

SANKO TECHNO GROUP
SANKO FASTEM (VIETNAM) LTD.

www.sankovn.com



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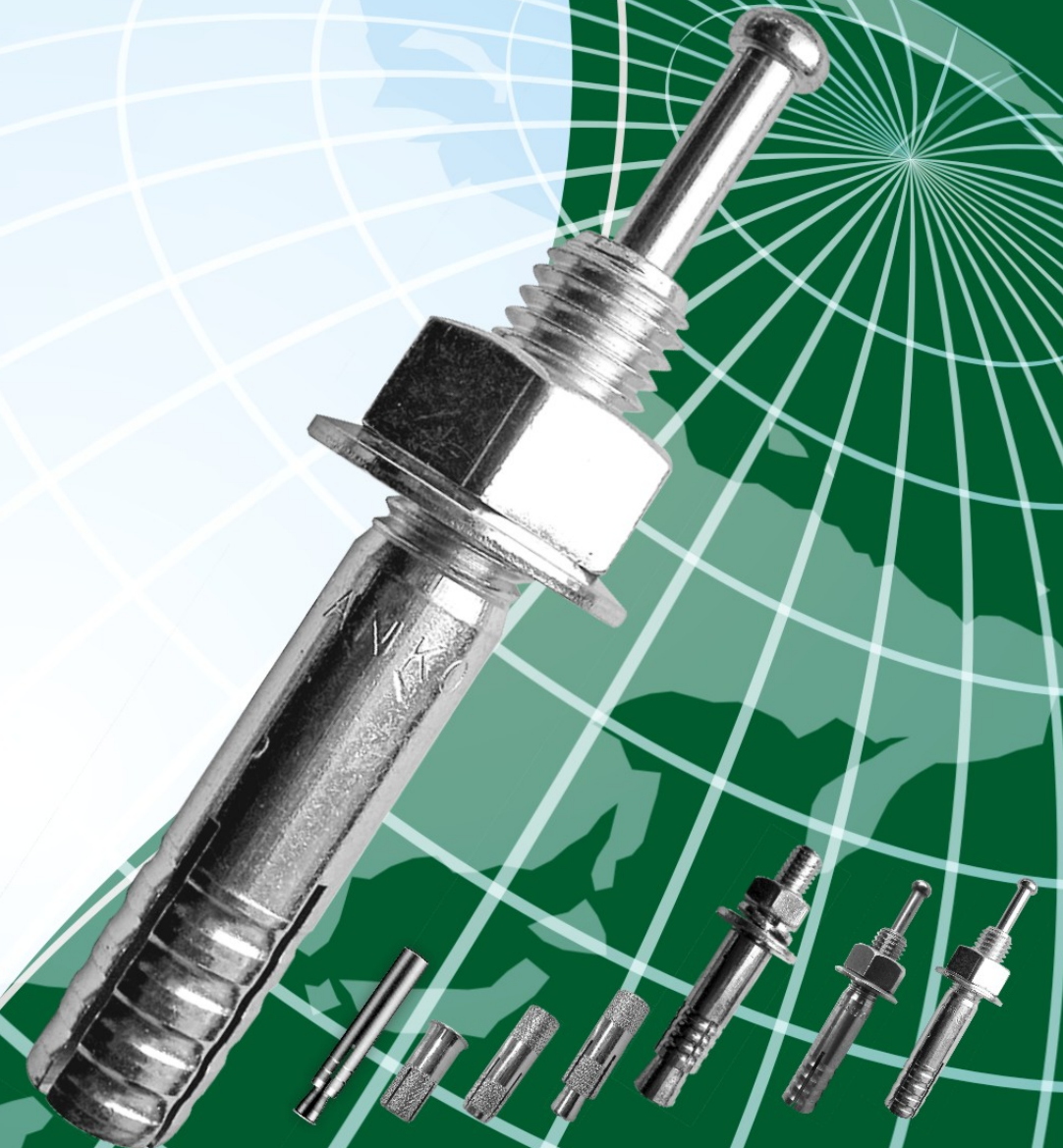


SANKO FASTEM (VIETNAM) LTD.

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SANKO HIGH QUALITY
ANCHORING SYSTEMS



COMPANY PROFILE



Mr. Hideto Horage
Chief Executive Officer
SANKO TECHNO GROUP

The Sanko Techno Group in Japan was established in 1964. The group has been growing up until now includes three factories in two countries. Our products include Stainless Steel Anchors, Steel Anchors, Drill Bits and Roofing System.

The Sanko Fastem (Thailand) Ltd., a subsidiary of Sanko Techno Group (Japan), was founded in 1988, when the group realized an opportunity to expand its business. Thailand was selected as the preferential site due to the economic reason, the stability of its politics, and as well as its potential market. The transfer of technical know-how from Japan is completed to make us have full ability to produce in the highest quality products. We have been the leading manufacturer of premium expansion anchors supply to local market. And we are also looking forward to expand our business globally.

Add more safety by certification of JCAA

We contribute our support to construct safety town by our technique and trust with long history. Our products is quite useful and used in various construction site. JCAA (Japan Construction Anchor Association) certificate our products. They assure our products possess high quality and high efficiency. Even we received their certification, still make a effort to aim more safety and more trust for our customer.

What is JCAA certification

Certification committee consists of government officer, concerned organization and specialists. The committee invests and evaluates application document like a certification of quality inspection. If quality and efficiency is reached satisfied level, they certify that product is enough goods for good quality construction.

ISO-9001: 2008 Quality Policy

Sanko Fastem (Thailand) Ltd. be engrossed in to produce and sell goods that is of good quality include serve that be excellent. By stay on the base of the regulation that relates including quality development of goods and the personnel continuously for meet the requirement of topmost customer.

On be half of Sanko Fastem (Thailand) Ltd.

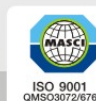
Mr. Wittawat Khunawut

General Director

Sanko Fastem (Vietnam) Ltd.

ISO-14001: 2004 system administration side environment policy

There is the will to manage administration side environment system. For decrease the effect that is born build the environment. By begin as, cure dirty water system such as, BOD value, electric energy conservation. Garbage dangerous administration and not dangerous. Water saving in dipping metal step and decrease the work from dipping. In order that give establish side environment policy of a company. By the overall image has as follows

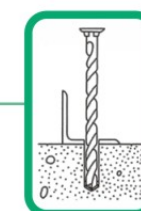


C Type

HAMMER DRIVE ANCHOR



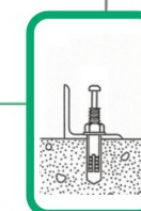
- 1 HARDENED CENTER PIN
- 2 METRIC AND UNIFIED COARSE SCREW THREADS
- 3 HEXAGON NUT WITH CAPTIVE SPRING WASHER
- 4 SLOTTED ANCHOR BASE EXPANDS INTO CONCRETE WHEN PIN IS DRIVEN
- 5 GROOVES MAXIMIZE GRIP



Drilling hole with recommended diameter and depth



Cleaning hole



Preset nut/washer for desired embedment



Hammer center pin flush with top of the bolt



Anchor legs expanded and maximize holding power

THE ANCHOR THAT INDICATES PRODUCTIVITY

Installation time is greatly reduce using hammer action in lieu of the consuming turning action of expanding nut or other anchors.

SPECIAL FEATURES

1. Save time, no special tools required.
2. Depth of hole not critical, no depth gauge required.
3. Unlike other anchor styles, no torque wrench is required to set, simply drive pin flush with top for positive anchor setting.
4. Other anchor styles rise when tightening nut and require longer anchor for same strength.
5. Zinc plus chrome coating for corrosion resistance.
6. High strength steel with greater leg expansion ensure more firm contact with concrete than anchors made with other materials such as lead.

APPLICATIONS

- Outlet boxes
- Stadium seats
- Steel buildings
- Wood plates
- Machine location
- Parking meter
- Wall hangers
- Livestock equipment
- Belt mounting
- Distribution panels
- Bracing
- Shelving
- Baseboard heating
- Grain bins

Standard Hammer Application		
Size	lbs	Hammer Down (times)
M6, 1/4	1.0	3 - 5
M8, 5/16	1.0	4 - 6
M10, 3/8	2.0	5 - 7
M12, 1/2	2.0	6 - 8
M16, 5/8	3.0	9 - 14
M20, 3/4	3.0	13 - 18



THE ANCHOR THAT INDICATES WHEN IT IS PROPERLY SET

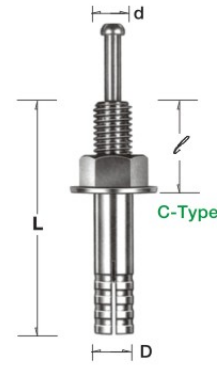
When Hammer Driver Anchor is "Set" Center Pin is flushed with top of the bolt.



THE ANCHOR THAT HAS A CHOICE OF HEAD STYLES

Presetting nut is permit finished or stud head installation.

HAMMER DRIVE ANCHOR



C Type Metric Coarse Screw Threads
Carbon Steel with Zinc Chromate Plated

Product No.	d	D	L		Drill Bit	Pull Out Figures Initial Ultimate	Shear Load	Depth of Embedment
C-645	M6	6	45	15	6.0	200 400	652	30
C-660	M6	6	60	20	6.0			
C-840	M8	8	40	15	8.0			
C-850	M8	8	50	20	8.0	360 705	1,030	35
C-870	M8	8	70	25	8.0			
C-890	M8	8	90	25	8.0			
C-1050	M10	10	50	20	10.0	410 870		30
C-1060	M10	10	60	25	10.0			
C-1070	M10	10	70	25	10.0			
C-1080	M10	10	80	25	10.0	732 1,180	1,640	40
C-1090	M10	10	90	30	10.0			
C-1010	M10	10	100	30	10.0			
C-1012	M10	10	120	30	10.0			
C-1260	M12	12	60	20	12.0	1,020 1,460		40
C-1270	M12	12	70	25	12.0			
C-1280	M12	12	80	25	12.0			
C-1290	M12	12	90	30	12.0	1,360 1,826	2,380	50
C-1210	M12	12	100	30	12.0			
C-1212	M12	12	120	50	12.0			
C-1215	M12	12	150	50	12.0			
C-1680	M16	16	80	30	16.0	1,755 2,340		50
C-1610	M16	16	100	40	16.0			
C-1612	M16	16	120	40	16.0	2,425 3,210	4,890	60
C-1615	M16	16	150	50	16.0			
C-1619	M16	16	190	50	16.0			
C-2010	M20	20	100	40	22.0	2,400 3,200		60
C-2013	M20	20	130	50	22.0			
C-2015	M20	20	150	50	22.0	3,320 4,850	7,510	80
C-2019	M20	20	190	50	22.0			
C-2023	M20	20	230	50	22.0			

C Type Unified Coarse Screw Threads
Carbon Steel with Zinc Chromate Plated

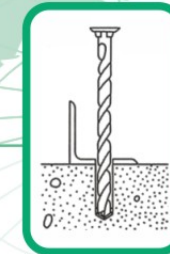
Product No.	d	D	L		Drill Bit	Pull Out Figures Initial Ultimate	Shear Load	Depth of Embedment
C-2045U	1/4UNC	6.4	45	15	1/4	200 400	652	30
C-2060U	1/4UNC	6.4	60	20	1/4			
C-2550U	5/16UNC	7.9	50	20	5/16	360 705	1,630	35
C-2570U	5/16UNC	7.9	70	25	5/16			
C-3060U	3/8UNC	9.5	60	25	3/8			
C-3080U	3/8UNC	9.5	80	25	3/8	732 1,180	1,640	40
C-3090U	3/8UNC	9.5	90	30	3/8			
C-4070U	1/2UNC	12.7	70	25	1/2			
C-4090U	1/2UNC	12.7	90	30	1/2			
C-4100U	1/2UNC	12.7	100	40	1/2	1,360 1,826	2,380	50
C-4120U	1/2UNC	12.7	120	50	1/2			
C-4150U	1/2UNC	12.7	150	50	1/2			

Concrete compressive strength 210 kgf/cm²

SC Type Stainless Steel



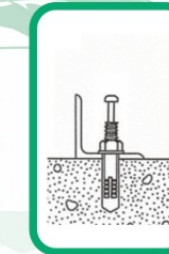
- 1 HARDENED CENTER PIN
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- 4 SLOTTED ANCHOR BASE EXPANDS INTO CONCRETE WHEN PIN IS DRIVEN
- 5 GROOVES MAXIMIZE GRIP



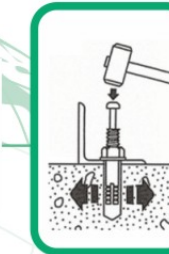
Drilling hole with recommended diameter and depth



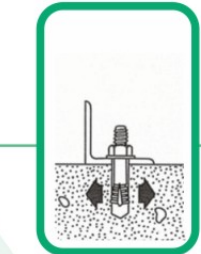
Cleaning hole



Preset nut/washer for desired embedment



Hammer center pin flush with top of the bolt



Anchor legs expanded and maximize holding power

THE ANCHOR THAT INDICATES PRODUCTIVITY

Installation time is greatly reduce using hammer action in lieu of the consuming turning action of expanding nut or other anchors.

SPECIAL FEATURES

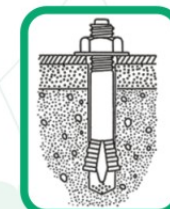
1. Save time, no special tools required.
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3. Unlike other anchor styles, no torque wrench is required to set, simply drive pin flush with top for positive anchor setting.
4. Other anchor styles rise when tightening nut and require longer anchor for same strength.
5. High strength steel with greater leg expansion ensure more firm contact with concrete than anchors made with other materials such as lead.

APPLICATIONS

- Hygienic equipment
- Machine location
- Distribution panels
- Outlet boxes
- Parking meter
- Bracing
- Stadium seats
- Wall hangers
- Shelving
- Steel buildings
- Livestock equipment
- Baseboard heating
- Wood plates
- Belt mounting
- Grain bins

Standard Hammer Application

Size	lbs	Hammer Down (times)
M6, 1/4	1.0	3 - 5
M8, 5/16	1.0	4 - 6
M10, 3/8	2.0	5 - 7
M12, 1/2	2.0	6 - 8
M16, 5/8	3.0	9 - 14
M20, 3/4	3.0	13 - 18



THE ANCHOR THAT INDICATES WHEN IT IS PROPERLY SET

When Hammer Driver Anchor is "Set" Center Pin is flushed with top of the bolt.

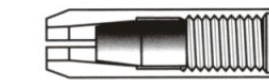
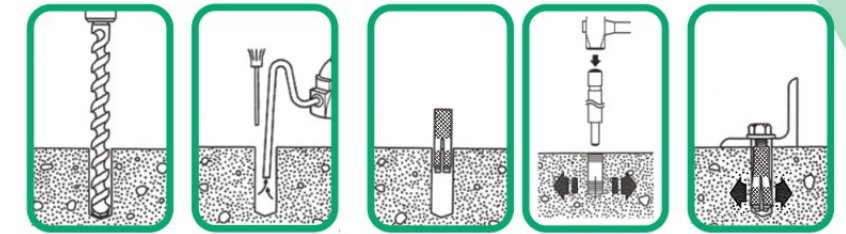


THE ANCHOR THAT HAS A CHOICE OF HEAD STYLES

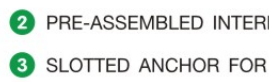
Presetting nut is permit finished or stud head installation.

HAMMER DRIVE ANCHOR

CT Type DROP-IN ANCHOR



1 FLUSH MOUNTED FIXING WITH INTERNAL THREAD



2 PRE-ASSEMBLED INTERNAL PLUG



3 SLOTTED ANCHOR FOR BASE EXPANSION



APPLICATIONS

Insulated boiler pipe, Hanging blowers and Heaters, Angle iron and Channels, Hanging conduit

CT Type Whitworth Coarse Screw Threads Carbon Steel with Zinc Chromate Plated

Product No.	d	D	L	ℓ	Drill Bit		Pull Out Figures		Depth of Embedment
					In	mm			
CT-2025	W 1/4	8.0	25	10	5/16	8.0	580	690	25
CT-2530	W 5/16	10.0	30	14	3/8	10.0	950	1,100	30
CT-3040	W 3/8	12.0	40	15	1/2	12.0	1,000	1,500	40
CT-4050	W 1/2	16.0	50	20	5/8	16.0	1,900	2,500	50
CT-5060	W 5/8	20.0	60	25	3/4	20.0	3,070	3,650	60

CT Type Unified Coarse Screw Threads Carbon Steel with Zinc Chromate Plated

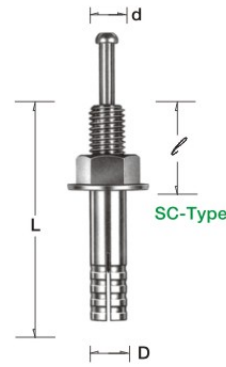
Product No.	d	D	L	ℓ	Drill Bit		Pull Out Figures		Depth of Embedment
					In	mm			
CT-2025U	1/4UNC	8.0	25	10	5/16	8.0	580	690	25
CT-2530U	5/16UNC	10.0	30	14	3/8	10.0	950	1,100	30
CT-3040U	3/8UNC	12.7	40	15	1/2	13.0	1,000	1,500	40
CT-4050U	1/2UNC	16.0	50	20	5/8	16.0	1,900	2,500	50
CT-5060U	5/8UNC	20.0	60	25	3/4	20.0	3,070	3,650	60

CT Type Metric Coarse Screw Threads Carbon Steel with Zinc Chromate Plated

Product No.	d	D	L	ℓ	Drill Bit		Pull Out Figures		Depth of Embedment
					In	mm			
CT-625	M6	8.0	25	10	5/16	8.0	580	690	25
CT-830	M8	10.0	30	14	3/8	10.0	950	1,100	30
CT-1040	M10	12.0	40	15	1/2	12.0	1,000	1,500	40
CT-1250	M12	16.0	50	20	5/8	16.0	1,900	2,500	50
CT-1660	M16	20.0	60	25	3/4	20.0	3,070	3,650	60

Concrete compressive strength 210 kgf/cm²

SC Type Metric Coarse Screw Threads Stainless Steel Type



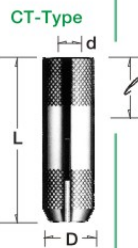
Product No.	d	D	L	ℓ	Drill Bit	Pull Out Figures		Shear Load	Depth of Embedment
						Initial	Ultimate		
SC-645	M6	6	45	15	6.0	205	462	684	30
SC-660	M6	6	60	20	6.0				
SC-850	M8	8	50	20	8.0	350	670	1,080	35
SC-870	M8	8	70	25	8.0				
SC-1050	M10	10	50	20	10.0	370	740		30
SC-1060	M10	10	60	25	10.0				
SC-1080	M10	10	80	25	10.0				
SC-1090	M10	10	90	30	10.0	466	1,048	1,720	40
SC-1010	M10	10	100	30	10.0				
SC-1012	M10	10	120	30	10.0				
SC-1260	M12	12	60	20	12.0	910	1,420		40
SC-1270	M12	12	70	25	12.0				
SC-1280	M12	12	80	25	12.0				
SC-1290	M12	12	90	30	12.0	1,100	1,750	2,490	50
SC-1210	M12	12	100	40	12.0				
SC-1212	M12	12	120	40	12.0				
SC-1215	M12	12	150	50	12.0				
SC-1680	M16	16	80	30	16.0	1,480	2,200		50
SC-1610	M16	16	100	40	16.0				
SC-1612	M16	16	120	40	16.0	2,060	3,050	5,130	60
SC-1615	M16	16	150	50	16.0				
*SC-2010	M20	20	100	40	22.0	2,010	3,000		60
*SC-2013	M20	20	130	50	22.0				
*SC-2015	M20	20	150	50	22.0	2,865	4,228	7,880	80

* Made to order

Concrete compressive strength 210 kgf/cm²

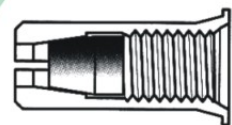
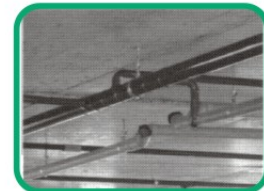
Setting Tools

Code	Anchor size
AL-0608H	M6, M8 1/4, 5/16
AL-1012H	M10, M12, 3/8, 1/2
AL-1600H	M16, 5/8
AL-2000H	M20, 3/4

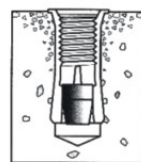


GT Type

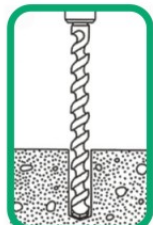
DROP-IN ANCHOR



1 FLUSH MOUNTED FIXING WITH INTERNAL MALE THREAD



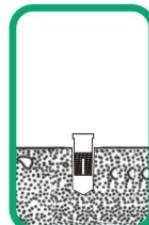
2 PRE-ASSEMBLED PLUG/TAPERED INSERT PIN
3 SMALLER HOLE SIZE THAN MOST OTHER FLUSH MOUNTED TYPE



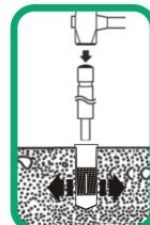
Drilling hole with recommended diameter and depth



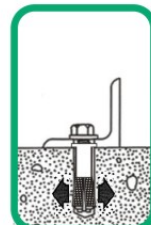
Cleaning hole



Insert Drop-In Anchor



Using Setting Tool to drive internal plug to expand Anchor legs



Anchor is set and ready to fix with bolt or threaded rod

SPECIAL FEATURES

1. This anchor will work with bolts or threaded rod in any length.
2. Drill holes same length as anchor for flush finish or drill deeper for more embedment into concrete.
3. The short body and expansion flange allow this type of anchor to be installed in shallow embedment or bottomless holes.

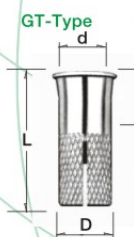
APPLICATIONS

Hanging insulated boiler pipe, Pipe system, Blower, Heater, Conduit etc.

GT Type Whitworth Coarse Screw Threads Carbon Steel with Zinc Chromate Plated

Product No.	d	D	L	ℓ	Drill Bit In mm	Pull Out Figures Initial Ultimate	Depth of Embedment
GT-3030	W 3/8	12.0	30	12	1/2 12.0	950 1,300	30

Concrete compressive strength 210 kgf/cm²

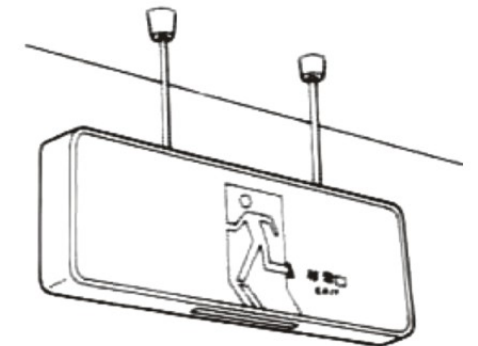


The anchor is set (fully expanded) when the shoulder of setting tool touches the anchor.

GA Type

GRIP ANCHOR

- 1 FLUSH MOUNTED FIXING WITH INTERNAL MALE THREAD
- 2 ANCHOR BODY OFFERING THE ABILITY TO WITHSTAND VIBRATION
- 3 SLOTTED BROACHING GROOVES
- 4 PLUG MAXIMIZING GRIP



Drilling hole with recommended diameter and depth



Cleaning hole



Insert Grip Anchor



Using setting tool to drive Anchor body until flushed with concrete surface



Put fixture in place and tighten bolt.

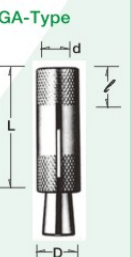
Setting Tools

Code	Anchor size
HT-25G	M8, 5/16
HT-30G	M10, 3/8
HT-40G	M12, 1/2

TRADITIONAL PLUG TYPE WITH GREAT HOLDING POWER

GA Type Carbon Steel with Zinc Chromate Plated Whitworth Coarse Screw Threads

Product No.	d	D	L	ℓ	Drill Bit In mm	Pull Out Figures Ultimate	Depth of Embedment
GA-25	W 5/16	12.0	35	13	1/2 13.0	1,300	35
* GA-30S	W 3/8	14.0	30	12	9/16 15.0	1,100	30
GA-30	W 3/8	14.0	40	15	9/16 15.0	1,520	40
GA-40	W 1/2	17.3	50	20	11/16 18.0	2,600	50



GA Type Metric Coarse Screw Threads Carbon Steel With Zinc Chromate Plated

Product No.	d	D	L	ℓ	Drill Bit In mm	Pull Out Figures Ultimate	Depth of Embedment
GA-8M	M8	12.0	35	13	1/2 13.0	1,300	35
GA-10M	M10	14.0	40	15	9/16 15.0	1,520	40
GA-12M	M12	17.3	50	20	11/16 18.0	2,600	50

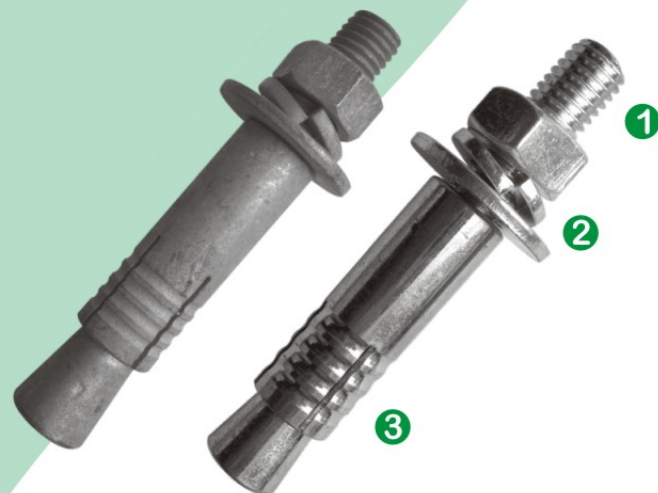
Concrete compressive strength 210 kgf/cm²

BA^{Type}

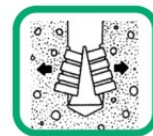
BOLT ANCHOR

HAS^{Type}

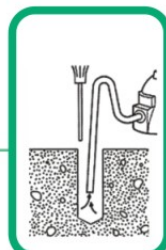
WELD ANCHOR



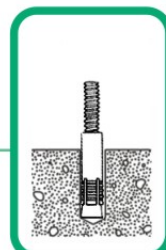
- 1 STUD WITH CONE-SHAPED END**
Smooth driving installation due to a tapered stud shape.
- 2 SPRING LOCK WASHER**
Preventing washer from loosening nut after being installed.
- 3 EXPANSION COLLAR**
Expands by driving fully to create anchorage.



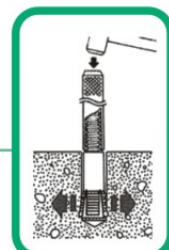
Drilling hole with recommended diameter and depth



Cleaning hole



Insert Bolt Anchor



Using setting tool to drive collar until flushed with concrete surface



Put the fixture in place, then tighten nut

Setting Tools

Code	Anchor size
HT-BA06M	M6
HT-BA08M	M8
HT-BA10M	M10
HT-BA12M	M12
HT-BA16M	M16



SPEEDY AND STABLE ANCHORAGE BY DRIVING

The Sanko Bolt Anchor is designed for medium and heavy weight fastening in solid type material with various sizes fit for wide application ranged from 6 to 16 mm.

APPLICATIONS

Sound-Proofing, Wall Panel, Fenders, Guide Rails, All the other Apparatus

BA^{Type} Metric Coarse Screw Threads
Carbon steel with Zinc Chromate Plated

mm						kgf				mm
Product No.	d	D	L	<i>ℓ</i>	Drill Bit	Pull Out Figures		Shear Load	Depth of Embedment	
						Initial	Ultimate			
BA-650	M6	9.5	50	30	10.0	325	995	710	30	
* BA-860	M8	12.0	60	35	12.0	430	1,310	1,270	35	
* BA-870	M8	12.0	70	35	12.0					
* BA-1070	M10	14.0	70	40	14.0	895	1,795	1,820	40	
BA-1080	M10	14.0	80	40	14.0					
BA-1010	M10	14.0	100	40	14.0					
BA-1012	M10	14.0	120	40	14.0					
BA-1210	M12	17.3	100	50	18.0	1,150	2,820	2,750	50	
BA-1212	M12	17.3	120	50	18.0					
BA-1215	M12	17.3	150	50	18.0					
BA-1610	M16	21.7	100	50	22.0	1,240	2,900	4,820	50	
BA-1612	M16	21.7	120	60	22.0	1,610	3,705		60	
BA-1615	M16	21.7	150	60	22.0					

* Made to order

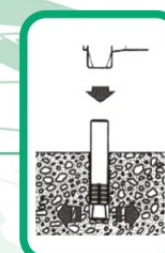
Concrete compressive strength 210 kgf/cm²



Drilling hole with recommended diameter and depth



Cleaning hole



Insert Weld Anchor and hammer direct on body to expand Anchor legs



Anchor is set and ready to weld with various metals

The anchor itself can be welded for installation of various metals.

HAS^{Type} Carbon Steel

Product No.	D	L	Drill Bit	Pull Out Ultimate	Shear Load	Depth of Embedment
HAS-1040	10.0	40	11.0	850	670	30
HAS-1050	10.0	50	11.0			
HAS-1060	10.0	60	11.0	1,250	750	40

Concrete compressive strength 210 kgf/cm²

