyer has been excluded.

Article 13. Complaints and returns

13.1 Without prejudice to what is mentioned elsewhere in these Terms and Conditions, all complaints regarding immediately visible defects must be reported to Sympafix in writing within 14 days after delivery, with exact details of the nature and extent of the complaints being provided. The same lead-time of 14 days after the delivery date shall also apply to invoices.

13.2 To those complaints with regard to flaws/defects that may not be apparent before use (and are therefore not visible on delivery) a final time limit of 6 months after delivery shall apply, whereby the complaint must be made within 8 days following the detection of the defect.

13.3 After the time limit(s) has (or have) expired, the Buyer shall be deemed to have accepted the delivery, respectively the invoice, and, as a result, Sympafix shall no longer accept complaints.

13.4 Honouring complaints for Products that have been delivered shall only occur in accordance with the terms of Article 11.

13.5 The submission of a complaint shall never release the Buyer from his payment obligations.

13.6 Returns of delivered Products can only be undertaken after prior written agreement from Sympafix and after Sympafix has allocated a goods' return number (GRN) to

these Products. The Buyer shall include the GRN on the delivery note. The Buyer shall return the Products, carriage paid, to the warehouse of Sympafix in The Netherlands.

13.7 In the case that the Buyer returns Products in accordance with Article 13.6, excluding flaws/defects, then the Buyer shall owe 20% of the invoice value pertaining to these Products to Sympafix. Products with a sell-by date cannot be returned, with the exception of flaws/defects and without prejudice to the terms of Article 13.6.

Article 14. Intellectual property rights

14.1 All rights to intellectual and industrial property with regard to goods and services that are or shall be developed, established and registered, such as copyright, design rights, patent rights, database rights etc., shall solely rest with Sympafix.

14.2 The Buyer is not entitled to claim any intellectual and industrial property rights relevant to the Products. Furthermore, the Buyer is not entitled to claim any rights to intellectual and industrial property corresponding with intellectual and industrial property rights held by Sympafix or which could confuse the general public.

14.3 The Buyer shall under no circumstances be permitted to alter the Products or to change or remove any trademarks in or on the Products referring to the manufacturer or to Sympafix.

Article 15. Jurisdiction

In the event that the Buyer consists of more than one legal person, then they shall all be liable for fulfilling the obligations of the Buyer to Sympafix.

Article 16. Abbreviated limitation period

All legal claims of the Buyer on Sympafix based on this Agreement or the law shall expire after the period of one year after the limitation period has commenced.

Article 17. Secrecy

Sympafix shall handle all information provided by the Buyer as strictly confidential; this also applies after termination of the business relationship. The Buyer shall be obligated to secrecy with regard to all information he has received or has been made aware of in respect of Sympafix and its products.

Article 18. Applicable Law

18.1 The legal relationship between Sympafix and the Buyer, with the exclusion of the Vienna Purchase Agreement (Convention on International Sales of Goods 1980) shall be governed by Dutch law.

18.2 The official Dutch version of these Terms and Conditions is deemed binding. In the event of any legal disputes with regard to one or more clauses of these Terms and Conditions, the remaining clauses shall not be affected. Furthermore, Article 2.5 shall apply in this case.

18.3 With regard to the interpretation of international commercial terminology, the "Incoterms 2000" as compiled by the International Chamber of Commerce in Paris (I.C.C.) are applicable, meaning the most recent version thereof.

Article 19. Autorised Judge

19.1 All disputes that arise from the legal relationship between Sympafix and the Buyer shall be submitted for judgement to and settled by the Dutch courts. If the court of first instance is authorised, then disputes shall exclusively be submitted for judgement to the court in Rotterdam.

19.2 Notwithstanding what is stated in Article 19.1 Sympafix shall have the right to submit the dispute to the authorised civil judge for judgement, in accordance with the normal competency rules, or to resolve the dispute by means of arbitration or binding advice.



SYMPAFIX®

serious fixings

SYMPAFIX®

catalogue 2018|2019

www.sympafix.com

for serious projects

E sales@sympafix.com | W www.sympafix.com