

BCP

business continuity plan

- no stop operation keep supply
- keep supply

facility in plant disaster contingency planning

double-sided adhesive sheet type
(non destructive)

overturn

movement

movement drop

drop

Vol.2

non destructive fixing on upper floor
fixing while working at office
water proof specification

〈manufacture and sales〉
LINTEC21 Co., Ltd.
805,2-5-2,higashigotanda,shinagawa-ku,tokyo,
JAPAN141-0022
MAIL : info_lintec21@lintec21.com
〈contact Us 〉
TEL : +81-3-5798-7801
reception time : weekday 9:00~17:00
Closed : weekend and public holidays



www.lintec21.com

お求めはこちらで

BCP is essential for plant operation

business continuity plan

why disaster contingency planning

firstly respect for human life
unique subject of plant as follows

long production stop
causes no delivery

breach of contract of delivery
could cause indemnity

chance to lose of order

no repeat order

earthquake contingency planning help
avoiding situation as described above,



5 proposal on safe and security

We lintec 21 company could offer safe and security
to customer by disaster contingency products
developed based on abundant experience ,technology

1
**business
contingency
planning**
utilization for business
contingency
planning

2
**double-sided
adhesive method**
simple fix
easy transfer

3
**high
performance**
tested by
earthquake
proof test

4
**the most
suitable
selection**
environment
and object

5
**from
consultation
to fixing**

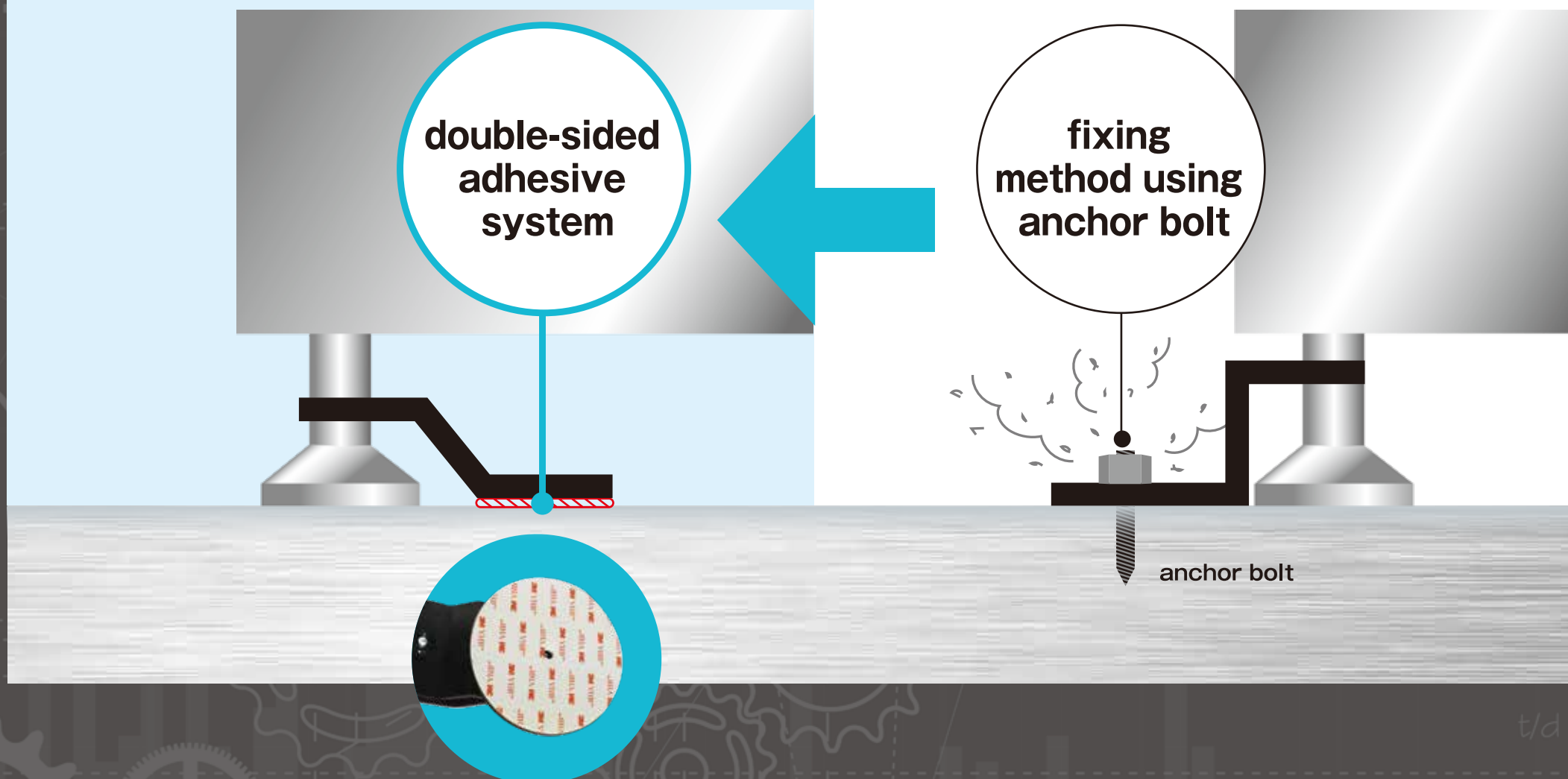
✓ **lintec 21**
double-sided adhesive system for fixing facility in plant

- nondestructive floor fixing
- simple fixing works
- waterproof, oilproof performance
- simple fixing works

➔ **Solution for usual method**

<example of unusable anchor bolt fitting>

- ✗ drilling floor could cause depression of processing accuracy of machine and breaking coated floor for protecting IC against static electricity
- ✗ prefer no drilling on upper floor to avoid weakening structure of building
- ✗ prefer no drilling floor to avoid pollution problem caused from sink in ground through drilled hole
- ✗ prefer no fixing to avoid troublesome frequent transfer of small size facilities



technical information → 5~8

preventing overturn

MS-802シリーズ → 11
 MS-201シリーズ → 12
 LJ-604, LJ-200, LR-091~098 → 13
 LH-801GLP, LH-803P → 14
 LH-401, 402, LW-301, LW-302 → 15
 LP-082, LP-083, LP-086 → 16
 MRW-001, MRO-001, LK-119BP → 36

preventing movement

MS-3053series, MS-3201series → 17
 MS-705series → 18
 MS-701series → 19
 MS-303A → 20
 MFP-22T/F, MW-001 → 21
 MS-002A, LH-805B2P, KL-40712+KL-41102, +KL41003-2 → 22

preventing movement and drop

LH-930LP, LP-0812P → 23
 MS-3071 → 24
 LH-8051, MS-802S → 25
 LS-484, LM-402P, LM-401 → 26

preventing drop

LH-918EP, NS-205, NS-251 → 27
 LR-101P, LR-77P → 28
 LH-912MP, LH-916SP, LR-080U/L → 29

table → 31 ~ 32
 introduction of achievement → 35~36

pad for replace → 33
 fixing and removal → 34
 service → 37~38

technical information

double-sided adhesive material

characteristics and life of important adhesive material

relationship between condition for fixing and adhesive force
 ①adequate pressure joining · · pressure joining of 50N(5Kgf) per 1cm² is necessarily no additional effect for more than 70N/cm²
 ②higher waterproof weatherproof performance caused by independent bubble

assumable measurement result and testing
 waterproof weatherproof performance, life, operating results of materials used for 30 years long is based on acrylic structure type by 3M company
 shearing adhesive force 100N/cm² performance outdoor exposure for more than 11 years



compression treatment of double-sided adhesive material

initialization of products
 after pasting and affixing adhesive material to iron disc with adequate pressure joining force

condition of compression treatment
 under specified condition by 3M company, we lintec21 is producing fixture products
 ① plenty of pressure joining force · · 50N(5Kgf) per 1cm²
 ② by enough curing time ,increase adhesive force (for 1 hour after fixing adhesive force increases 2/3 wet area to peak adhesive force)

characteristic of disk

for specified time after fixing, gather measuring data ofφ100 iron disk on floor testing by tensile testing machine based on our company condition

object of testing
 test difference between horizontal and vertical tensile force performance ofφ100 disc



testing machine and testing conditions
 tensile force testing by accurate universal testing machine(made by shimazu seisakusyo) at industrial technology center of tokyo metropolitan government.
 test is used test pieces on iron plate attached by tensile max machine speed of 500mm/min.
 measurement pressurization to horizontal and vertical along adhesive surface
 test pieces: adhesion material is standard 3M made acrylic adhesion material and same material commonly used fixing on φ100 iron disc

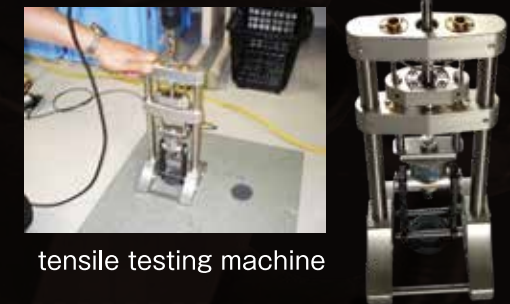
measurement results
 horizontal tensile force :average 12.9Kn
 vertical tensile force : average 12.9Kn
 judging from results both tensile forces is almost same.
 considering data of both tensile forces , both force data could be used as same value
 direction of tensile forces could be disregard the difference between horizontal and vertical

floor strength

for test the floor loading capability ,take measurement system into important field area of plant this test is evaluation of resistibility for loading to fix fixture on floor in place and for maximize performance of fixture

importance of floor measurement
 floor loading capability is important factors for application of our fixture in plants because of fixing adhesive fixture to floor measured floor data is characteristics including floor material, aged deterioration, construction quality , coating surface ,cleaning quality , past hysteresis and repeatable without past hysteresis, test is important for safer fixing after fixing work

working for fixing on floor
 using tensile testing machine ,resisting evaluation for proof against force is such as max 300~1200Kg against adhesive fixing on φ100 disc max set-point of 300Kg
 if it is not resistible, reinforcement of floor is needed max set-point of 300Kg test is safe and repeatable for stable data expected because of nondestructive.
 better performance is expected to get larger measured floor data data than instantaneous force of earthquake , because double-sided adhesive material absorbs shock of earthquake force



tensile testing machine

vibration test for earthquake proof

total evaluation is done by representative fixture model MS-3053 at UR reseach instituit of public housing corporatin in hatiouji tokyo

purpose of testing
 test for inspection of required performance and specifications and at same time moving image is provided to show and make understand customers how fixture move functionally and actually please visit our home page and YouTube to watch itc



test content
 test is as follows
 put object for fixing facilities on vibration table . facilities such as equipment、 furniture, stand, table . fix object to wall or table then vibrate objects fixing on the table
 then test and evaluate fix performances.
 generally used earthquake wave data record at kobe meteorological observatory,
 performance of fixture is confirmed earthquake intensity class upper 6 level by this test
 it is said building could be broken under Earthquake intensity class 7 and no need fixture to be resistible for

preparation
 our whole selling products is proven by above described vibration test for earthquake proof , shock and tensile test only for disk and fixture alone ,then test vibration described test.

test result
 basically selling products is proven by tested by 3 dimensional vibraton test with earthquake intensity class upper 6 level

* please visit our website for details

primer

application purpose

primer treatment is important handling for better performance and higher quality material of adherend, boundary surface state, tensile force, cure treatment effects performance of fixing. primer is used for best performance and minimize variation by above described factors.

effect principle

use primer effect such as maximize surface energy of adherend and performance of adhesive. weak tensile force after fixing make small wet area. primer could make weak tensile force larger wet area and maximum performance .

improvement workability

it is difficult to pressurize more than 100Kg as initial fixing force on φ100 disc under facility in plant. primer could get larger adhesive force under even such difficult environment. in the sequel , improvement of workability and work quality are expected

precaution for fixing

①primer material (5g)is only for1 piece of single φ 100 disc .38g for φ80 disc please use whole primer for single φ100 disk fixing adhesive.
②after coating full face on disc uniformly, fix on floor and extend by rotating disc slowly with narrow angle repeatedly.

result

improvement effect on performance : double tension rate more than non use
our test condition: concrete floor and painting floor
our test result:
tensile force no use primer (7.3KN)
tensile force use primer (14.3KN)

technical guideline

1. necessary proof stress for avoiding overturn MS-802 and MS-3053 assumed pressurization to level adjuster 1000Kg pressurization force to single disk (unit mass : Kg)

	MS-802	calculation formula	MS-3053 (2pieces used)	calculation formula
vertical tensile force	1000	$f_v = F_v$	2050	$f_v = F_v \times \frac{L0}{2L1}$
horizontal direction (parallel to disc)	700	$f = \frac{1}{\sqrt{2}} F_h$	700	$f = \frac{1}{\sqrt{2}} F_h$
horizontal direction (right angle to disc)	500	$f = \frac{1}{2} F_v$	700	$f = \frac{1}{\sqrt{2}} F_h$
total		suitable for avoiding overturn (beneficial rotation movement)		difficult for vertical pressure resistance

Fh: vertical force to level adjuster Fv: horizontal force to level adjuster fv: tensile force to center of disc
f: total force to disc L1: distance between support and disc L0: distance between support and adjuster

what is overturn condition

	calculation formula
depth is half of height	$\alpha > \frac{2b}{h} \cdot g$

α: acceleration of centroid b:depth of facility h:height of facility g:acceleration of gravity

2. the reason of easy peeling by rotating slowly

by 30cm length lever rotation of adhesive disc make peeling vertical tensile strength 300Kg

		calculation formula
vertical tensile strength 300Kg	rotating peel 25Kg	$F = \int_0^\theta F_r \cdot R \cdot \frac{K}{4} \cdot \theta$

K: lead rate L:length of peeling tool θ: rotation of peeling tool Fr: force to applied peeling force R: ring length R: disk radius F: rotation force

3. the reason why buffer effect make reduction of transfer force one third

by 1G acceleration make rubber belt 45 cm stretch from 15cm, Force to fixing plate reduce to one third.

		calculation formula
three time stretch to 45 cm of rubber belt	transfer pressurization one third	$F1 = \frac{-\mu W + \sqrt{(\mu W)^2 + nK \frac{W}{g} v^2}}{n} \quad v = \sqrt{\frac{nKgx^2}{W} + 2g\mu x}$ $v_{max} = 2\pi f A \quad \alpha_{max} = (2\pi f)^2 A$

K: load rate W:object weight F:tensile strength to one piece fixture v:moving speed A: half amplitude of earthquake
f: frequency of earthquake x: stretch of rubber belt n: numbers of fixture
μ: friction coefficient between floor and fixture α: acceleration of earthquake vibration g:acceleration of gravity

4. necessary yield strength of drop fixture for weight avoiding drop from rack tray. Difference between belt(LH-916) and bar(LR-080) Force to fixture when object weight 100Kg drop from rack Use material for slip resistance on tray of rack

	μ=0.3 standard plate	μ=0.6 material for slip resistance	calculation formula
belt fixture	263Kg (tensile strength to the pillar)	151Kg (tensile strength to the pillar)	$F_T = \frac{W(\alpha - \mu)}{2g} \sqrt{1 + \frac{L^2}{16D^2}}$
bar fixture	70Kg	40Kg	$F = W(\frac{\alpha}{g} - \mu)$

F: pressurization to fixture W: object weight on rack tray α: acceleration by earthquake g: acceleration of gravity
μ: friction coefficient between object and rack tray F_T: total force to belt D: flexible volume of belt L: initial length of belt

theoretical formula for force

1. earthquake force for design

2generally earthquake intensity of non structure material for design is applied as follows

earthquake vertical intensity for design $Kh = 1$
weight W in case of horizontal earthquake force $Fh = Kh \cdot W = W$
earthquake vertical intensity for design $Kv = Kh / 2 = 0.5$
vertical earthquake force $Fv = Kv \cdot W = 0.5W$

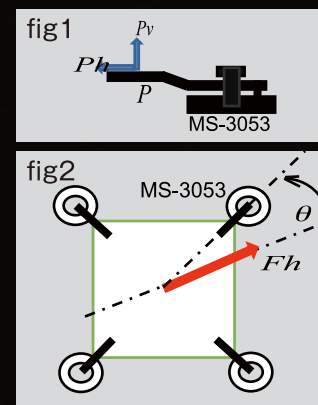
(Installation for important fire extinguisher or on upper floor could be established another)

2.

calculation formula for load at pinch legs part of link level adjuster stopper fixture show as follows

2-1 horizontal load

fig 2 shows relation between facility 4 pieces layout fixture assumed as single axis for horizontal component of segment link line between disc center and part horizontal load Ph to single unit MS-3053 shown Fig1 is calculated by following calculation formula



$$Ph = \frac{Fh \cos \theta}{2} = \frac{W \cos \theta}{2} \quad (0 \leq \theta \leq \frac{\pi}{4})$$

load to single unit is maximized at θ=0 then make Ph=0.5W

2-2 vertical load

dimensional relation between fixture and facility watched from side shows fig 3 vertical load Pv is calculated by following calculation formula

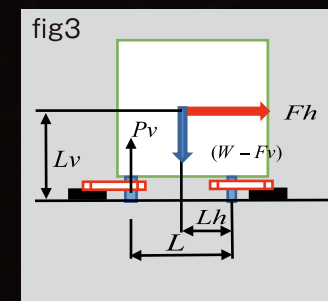
$$Pv = \frac{Fh \cdot Lv - (W - Fv) \cdot Lh}{L \cdot n} = \frac{W \cdot Lv - (W / 2) \cdot Lh}{L \cdot n}$$

n : unilateral side number of receiving drawing load (n = 2) (assumed A parts as drawing load side) generally vertical load could be less than horizontal

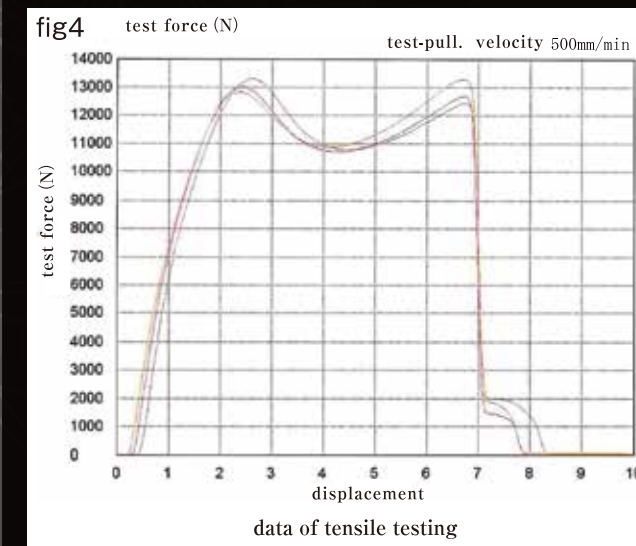
3.

force of MS-3053 fixture is showed as follows

P part(Fig 1) shows as impression point and actual value
horizontal value of tensile strength is 13000N
vertical value of tensile strength is 12000N



assumed safety factor for above double, 6500N(horizontal)/6000N is conceivable fig 4 shows horizontal measurement value



4.

view on earthquake intensity number of fixture is decided comparing Ph, Pv stated above and capability of bearing load calculation example in case of 4 units of MS-3053 fixture setting to facility as follows mass 1000Kg on center of gravity outside dimension : width 2000mm /height 1600mm from Calculation by calculation formula no problem for earthquake proof strength based on application under condition of calculated value.

for seismic contingency counterplan , it is necessary to prevent overturn and drop of facilities with level adjuster and facilities of direct staging on the floor Preventing for drop from rack tray, movement of facility on bench is also necessary It is important to select optimum fixtures for required facilities.

seismic contingency counterplan for facilities in plant

- overturn
- movement drop
- movement
- drop



link holder for link LH-401



casterframe holder LH-805B2P



fire extinguisher hook P LK-119BP



drop stopper fixture LR-080 series



link wire stopper fixture MW-001



frame holder MS-705 series



corner block MS-701



link plate flat furniture LP-0812P

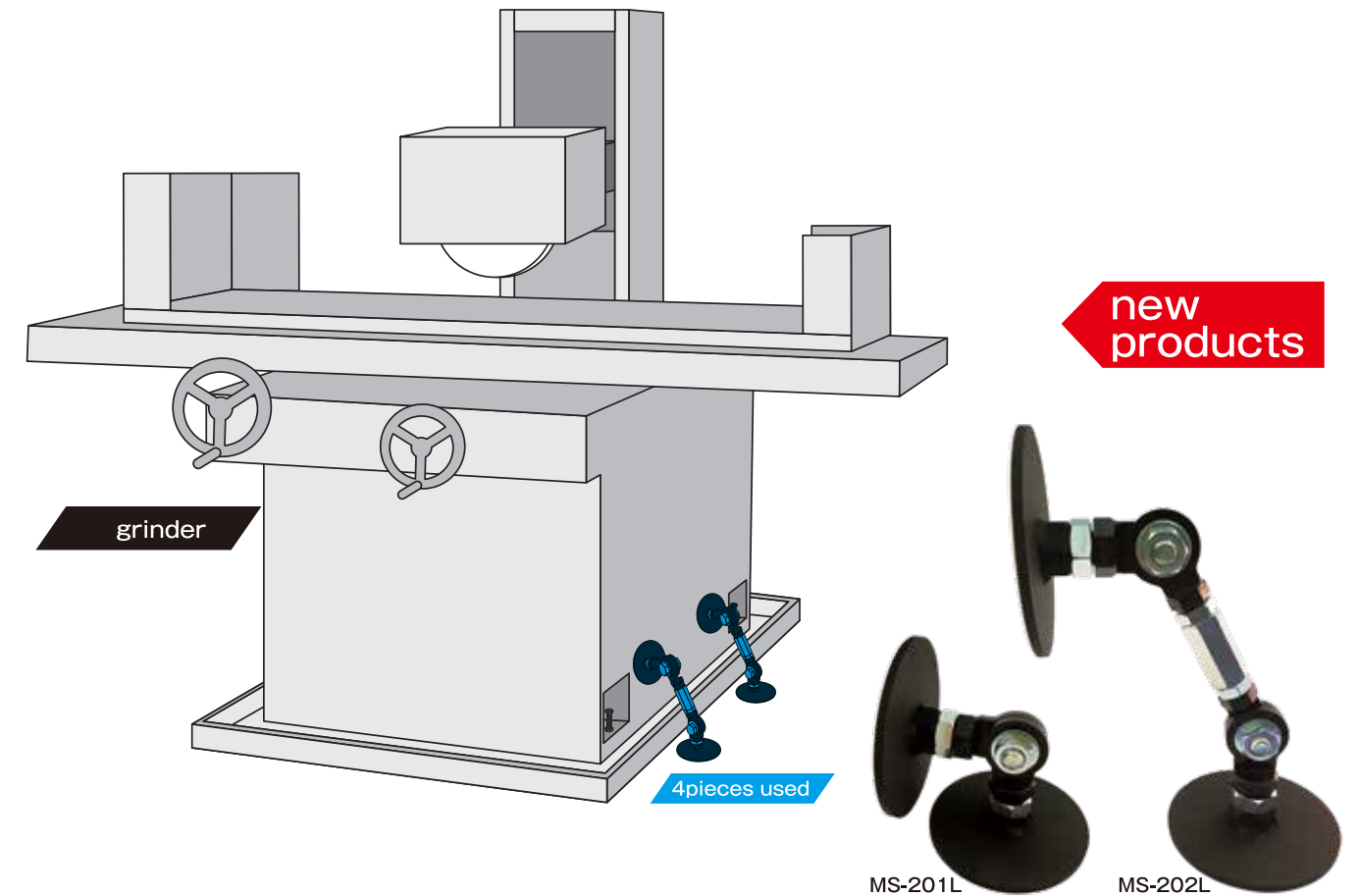
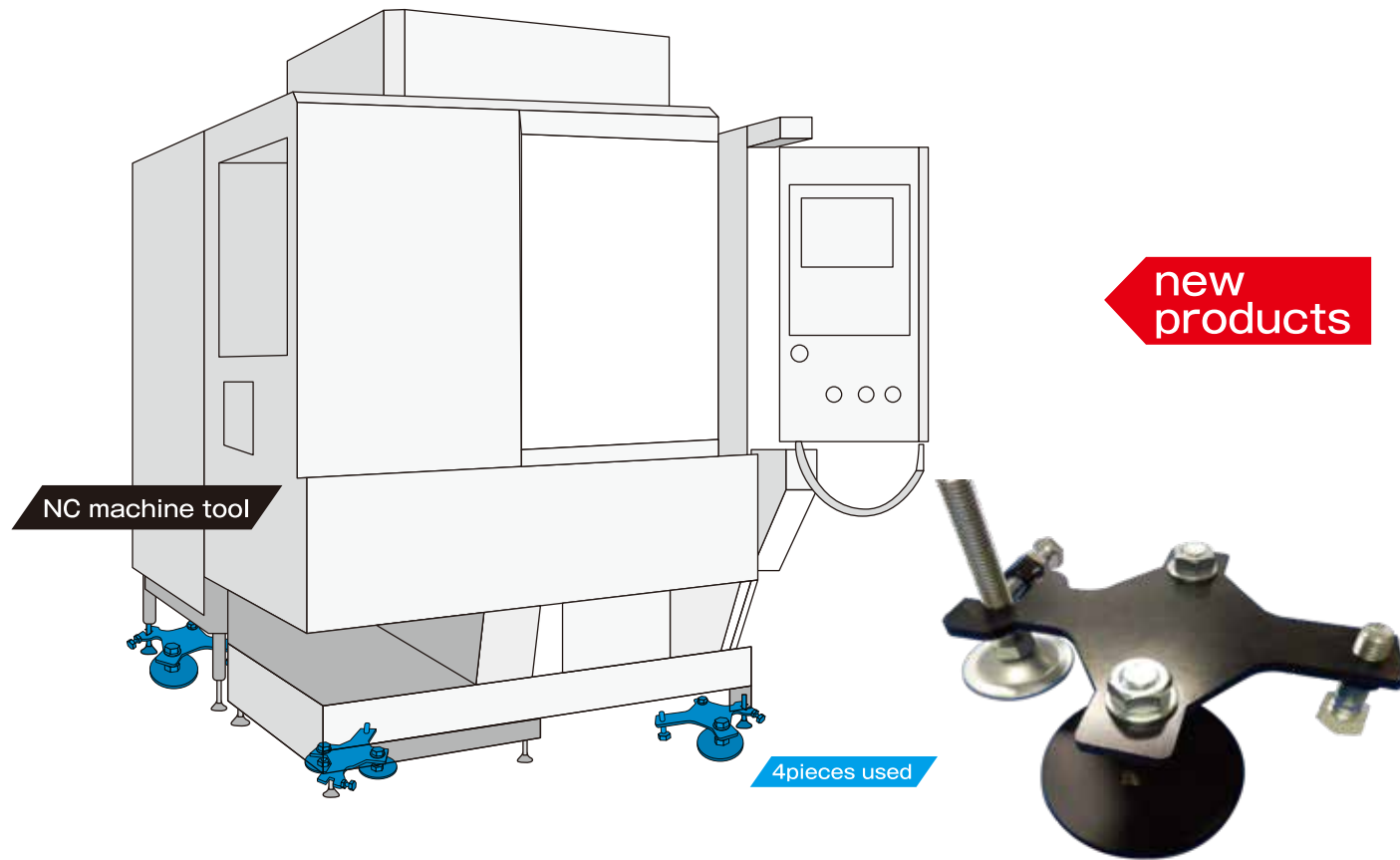


link level adjuster S3 MS-3053

how to fit fixture to facilities

how to fit fixture to facilities

MS-802 series

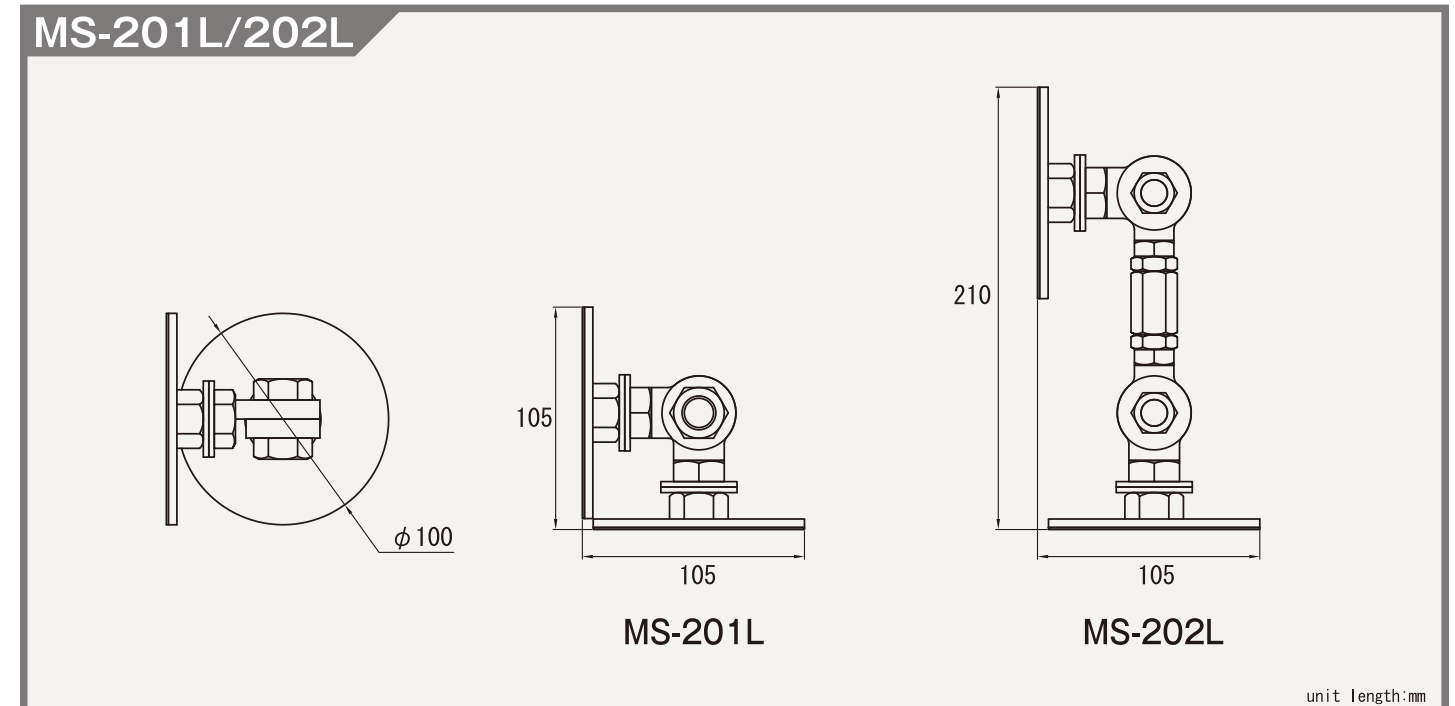
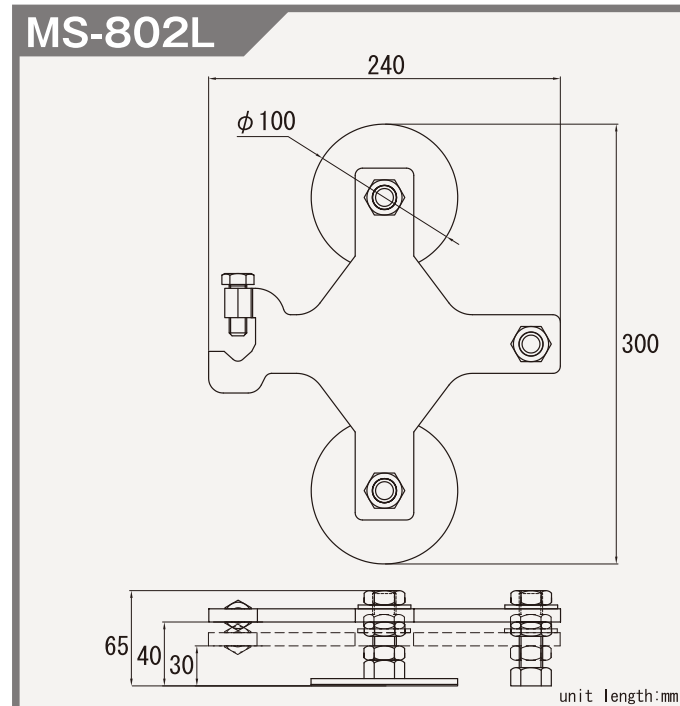
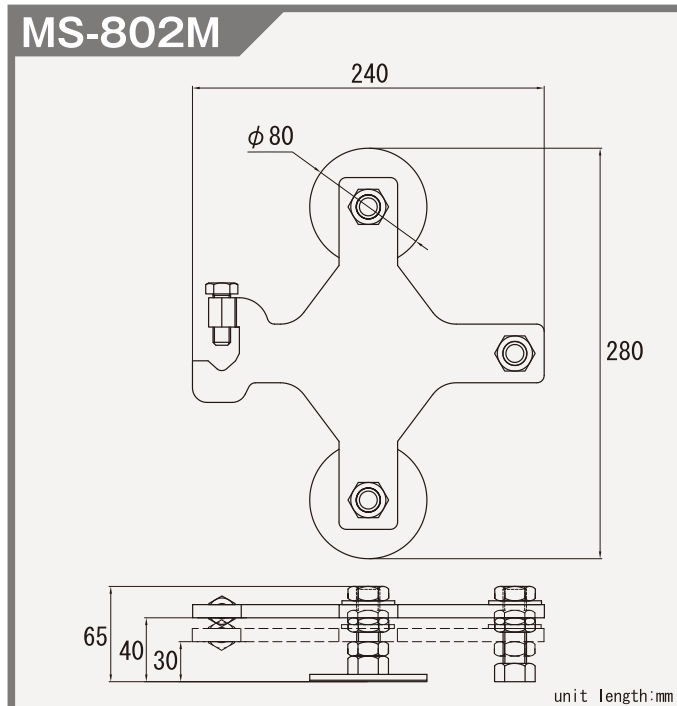


MS-201 L series

preventing facility overturn M

preventing facility overturn L

flexible link fixture L1/L2



configuration : products×1, primer B×2
 material : acrylic adhesive, plated steel plate, plated screw sort
 rough size : 240×280×65mm weight : approximately 2.0kg
 operating environment temperature : 0°C ~ 40°C
 resisting turnover strength : 200kg less than/piece
 resisting movement strength : 400kg less than/piece
 Adjuster fitting diameter : φ20 less than height adjustment range : 30~40mm
 earthquake resisting force : earthquake intensity class upper 6

configuration : products×1, primer B×2
 material : acrylic adhesive, plated steel plate, plated screw sort
 rough size : 240×300×65mm weight : approximately 2.2kg
 operating environment temperature : 0°C ~ 40°C
 resisting turnover strength : 300kg less than/piece
 resisting movement strength : 600kg less than/piece
 Adjuster fitting diameter : φ20 less than height adjustment range : 30~40mm
 earthquake resisting force : earthquake intensity class upper 6

MS-201L
 configuration : products×1, primer B×2
 material : plated steel plate, plated screw sort, acrylic adhesive
 rough size : 105×100×105mm weight : 0.9kg
 resisting turnover strength : 300kg/piece resisting movement strength : 300kg/piece
 operating environment temperature : 0°C ~ 40°C
 earthquake resisting force : earthquake intensity class upper 6

MS-202L
 configuration : products×1, primer B×2
 material : plated steel plate, plated screw sort, acrylic adhesive
 rough size : 105×100×210mm weight : 1.2kg
 resisting turnover strength : 300kg/piece resisting movement strength : 300kg/piece
 operating environment temperature : 0°C ~ 40°C
 earthquake resisting force : earthquake intensity class upper 6

how to fit fixture to facilities

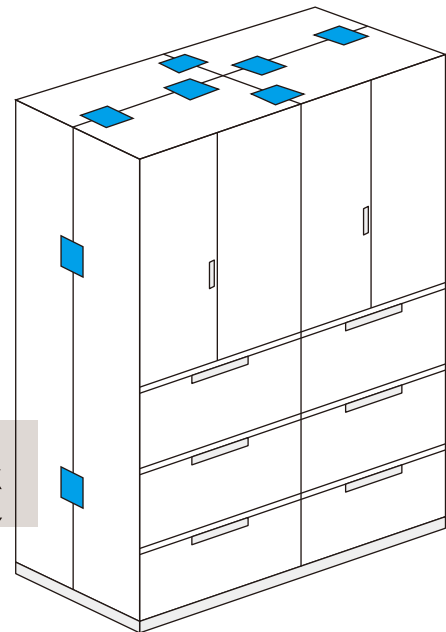
how to fit fixture to facilities

LJ-604, LJ-200, LR-091~098

LH-801GLP, LH-803P

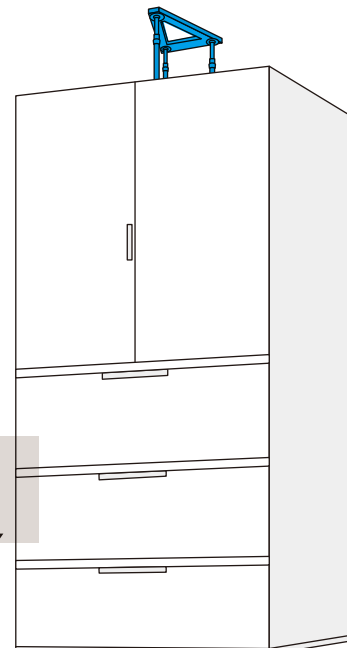
horizontal link

cabinet



fixing at ceiling

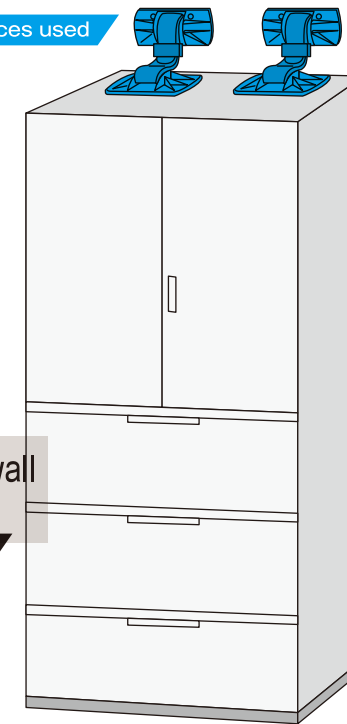
cabinet



2 pieces used

fixing between wall
and top board

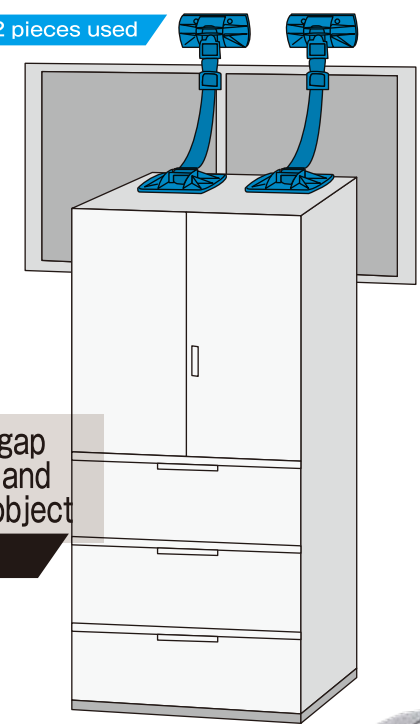
cabinet



2 pieces used

fix astride at gap
between wall and
top board of object

cabinet



link joint sheets fixture PF

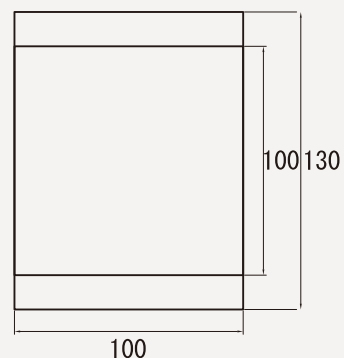
link film joint fixture

triangle frame fixture

cabinet holder fixture GLP

cabinet holder fixture LP

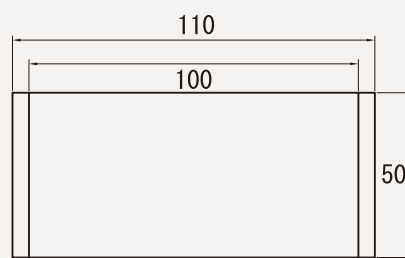
LJ-604



unit length:mm

configuration:link joint sheets fixture PF×4, alcoholpad×4
material:material:polyester film, acrylic adhesive
rough size/outline:100×130×0.3mm
binding area dimension:100×100mm
appearance:transparent
operating environment temperature:0°C~40°C
shear force:120kg less than/sheet
earthquake resisting force:earthquake intensity class upper 6

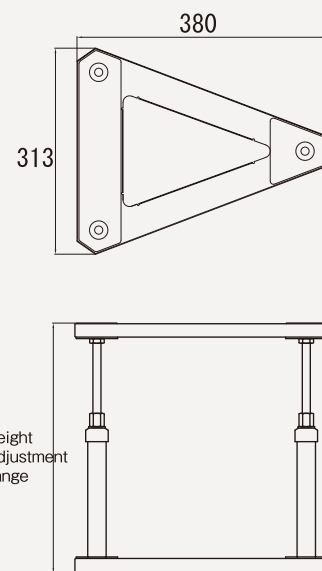
LJ-200



unit length:mm

configuration:link film link fixyure × 4
material:polyester film, acrylic adhesive
rough size:50×110×1mm
binding area dimension:100×50mm
weight:approximately7g/sheet
operating environment temperature:0°C~40°C
shear force:200kg less than/sheet
earthquake resisting force:earthquake intensity class upper 6

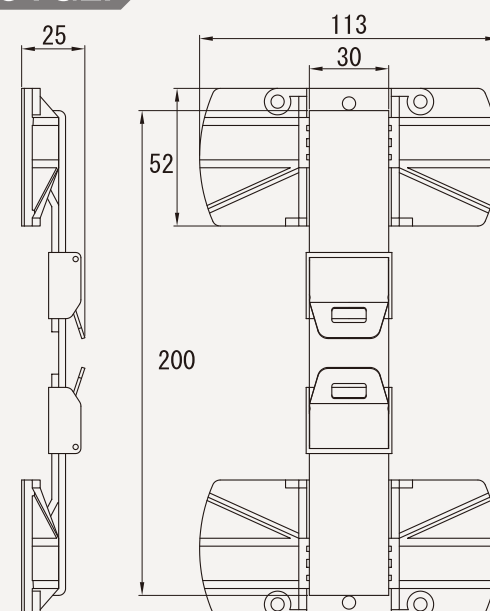
LR-091~098



unit length:mm

configuration:products:1 triangle-frame top board fixture×1, triangle-frame bottom board fixture×1, iron pipe pillar×3 rough size:313×380×height(right table)mm
weight:approximately2.5kg/piece object weight:300kg less than/piece operating environment temperature:0°C~40°C avoiding earthquake resisting force:earthquake intensity class upper 6
height adjustment range:
LR-091:530-770
LR-092:380-530
LR-093:280-380
LR-094:220-280
LR-095:170-220
LR-096:140-170
LR-097:85-140
LR-098:60-85 mm

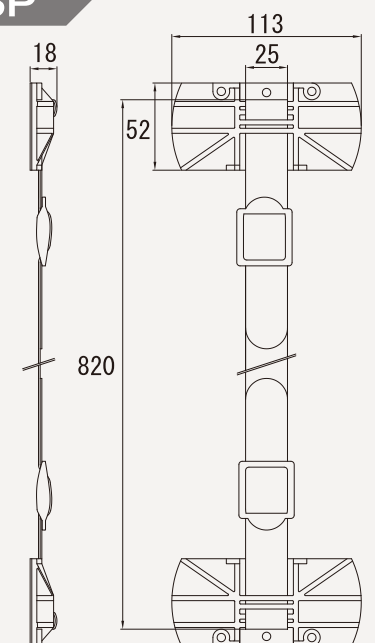
LH-801GLP



unit length:mm

configuration:products (black adhesive pad)×1, alcoholplate×2
material:ABS and polycarbonate alloy resin, NBR and PVC rubber, stainless, acrylic adhesive
rough size-weight:113×200×25mm, 125g/piece
operating environment temperature:0°C~40°C
object weight:150kg less than/piece
earthquake resisting force:earthquake intensity class upper 6

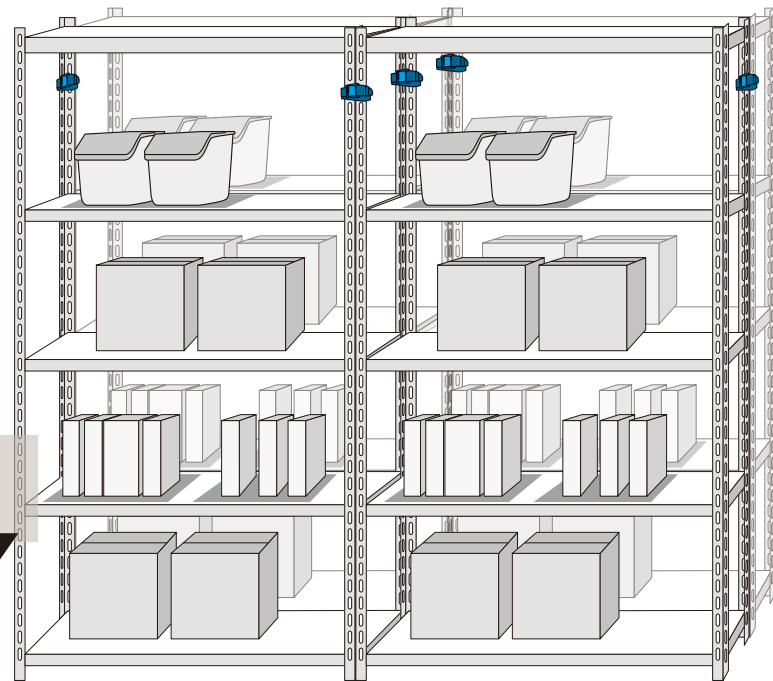
LH-803P



unit length:mm

configuration:products (black adhesive pad)×1, alcoholplate×2, wooden screw×2
material:ABS and polycarbonate alloy resin polypropylene, polyacetal, acrylic adhesive
rough size-weight:113×820×18mm, 90g/piece
operating environment temperature:0°C~40°C
object weight:150kg less than/piece
earthquake resisting force:earthquake intensity class upper 6

how to fit fixture to facilities



link fixing

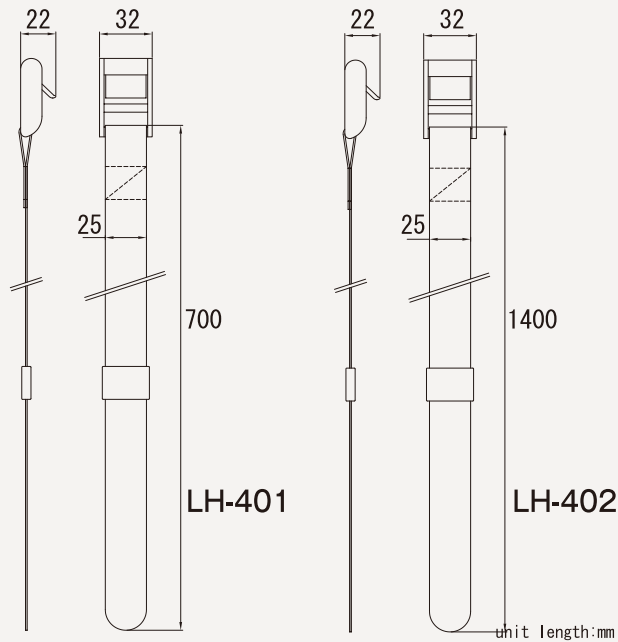
open rack



link holder fixture

link film belt fixture

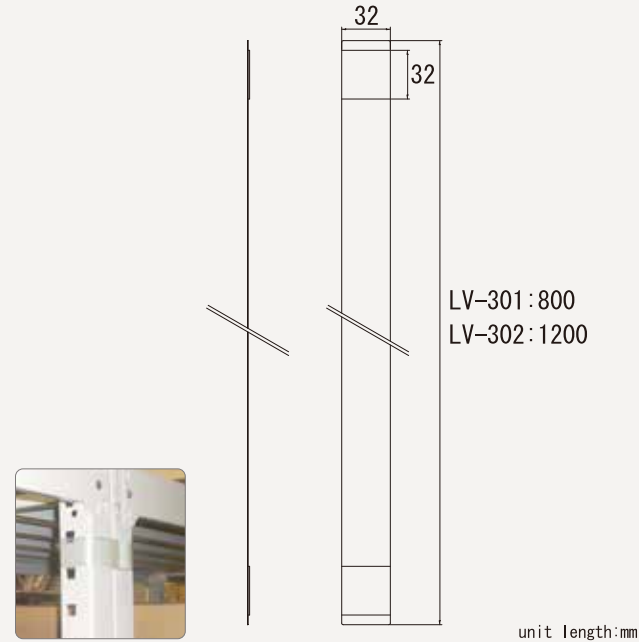
LH-401, LH-402



configuration: products×1 (polypropylene belt with adjuster beltring)
material: polypropylene, zinc alloy
rough size: LH-401 : 32×700×22mm / LH-402 : 32×1400×22mm
object weight 250kg less than/piece
operating environment temperature: 0°C~40°C
earthquake resisting force : earthquake intensity class upper 6



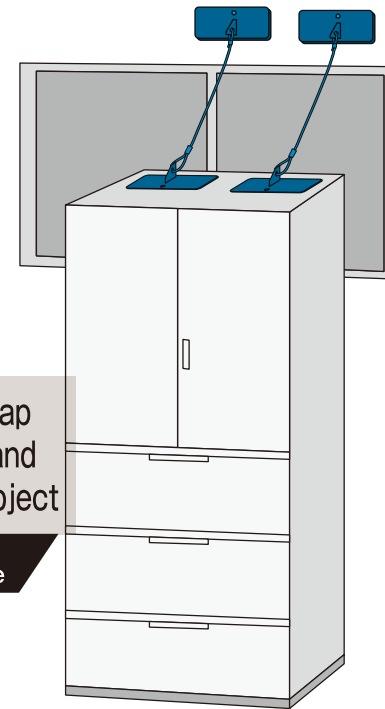
LW-301, LW-302



configuration : products (filmbelt with adhesive pad) ×10
material: Polyesterfilm, acrylic adhesive
rough size: LW-301 30×800×0,19mm LW-302 30×1200×0,19mm
object weight: 400kg less than/2piece operating environment temperature: 0°C ~40°C earthquake resisting force : earthquake intensity class upper 6
※this products exerts its intrinsic performance by winding up threefold around pillar of rack, please select length to meet threefold pillar size of rack

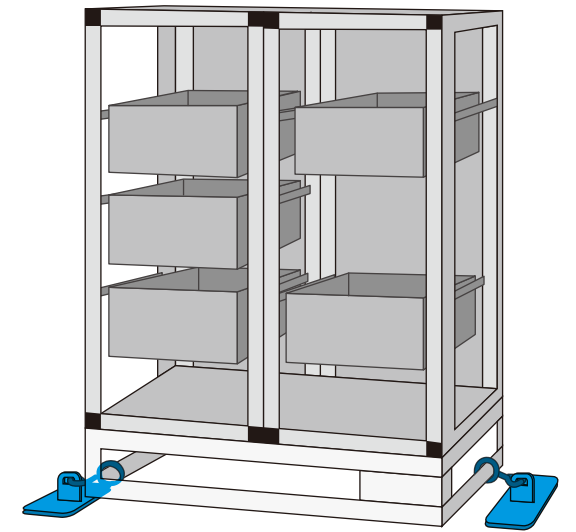


how to fit fixture to facilities



fix astride at gap
between wall and
top board of object

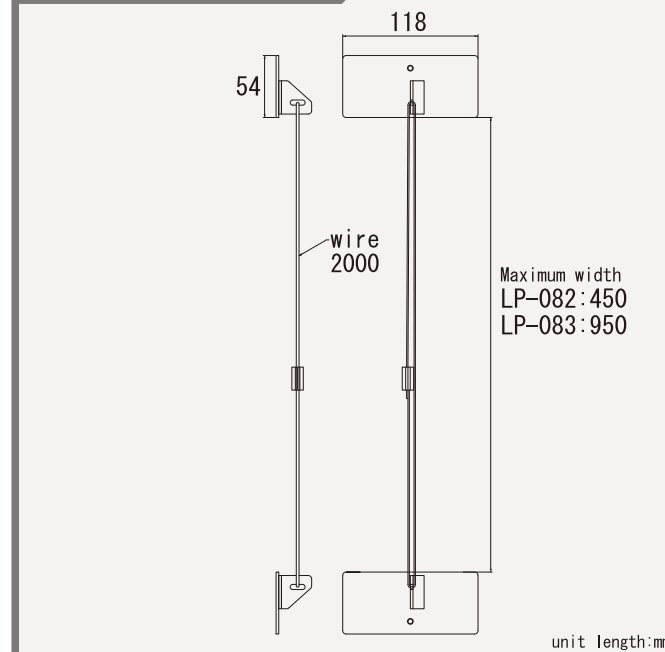
cabinet,
office furniture



link plate flat furniture fixture LL50/LL100

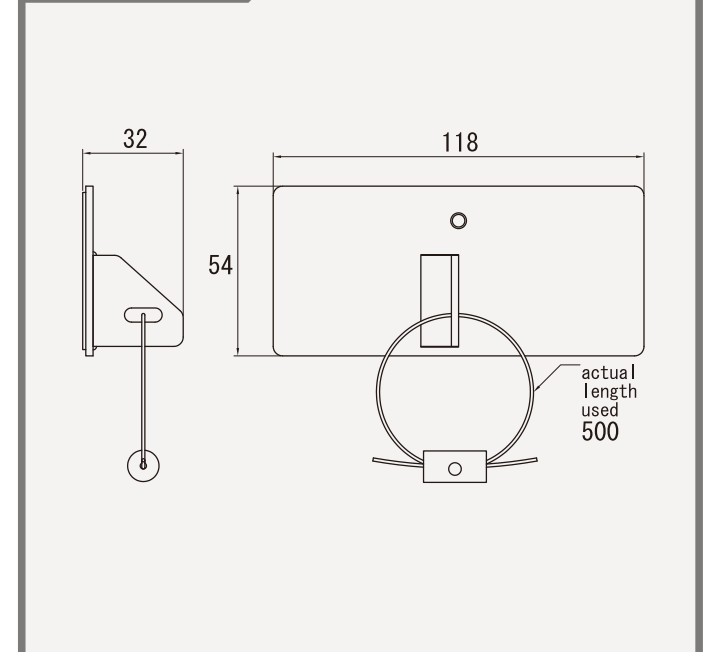
link plate flat furniture fixture L50

LP-082, LP-083



configuration: L shape metal plate with adhesive tape×2 (Iron plate), sleeve×1, wire×1 (LP-082: actual length used: 500mm / LP-083: actual length used : 1000mm)
rough size: W118×D54×H33mm (Lshaped metal parts)
weight: approximately 270g/piece operating environment temperature: 0°C~40°C
object weight: 120kg less than/piece
earthquake resisting force : earthquake intensity class upper 6

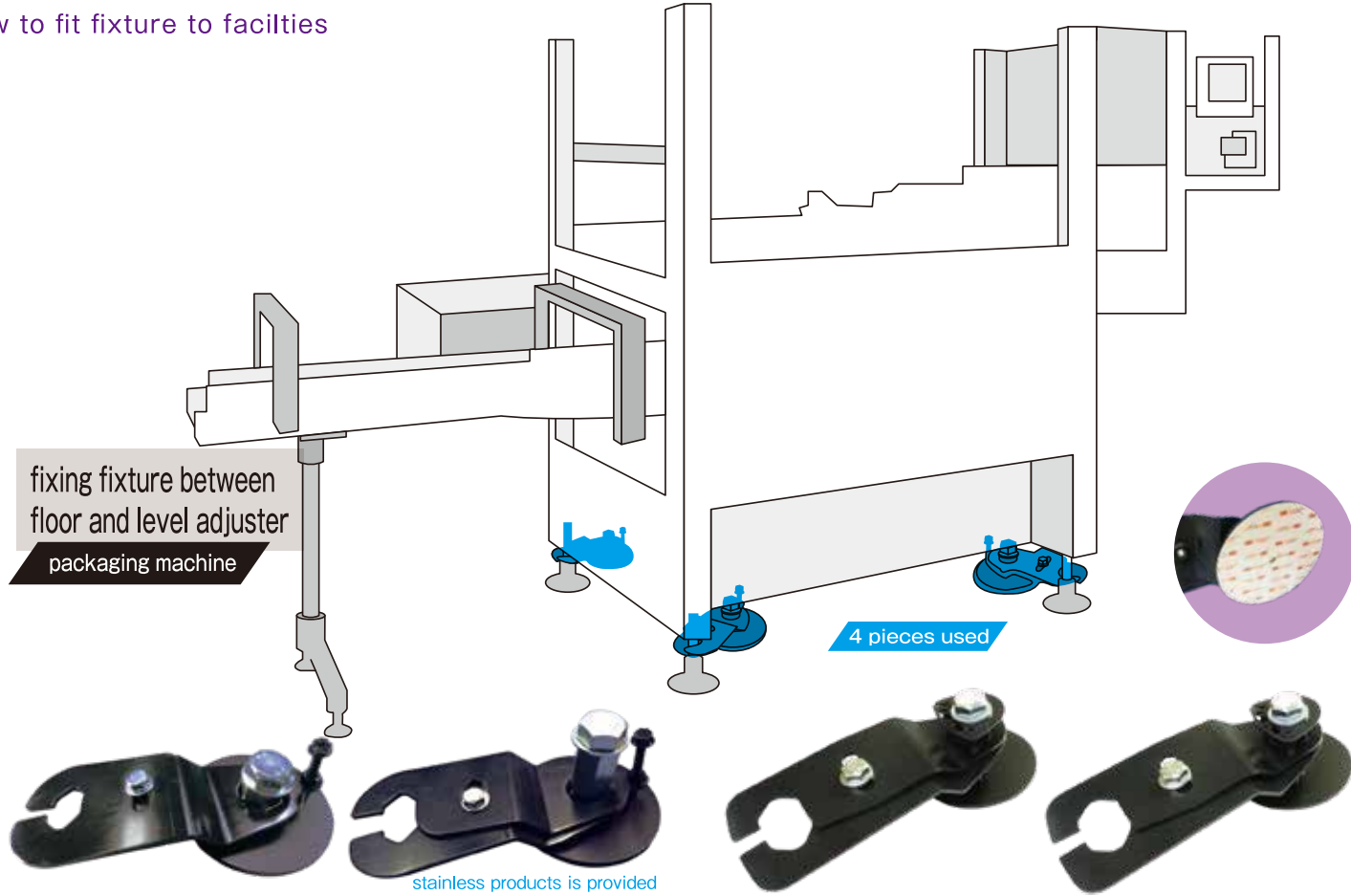
LP-086



configuration: products×1 L shape metal plate with adhesive pad, sleeve, wire (length for actual use 500mm)
material: plated steel plate, acrylic adhesive
rough size: W118×D54×H33mm (Lshaped metal parts)
weight: approximately 144g/piece object weight: 120kg less than/piece
operating environment temperature: 0°C~40°C
earthquake resisting force : earthquake intensity class upper 6

facility with level adjuster

how to fit fixture to facilities



link level adjuster S3/S4

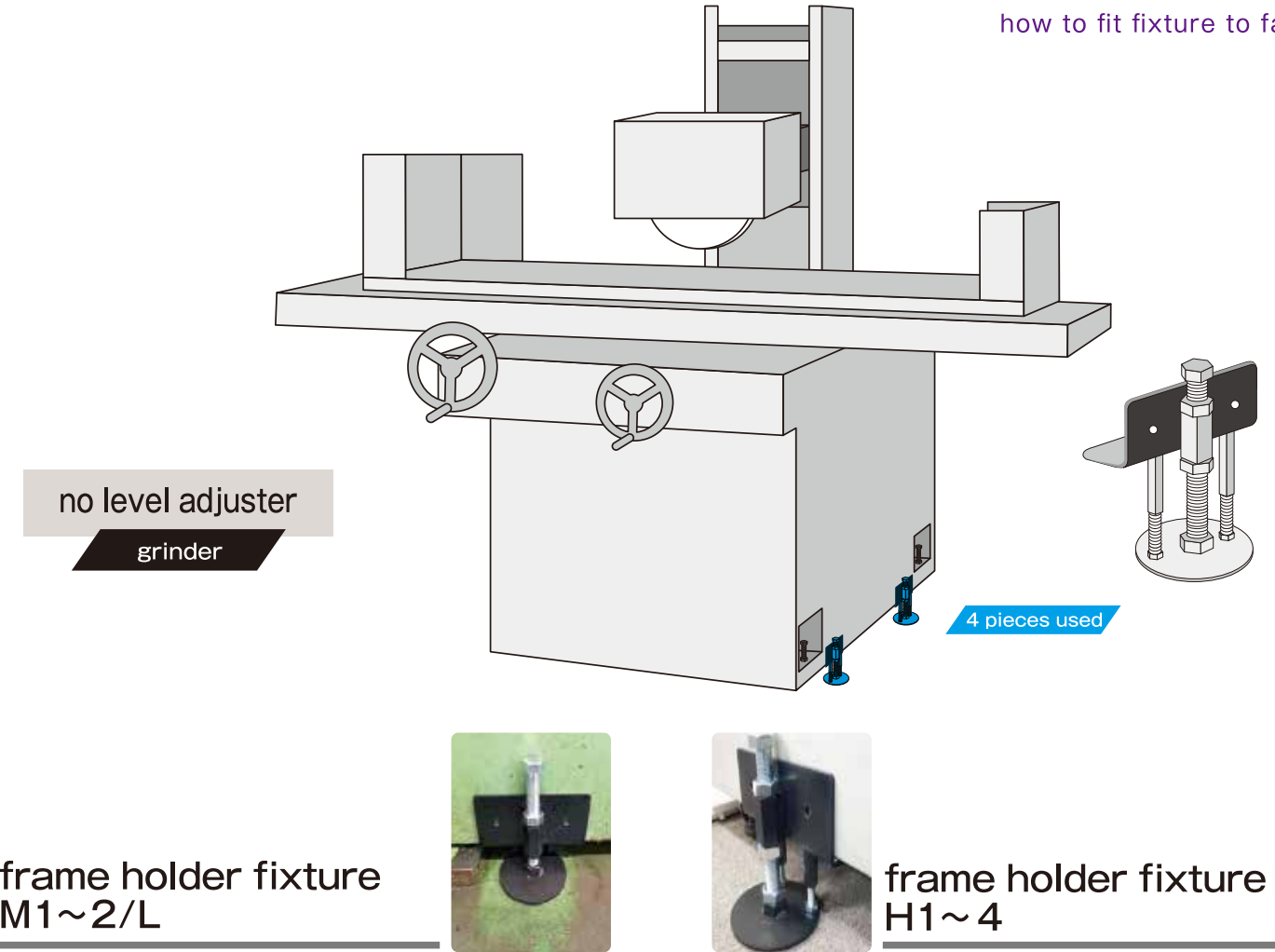
link level adjuster 3201/3202

MS-3053	MS-3054
<p>configuration: products×1, primer B×1 material: steel plate, plated screw, acrylic adhesive, rough size: 100×206×42mm (assembly stage) height range: 22~38mm weight: approximately 900g/piece operating environment temperature: 0°C~40°C object weight: 300kg/piece earthquake resisting force: earthquake intensity class upper 6</p>	<p>level adjuster fit bolt: $\phi 12\sim 20$ rough size: 100×206×67mm (assembly stage) height range: 22~63mm weight: approximately 1000g/piece operating environment temperature: 0°C~40°C object weight: 300kg/piece earthquake resisting force: earthquake intensity class upper 6</p>

MS-3201	MS-3202
<p>configuration: products×1, primer B×1 material: surface treatment steel plate, acrylic adhesive, plated screw sort fitting height range: 22~38mm rough size: 100×255×46mm weight: approximately 950g/piece object weight: 300kg/piece operating environment temperature: 0°C~40°C earthquake resisting force: earthquake intensity class upper 6</p>	<p>level adjuster fit bolt $\phi 18\sim 32$ material: surface treatment steel plate, acrylic adhesive, plated screw sort fitting height range: 22~63mm rough size: 100×55×71mm weight: approximately 1100g/piece object weight: 300kg/piece operating environment temperature: 0°C~40°C earthquake resisting force: earthquake intensity class upper 6</p>

facility without level adjuster

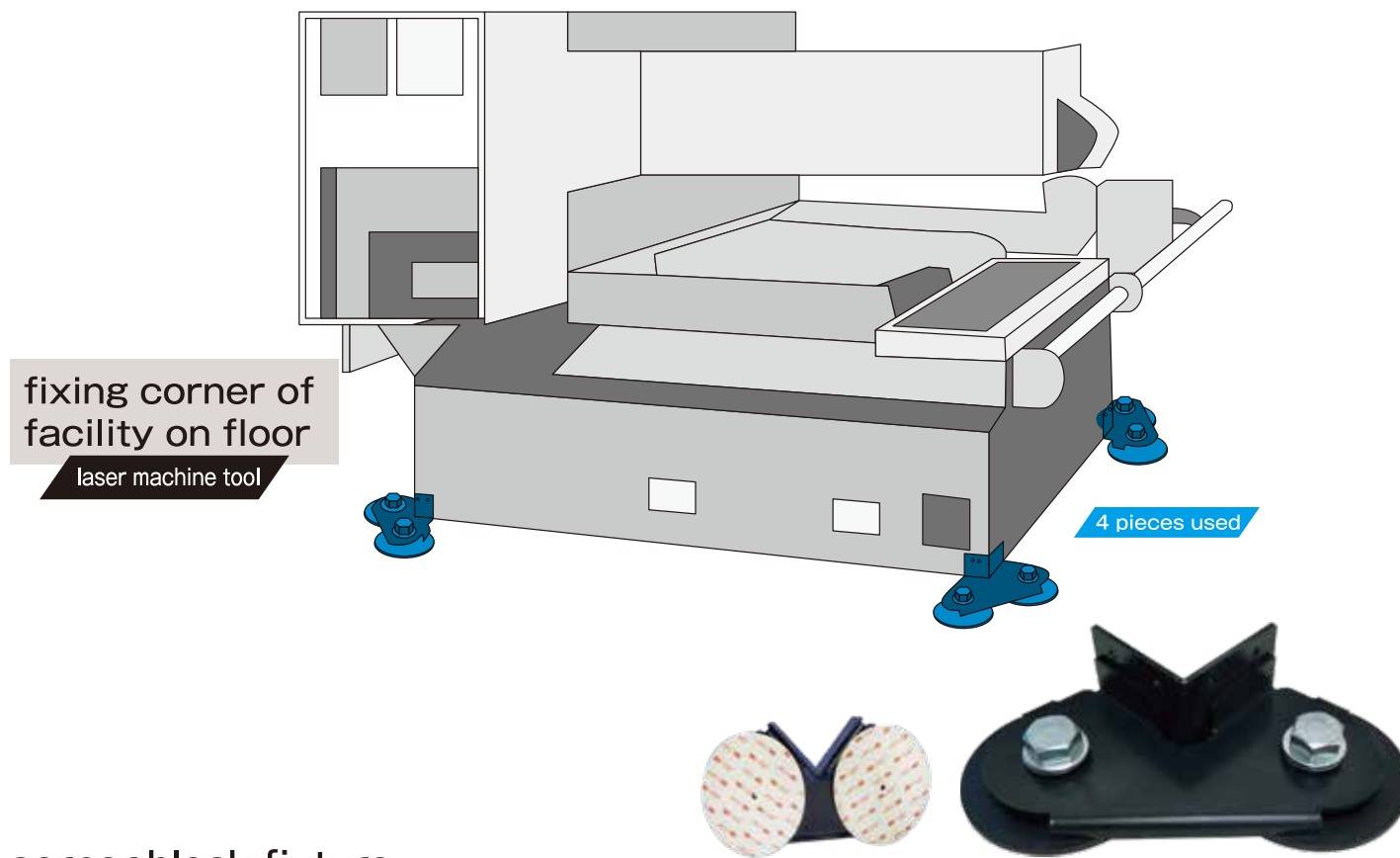
how to fit fixture to facilities



frame holder fixture M1~2/L

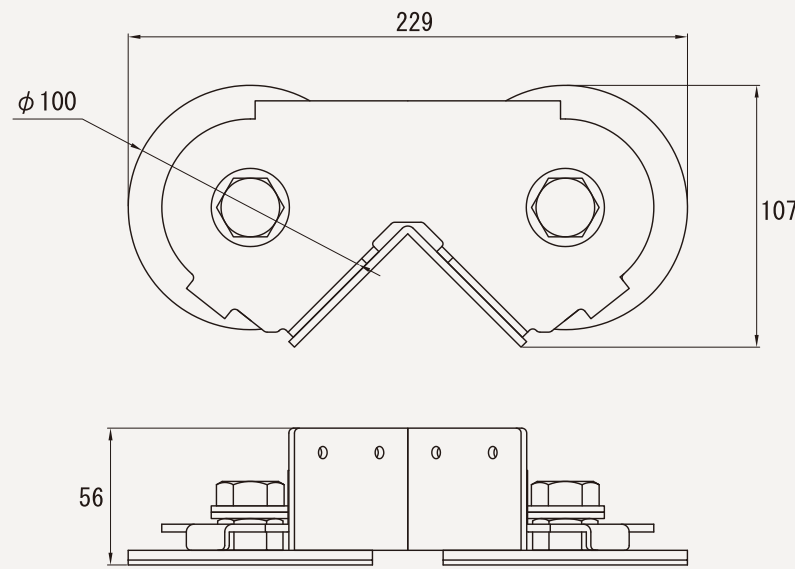
frame holder fixture H1~4

MS-705M1~2/L	MS-705H1~4
<p>705M1~2</p> <p>705L</p> <p>705H</p>	<p>705M1~2</p> <p>705L</p> <p>705H</p>
<p>705M1~2 configuration: products×1 (disk with pad fixture×1, L shape metal plate with adhesive pad×1, M16nut×2, M8bolt×2, M16 hexagonal bolt×1), primer B×2 material: acrylic adhesive, steel plate, plated screw sort rough size: 154×120×125~135mm (M1: higher M2: lower, assembly reference data) weight: approximately 2kg/piece height range for each model: M1: 35~50mm M2: 50~60mm operating environment temperature: 0°C~40°C earthquake resisting force: earthquake intensity class upper 6</p>	<p>705L configuration: products×1 (disk with pad fixture×1, L shape metal plate with adhesive pad×1, M16nut×2, M8bolt×2, M16 hexagonal bolt×1), primer B×2 material: acrylic adhesive, steel plate, plated screw sort rough size: 154×120×131mm (assembly reference data) weight: approximately 2kg/piece height range: 11~35mm operating environment temperature: 0°C~40°C object weight: 500kg less than/piece earthquake resisting force: earthquake intensity class upper 6</p>



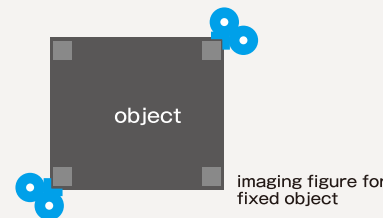
corner block fixture

MS-701



● prevent movement from 2 direction force

- drilling work is no need by using strong adhesive for fix
- fix without object transfer
- prevent movement to 2 direction by V shaped fixture



advise for use fixture to fix from double direction
fix necessary numbers of fixture considering object weight

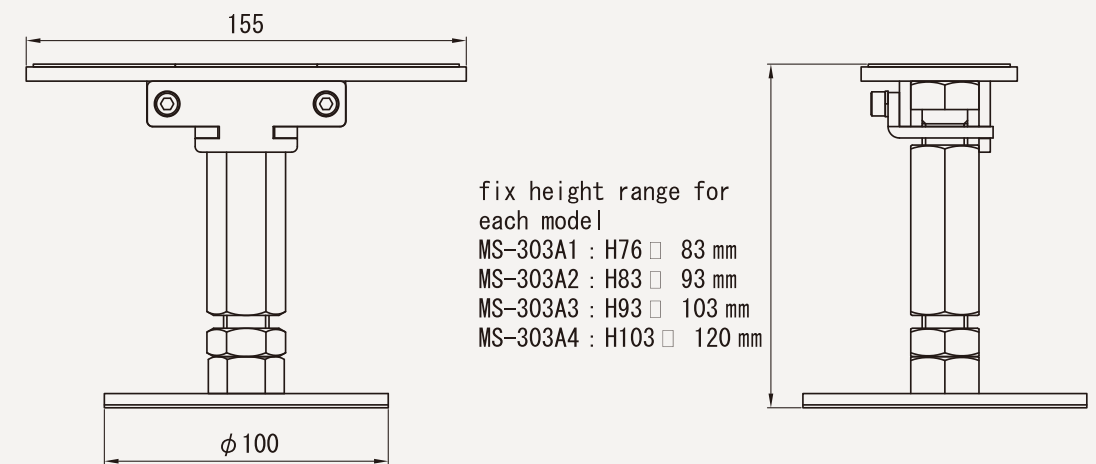
unit length:mm

configuration : V shape metallic stopper fixture×1, disk with pad fixture×2, M16×20 hexagonal bolt×2, washer×4, primerB×2
material : acrylic adhesive, plated steel plate, plated screw sort
rough size : 229×107×56mm
weight : approximately 1kg
object weight : 600kg/piece
operating environment temperature : 0°C ~ 40°C
earthquake resisting force : earthquake intensity class upper 6



bottom holder fixture A

MS-303A



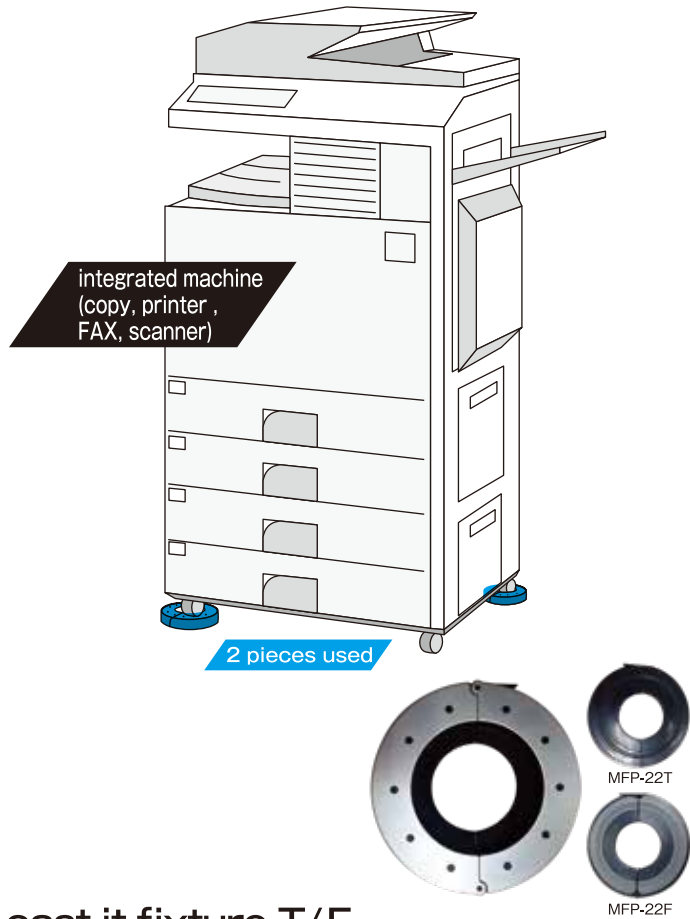
fix height range for each model
MS-303A1 : H76 □ 83 mm
MS-303A2 : H83 □ 93 mm
MS-303A3 : H93 □ 103 mm
MS-303A4 : H103 □ 120 mm

unit length:mm

configuration : disk with pad fixture (for floor) ×1, fixture with adhesive for object×1, link bolt×1 set (bolt · high nu etc), primerB×2
material : surface treatment steel plate, plated iron, acrylic adhesive
rough size · weight : 155×100×76 ~ 120mm, approximately 1 kg/piece
operating environment temperature : 0°C ~ 40°C
object weight : 500kg less than/piece

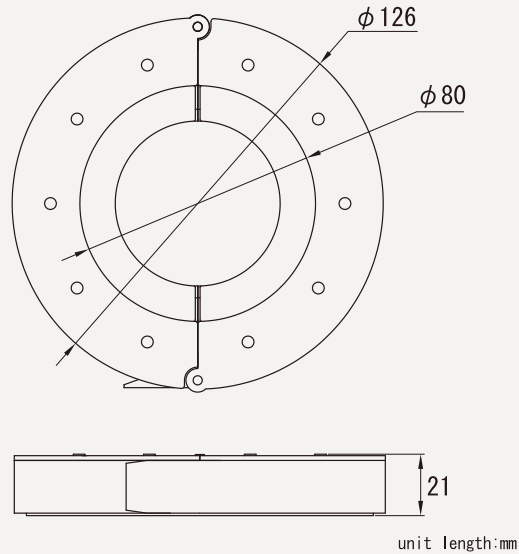


how to fit fixture to facilities

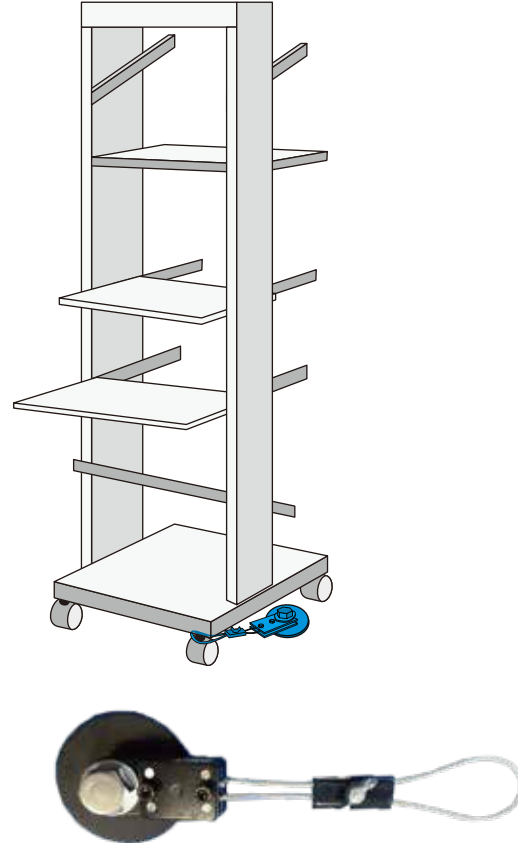


cast it fixture T/F

MFP-22T (for tile carpet floor)
MFP-22F (for tile floor)

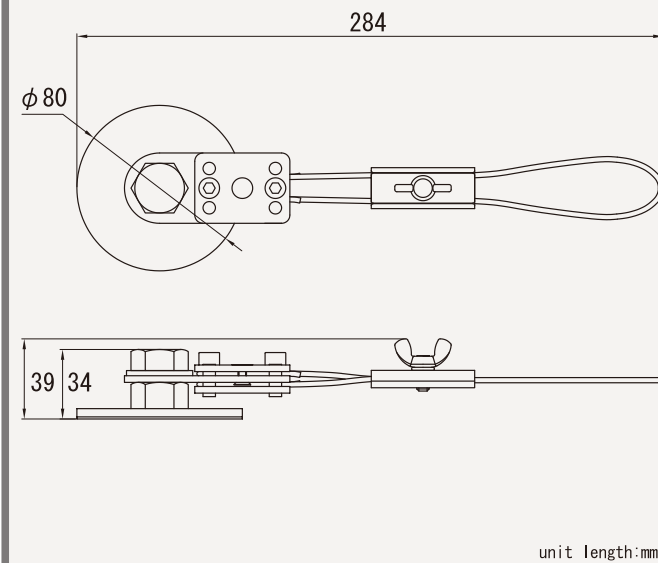


configuration:products×2, instruction manual×1
material:ABS and polycarbonate alloy resin, *urethane resin(*only MFP-22F)
rough size:outer diameter126×inner diameter80×height21mm,
weight:approximately230g/piece Adjuster fitting diameter:φ45~60
operating environment temperature:0°C~40°C
earthquake resisting force : earthquake intensity class upper 6



link wire stopper fixture

MW-001



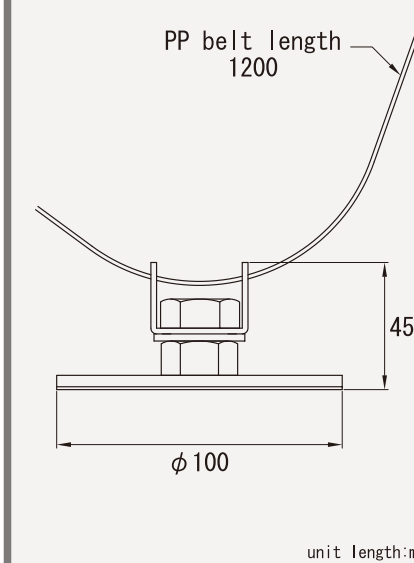
configuration:products×1 : disk with pad fixture×1, metallic wire set×1, screw sort 1set×1, primerB×1
material : steel plate, metal wire, plated screw sort, acrylic adhesive
rough size : 284×80×39mm, weight : approximately480g
object weight : 300kg/piece operating environment temperature : 0°C~40°C
earthquake resisting force : earthquake intensity class upper 6

how to fit fixture to facilities

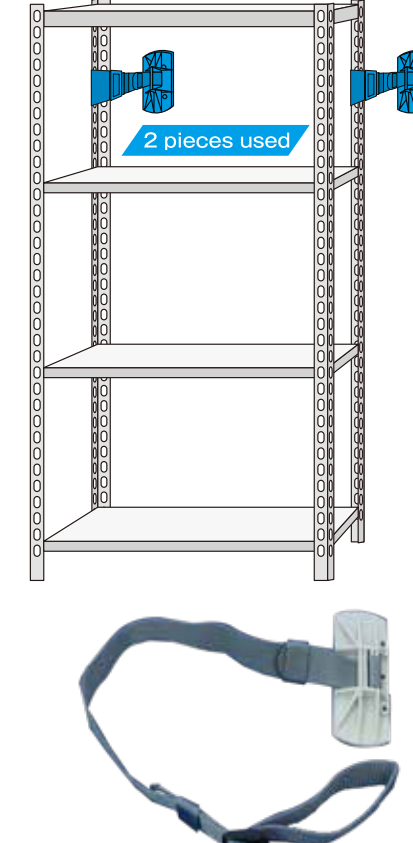


machine holder fixture

MS-002A

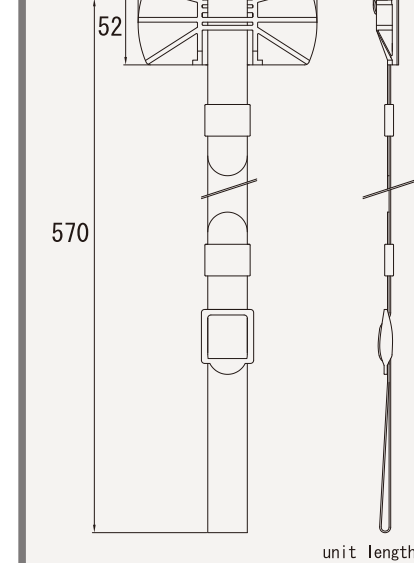


configuration:products×2 (disk with pad fixture, belt hook, belt with buckle), primer B×2
rough size:belt length:approximately1,200mm, binding area dimension:φ100
operating environment temperature:0°C~40°C
object weight:300kg less than/piece
earthquake resisting force : earthquake intensity class upper 6

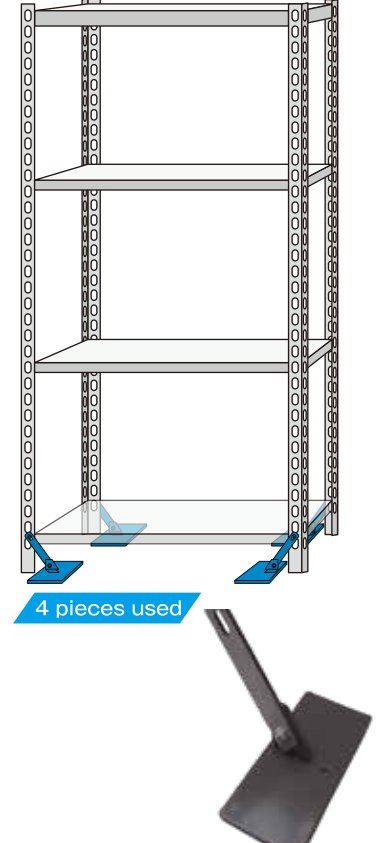


caster frame holder fixture BP

LH-805B2P

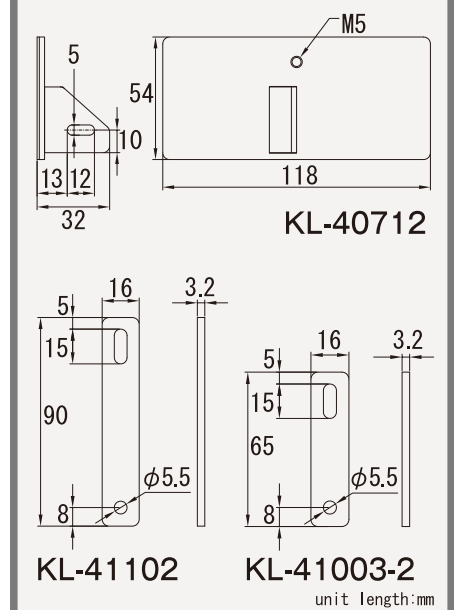


configuration:products (black adhesive pad) ×2, alcohol pad×2, wooden screw×4, instruction manual×1
material:ABS and polycarbonate alloy resin, polypropylene, polyacetal, acrylic adhesiv
rough size:113×570×18mm
weight:approximately50g/piece
operating environment temperature:0°C~40°C
object weight:150kg less than/piece(case of fix on wall)
earthquake resisting force : earthquake intensity class upper 6



L-shape metal parts fitting and linkplate

KL-40712 + KL-41102
KL-40712 + KL-41003-2



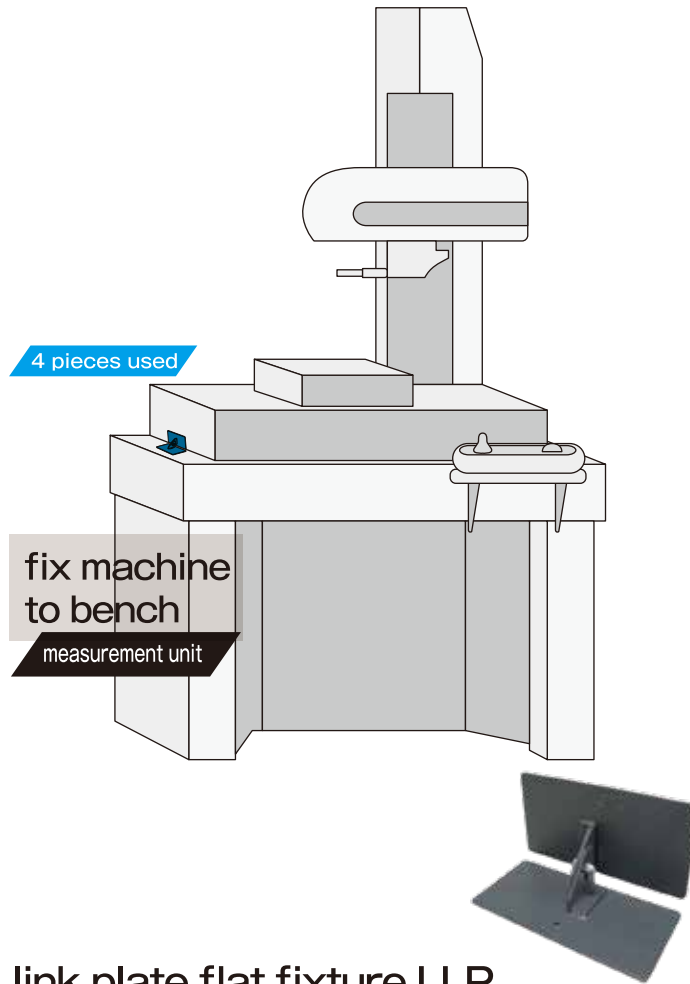
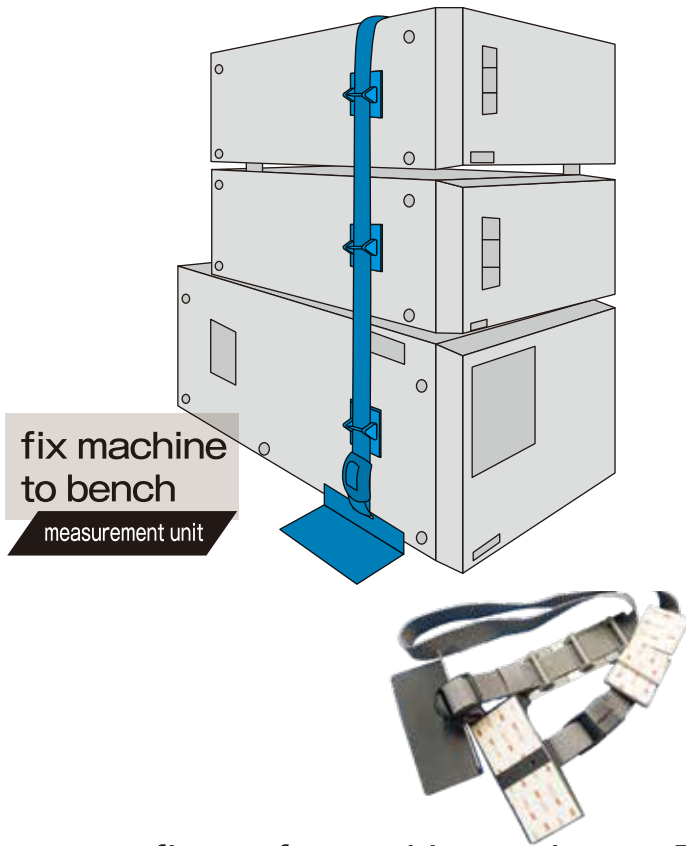
configuration:products× 1
rough size:KL-40712(with adhesive tape) : 118×54×32mm, KL-41102:90×16×3.2mm, KL-41003-2: 65×16mm weight:KL-40712:130g,KL-41102:32 g, KL-41003-2:22g
operating environment temperature:0°C~40°C
object weight : 120kg less than/assembly stage
earthquake resisting force : earthquake intensity class upper 6

MS-002A, LH-805B2P, KL-40712

LH-930LP, LP-0812P

facility on bench

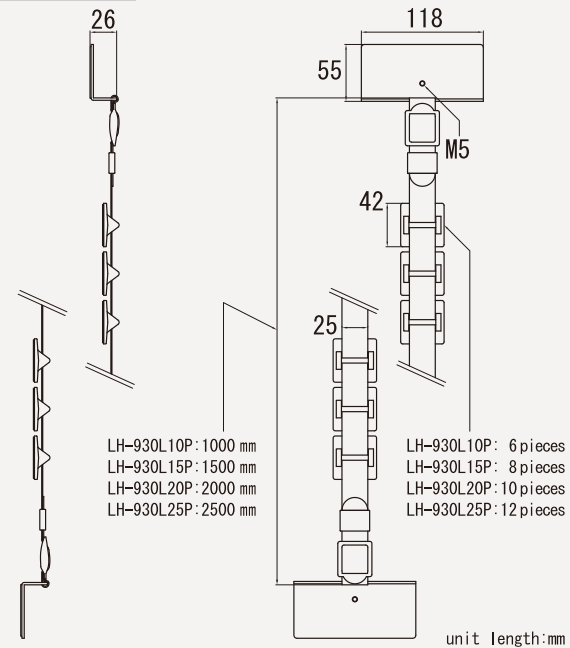
how to fit fixture to facilities



stopper fixture for stacking equipment P

link plate flat fixture LLP

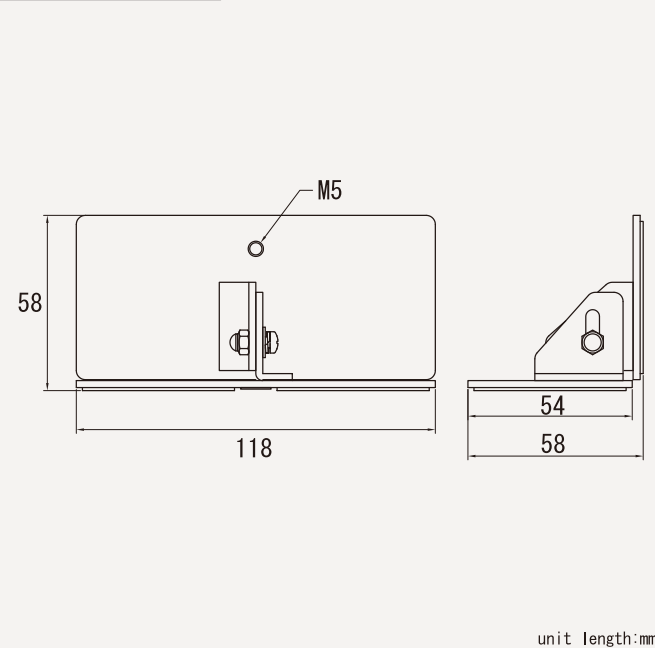
LH-930LP



configuration: products×1, alcohol pad×8~14
rough size: plate 118×55×26mm.
belt length (right table) mm
weight: 800g/piece
operating environment temperature: 0°C ~ 40°C
earthquake resisting force : earthquake intensity class upper 6

model number	belt length	number of adhesive hook	number of alcohol pad
LH-930L10P	1000mm	6	8
LH-930L15P	1500	8	10
LH-930L20P	2000	10	12
LH-930L25P	2500	12	24

LP-0812P

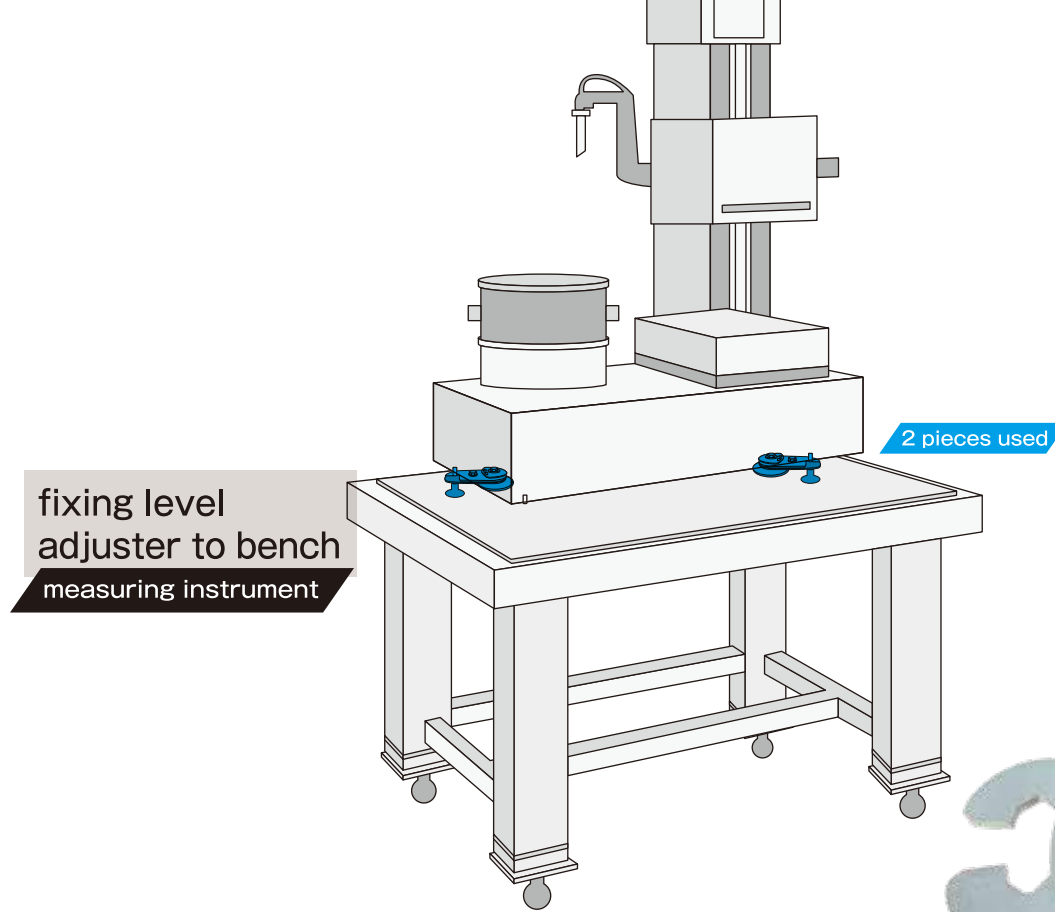


configuration: products×2
configuration: steel plate, plated screw sort, acrylic adhesive
rough size : 118×58×58mm weight: approximately 270g/piece
operating environment temperature : 0°C ~ 40°C
object weight : 120kg less than /piece
earthquake resisting force : earthquake intensity class upper 6

MS-3071

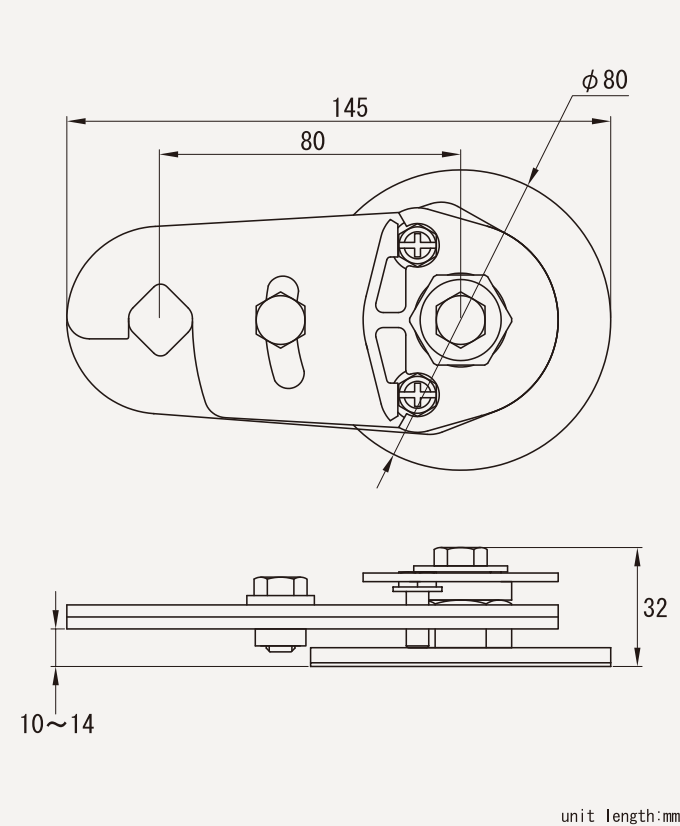
facility on bench

how to fit fixture to facilities



level adjuster stopper fixture SS

MS-3071



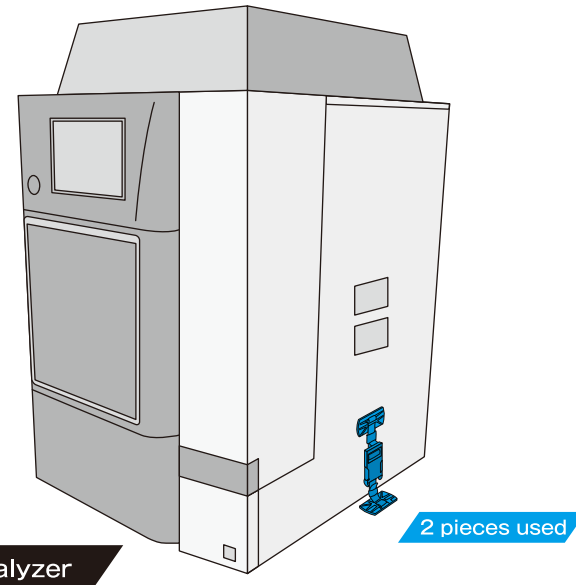
configuration : products×1 (disk with pad fixture×1, shear of link plate×1pair, height adjustment plate×1, bolt · nut etc) . primerB×1
material: steel plate, plated screw, acrylic binding material
appearance: gray (partly black) bolt diameter : level adjuster fitting bolt φ5 ~ 12
height range: 10 ~ 14 mm rough size : 80×145×32 mm
weight : 530g/piece object weight : 200 kg less than / piece
operating environment temperature : 0°C ~ 40°C
earthquake resisting force : earthquake intensity class upper 6



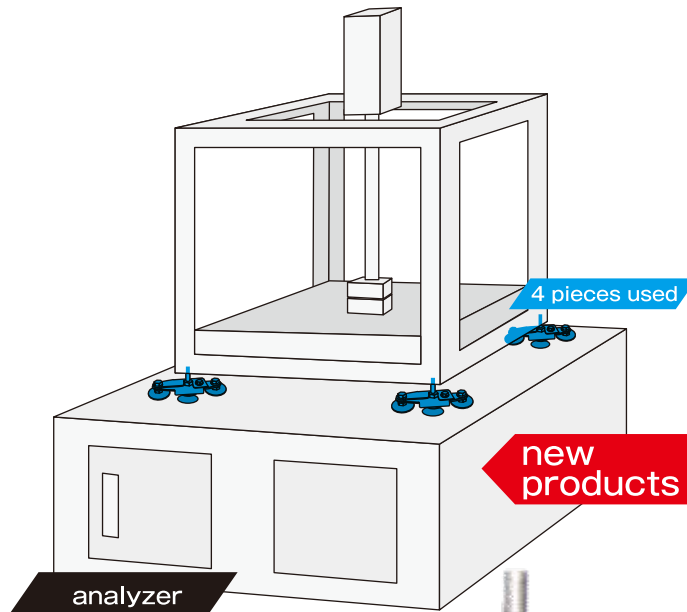
LH-8051, MS-802S

facility on bench

how to fit fixture to facilities



analyzer



analyzer

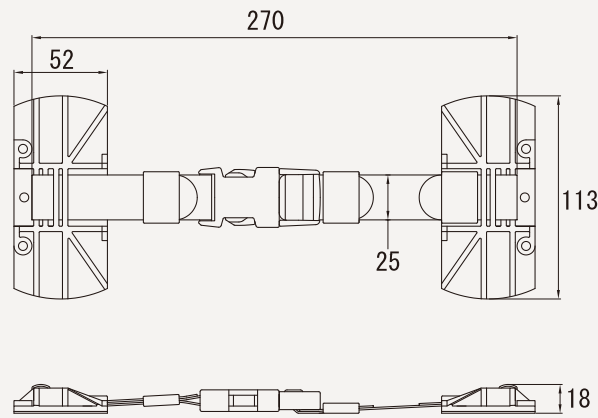


cabinet holder fixture BS



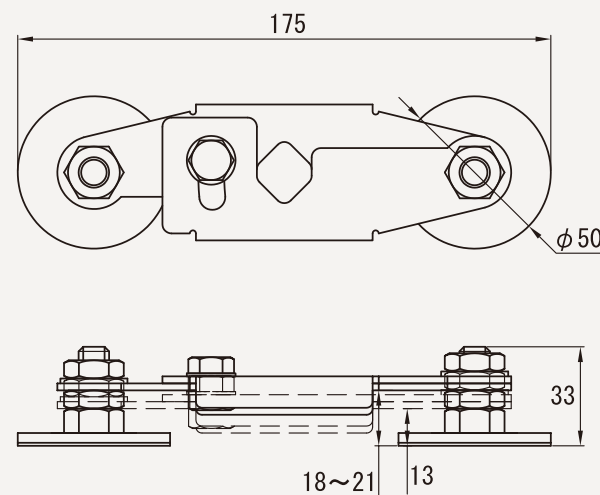
facility overturning stopper fixture S

LH-8051



configuration : products (binding pad white) ×1
material : ABS and polycarbonate alloy resin, polypropylene, polyacetal, acrylic adhesive
rough size : 113×270×18 mm max fix pitch : 200 mm
weight : 65g/piece
operating environment temperature : 0°C ~ 40°C
object weight : 90kg less than/piece
earthquake resisting force : earthquake intensity class upper 6

MS-802S

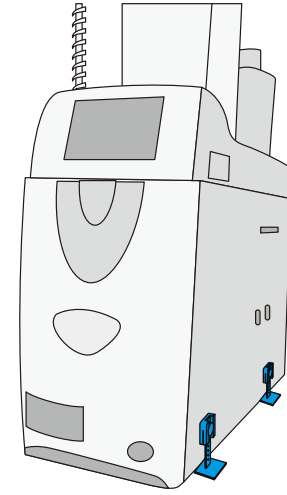


configuration: products×1 (disk with pad fixture φ50×2, clipper50plate1 set×1)
material : acrylic adhesive, plated steel plate, plated screw
rough size : 175×50×33mm weight : approximately 0.4kg/piece Adjuster
fitting diameter : φ10-16 less than
range of fix height : 10 -13mm weight : 400g
operating environment temperature : 0°C ~ 40°C resisting turnover strength : 150kg
resisting movement strength : 150kg
earthquake resisting force : earthquake intensity class upper 6

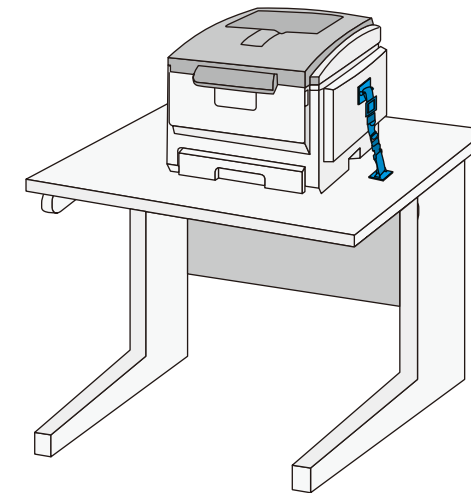
LS-484, LM-402P, LM-401

direct storage facility

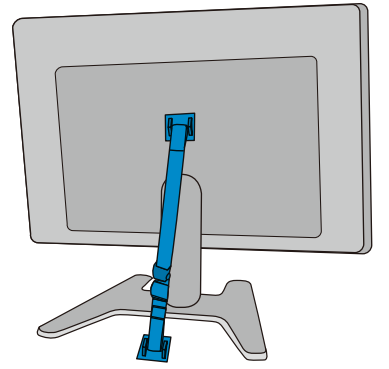
how to fit fixture to facilities



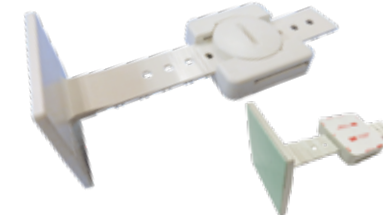
analyzer



printer



display monitor



link stopper fixture T type

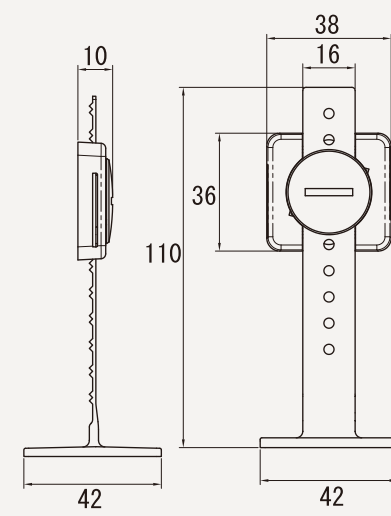


tabletop printer stopper fixture P



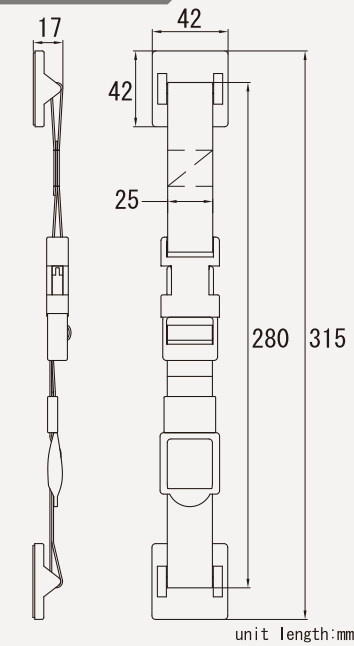
display monitor stopper hook fixture

LS-484



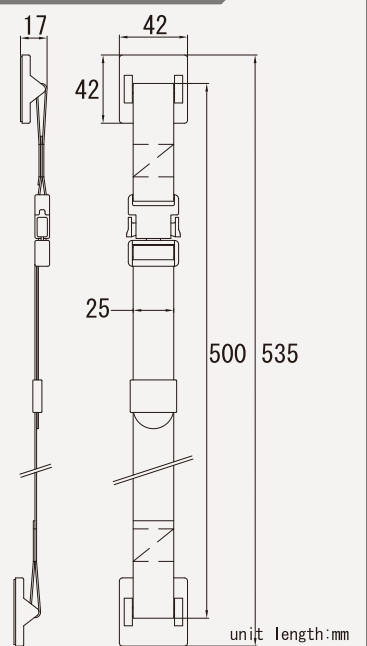
configuration : products×4, adhesive pad (36×38mm : 4, 40×40mm : 4), alcohol pad×2 material : PC/ABS resin, acrylic adhesive rough size : 110×42×42mm weight : approximately 20g/piece
operating environment temperature : 0°C ~ 40°C
object weight : case of fix object on top board : 40kg less than/piece
case of fix object on wall panel : 20kg less than/piece
earthquake resisting force : earthquake intensity class upper 6

LM-402P



configuration : products×2, alcohol pad×2
material : ABS and polycarbonate alloy resin, polypropylene, polyacetal, acrylic adhesive
rough size : 280×42×17mm
weight : approximately 85g object weight : 40kg less than/set
operating environment temperature : 0°C ~ 40°C
earthquake resisting force : earthquake intensity class upper 6

LM-401



configuration : products×1
material : polyacetal, ABS resin, polypropylene, acrylic adhesive
rough size : 500×42×17mm
weight : approximately 40g/piece
operating environment temperature : 0°C ~ 40°C
object weight : 25kg less than/piece
earthquake resisting force : earthquake intensity class upper 6

preventing drop

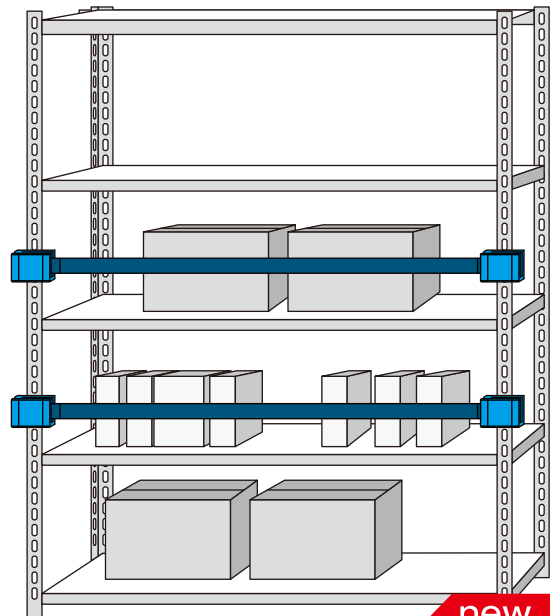
patent pending

Business Continuity Plan

LH-918EP, NS-205, NS-251

preventing drop object on rack using belts

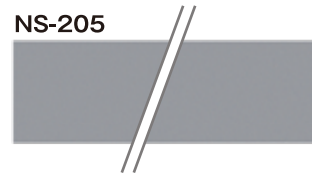
how to fit fixture to facilities



new products



preventing drop band (90 ~ 210 cm) P

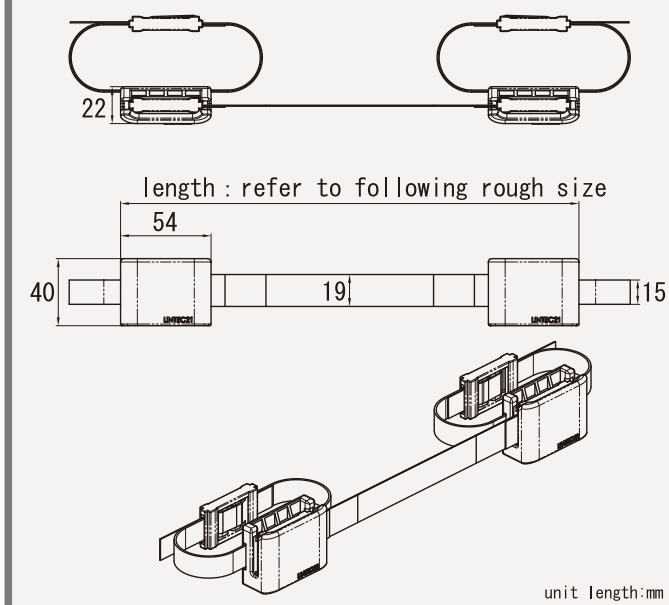


chewit fixture



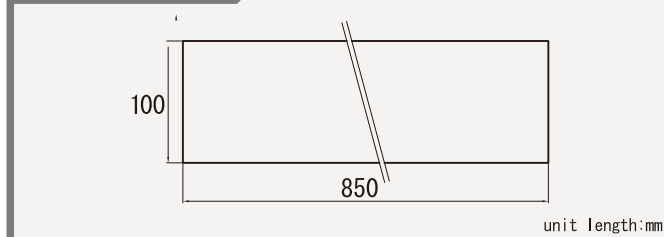
nonslip sheet fixture

LH-918EP



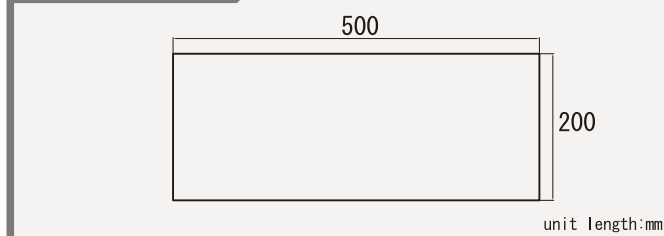
material : polypropylene belt, polycarbonate ABS resin, acrylic adhesive
 rough size :
 LH-918E09P/40×22×900 mm LH-918E18P/40×22×1,800 mm
 LH-918E12P/40×22×1,200 mm LH-918E21P/40×22×2,100 mm
 LH-918E15P/40×22×1,500 mm
 weight : approximately 70g/piece object weight : 125 kg /piece
 operating environment temperature : 0°C ~ 40°C
 earthquake resisting force : earthquake intensity class upper 6

NS-205



configuration: chewit fixture L×10 sheets material: synthetic rubber (double molded plastic type) /appearance: gray (front) , back(black)
 rough size: 850×100×2mm, weight 160g/piece
 object weight: 40kg less than/sheet operating environment temperature: 0°C~40°C
 earthquake resisting force : earthquake intensity class upper 6

NS-251



material : vinyl chloride sheet (black)
 rough size : 500×200×2 mm weight : 40g
 object weight : approximately 40 kg /piece
 operating environment temperature : 0°C~40°C
 earthquake resisting force : earthquake intensity class upper 6

LR-101P, LR-77P

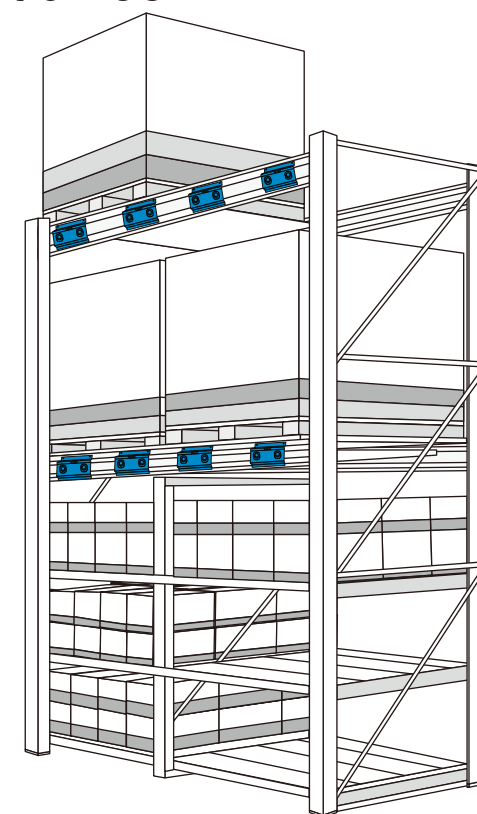
preventing drop pallet from pallet-rack using metal fixture attaching to front of rack

patent pending

Business Continuity Plan

preventing drop

how to fit fixture to facilities



preventing drop pallet from pallet-rack by pad wound around front frame

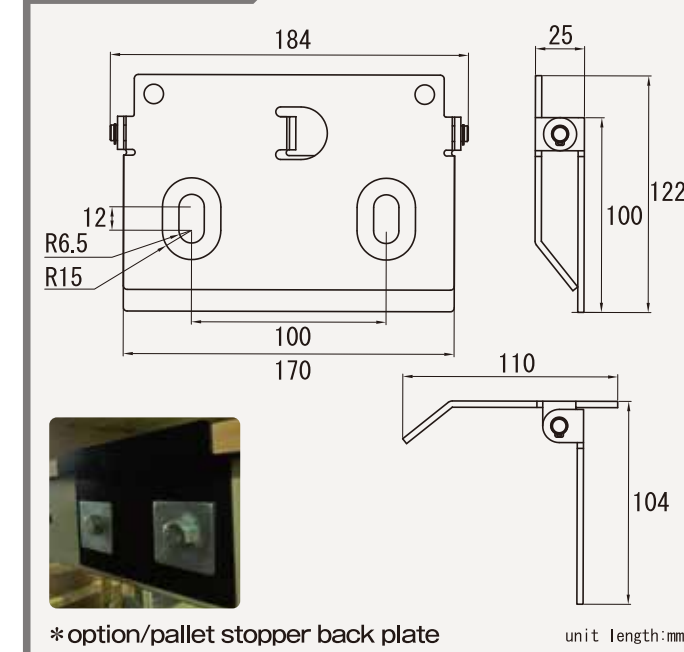


rack pad fixture



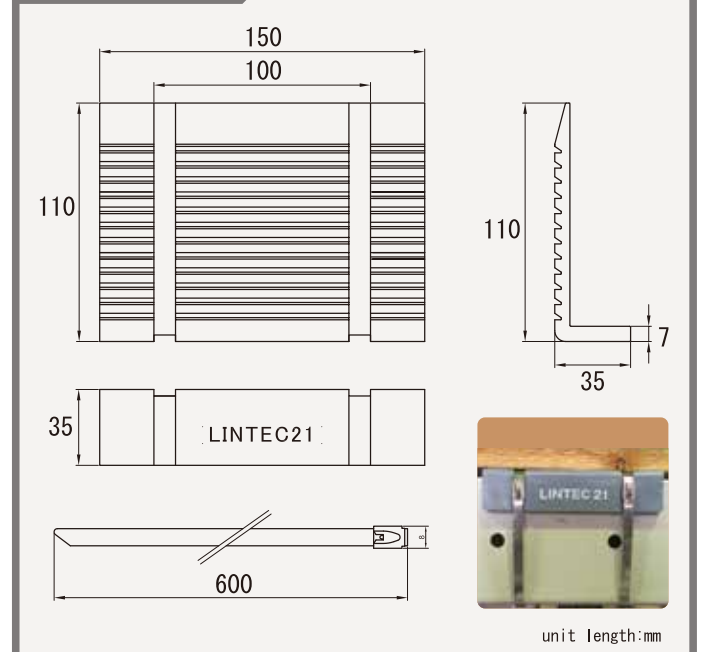
pallet stopper fixture

LR-101P



*option/pallet stopper back plate
 configuration: products×2 accessories: ①hexagonal bolt (M12×80:4) ②hexagonal nut (M12-1 type:4, M12-3 type:8) ③flat washer (M12:12, M14:16) ④square washer (M12:50×50:4) ⑤instruction manual:1 material: plated steel plate, plated screw
 rough size: 184×122×25mm weight: approximately 1.1kg/piece
 object weight: 1t less than/1pallet (2pieces) note: less than 300Kg for single fix
 ittable pallet rack: checked fitting capability some of rack made by vendors such as sansin, nitiyu, daifuku operating environment temperature: 0°C~40°C
 earthquake resisting force : earthquake intensity class upper 6

LR-77P



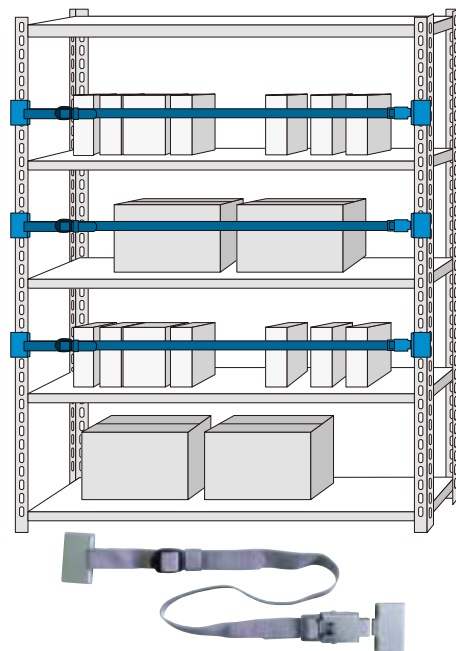
material: rack pad fixture (soft vinyl chloride), metallic belt (stainless)
 configuration: rack pad×6pieces, metallic belt×12pieces, safety cap×12pieces
 rough size: 150×110×35mm
 object weight: 500kg/set
 weight: 150 g/piece
 operating environment temperature: 0°C~40°C
 earthquake resisting force : earthquake intensity class upper 6

LH-918EP, NS-205, NS-251

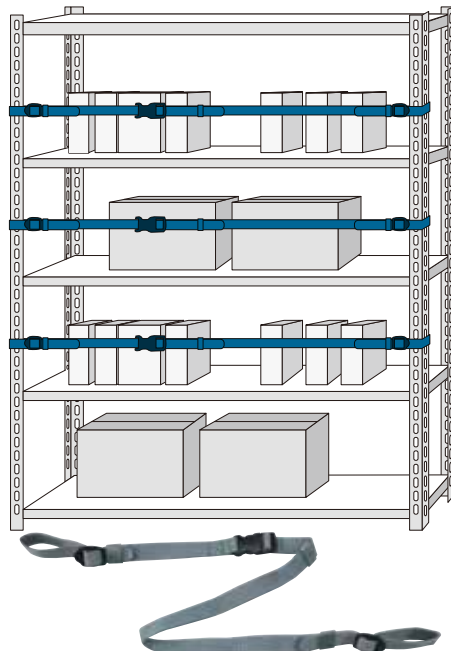
LR-101P, LR-77P

preventing drop object on tray of rack

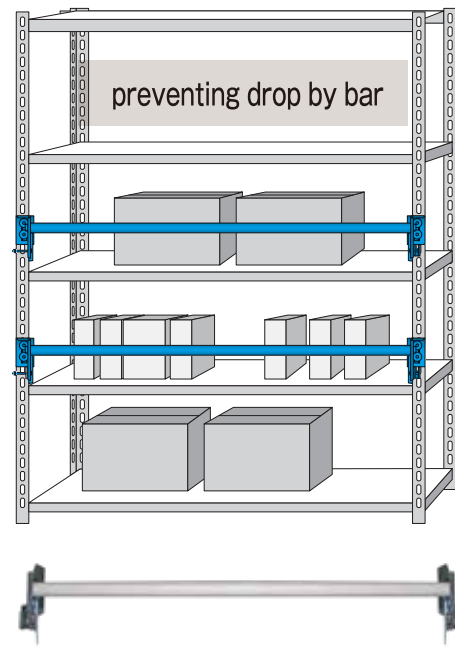
how to fit fixture to facilities



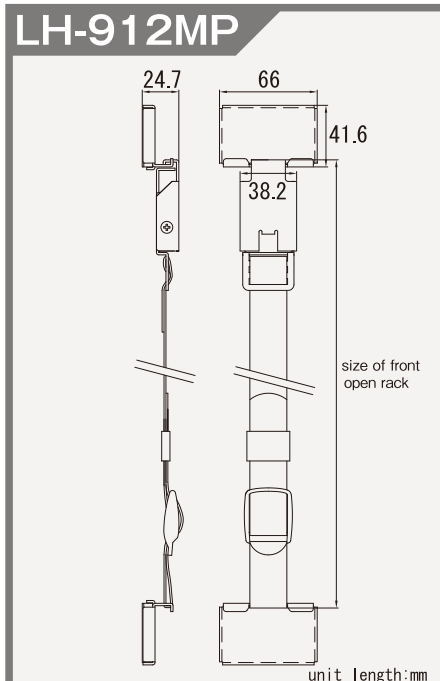
drop stopper fixture M(90 ~ 21cm) P



drop stopper fixture S(90 ~ 21cm) P

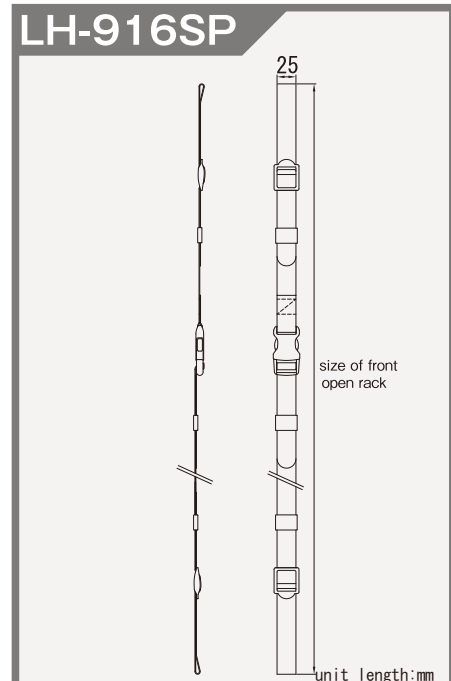


preventing drop by bar
drop stopper fixture U/L



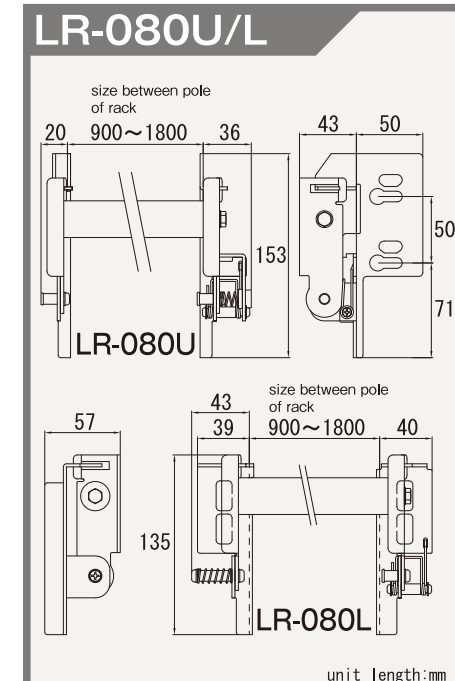
configuration : products×1, alcohol pad×1, instruction manual×1
material : steel plate, polyacetal, polypropylene, ferrite magnet, acrylic adhesive
rough size : 900~2100×66×25mm
weight : approximately 300g/piece
object weight : 100kg less than/piece
operating environment
temperature : 0°C~40°C
earthquake resisting
force : earthquake
intensity class upper 6

model number	size of front open rack
LH-912M09P	900mm
LH-912M12P	1200mm
LH-912M15P	1500mm
LH-912M18P	1800mm
LH-912M21P	2100mm



configuration : products×1, alcohol pad×1, instruction manual×1
material : polyacetal, polypropylene, styrene adhesive
rough size : 900~2100×34×12mm
weight : approximately 60g/piece
object weight : 100kg less than/piece
operating environment
temperature : 0°C~40°C
earthquake resisting
force : earthquake
intensity class upper 6

model number	size of front open rack
LH-916S09P	900mm
LH-916S12P	1200mm
LH-916S15P	1500mm
LH-916S18P	1800mm
LH-916S21P	2100mm

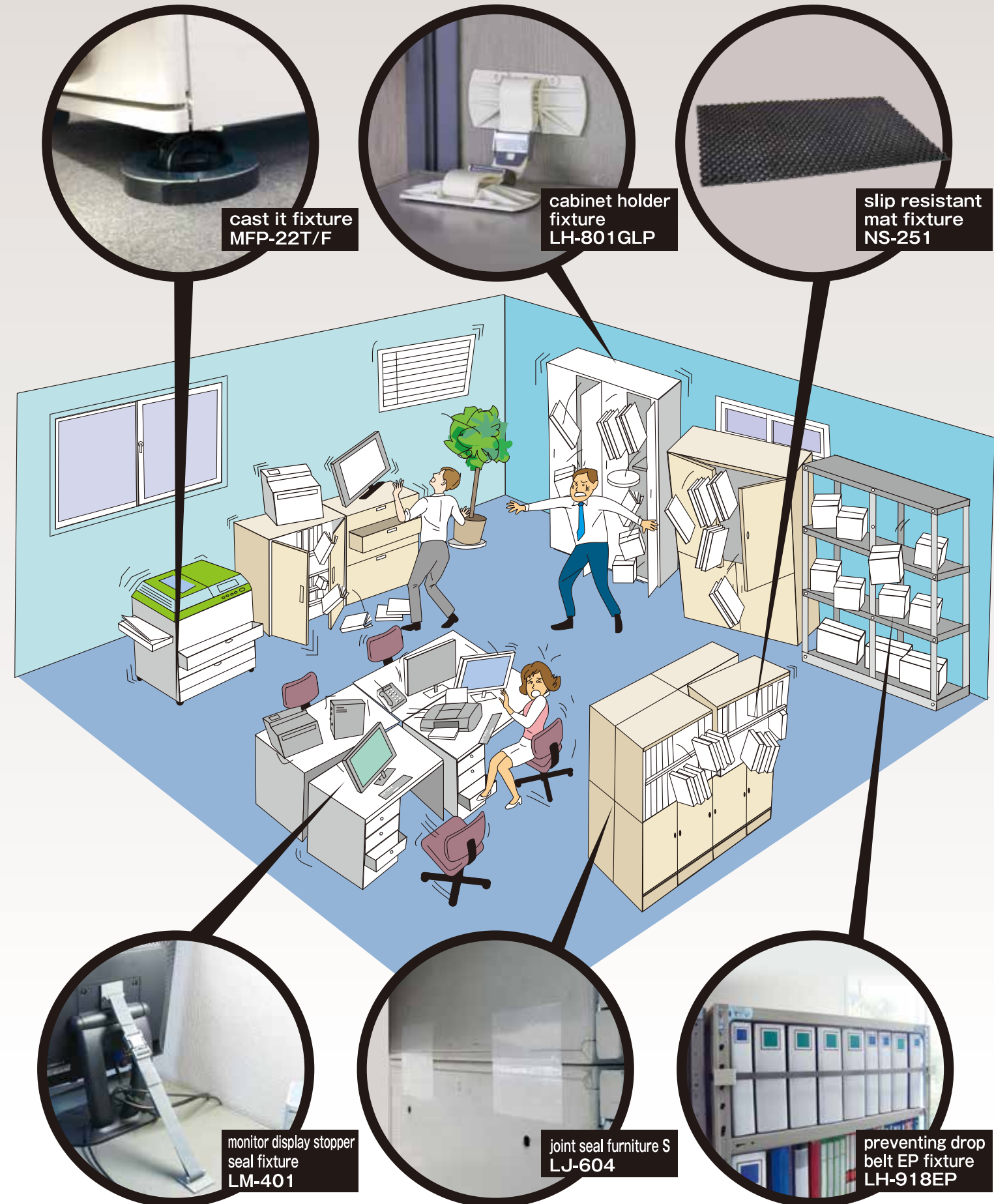


configuration : pipeholder×2, pipebar×1, mounting bracket×2
material : plated steel plate, plastic coated steel pipe, plated screw
weight : U/L09-1200, U/L12-1300, U/L15-1500, U/L18-1700 (unit : g) object weight : 100kg
operating environment
temperature : 0°C~40°C
earthquake resisting force : earthquake intensity class upper 6

P/no (for side panel fix)	P/no (for side open rack)	size of front open rack
LR-080U09	LR-080L09	900mm
LR-080U12	LR-080L12	1200mm
LR-080U15	LR-080L15	1500mm
LR-080U18	LR-080L18	1800mm

do not forget to prevent earthquake damage

seismic contingency counterplan for facilities in office



LH-912MP, LH-916SP, LR-080U/L

table of products for plant application

○= fixable △=please ask us on fix condition

all sorts of leaflets

		large classification	general machine					PC board manufacturing machine					bench, measurement stand (measuring instrument)					rack class				warehouse	car truck	clean room	food related machine	office machine	etc	
fixing position	page	object	press machine	NC machine tool		general purpose machine	laser process machine	reflow oven	moulder	solder printing machine	injection molding machine	automatic machine	thermostatic chamber	tester	microscope	desktop measuring instrument	desiccator	measurement rack	tool box	open rack	cabinet	pallet rack	car truck	semi conductor tester	production facility	integrated copy machine	T V	fire extinguisher
		model number	weight	~1.8t	~1.8t	1.8t~5t	0.5~2t	0.5~5t	3~5t	~2.5t	~2.6t	~5t	0.3~3t	0.1~1.5t	0.3~3t	~0.2t	~0.1t	~0.3t	~0.5t	~0.6t	~1.0t	~1.0t		~0.5t				
level adjuster	11	MS-802M/L	○	○	△	○	○	○	○	○	○	○																
	17	MS-3053	○	○		○	○	○	○	○	○	○	○															
	17	MS-3054	○	○		○	○	○	○	○	○	○	○													SUS (custom order)		
	17	MS-3201	○	○		○	○	○	○	○	○	○	○															
	17	MS-3202	○	○		○	○	○	○	○	○	○	○															
bottom fixing	36	MRO-001(SUS製)																							○			
	20	MS-303A	△	△	△	△	△	△	△	△	△	△	△	△														
	18	MS-705M/L/H	○	○	△	○	○	○	○	○	○	○	○	○														
	22	KL-40712+KL-41102 KL-40712+KL-41003-2																○		○	○							
side fixing	22	MS-002A															○		○									
	16	LP-086											△	△	△	△	△	○	△	△	△							
	23	LP-0812P	○			○	○				○	△	○	○			○	○	○	○	○							
	19	MS-701					○			○	△	○																
	12	MS-201L/202L	○	○	△	○	○	○	○	○	○	○	○	○														
caster	26	LS-484											○		○													
	21	MW-001									○	○	○				○	○							SUS (custom order)			
	21	MFP-22T/F															△	△								○		
preventing drop	36	MRW-001									○	○	○				○	○									△	
	27	LH-918EP																		○								
	28	LR-101P																				○						
	28	LR-77P																				○						
	29	LR-080U/L																				○						
	29	LH-912MP																										
fixing on bench	29	LH-916SP																										
	24	MS-3071																										
	25	MS-802S																										
	25	LH-8051																										
	23	LP-0812P																										
	26	LM-402P																										
monitor display stopper seal fixture	23	LH-930LP																○										
	27	NS-205																										
wall fixing	27	NS-251																										
	14	LH-801GLP																										
	14	LH-803P																										
	22	LH-805B2P																										
	26	LM-401																									○	
link fixing	36	LK-119BP																									○	
	15	LH-401/LH-402																										
	15	LW-301/302																										
	13	LJ-604																										
top board fixing	13	LJ-200																										
	13	LR-091~098																										
	16	LP-082/083																									○	

各種専用チラシ(下記一例)をご用意しています。
ご入用の際には、お電話、もしくは当社担当者までお申し付けください。



replacing adhesive pad

LINTEC 21 model number list of replacing adhesive pad for products
 *Detail information is shown on our homepage .a part of information on this catalog.
 products with underline is carrying on this catalog

P/no	products name	products photograph	object model number	size	number of pad sheets for replacement	alcohol pad number of sheets
LQ-01	adhesive pad/ alcohol pad (for LS-282 model)		LS-281, LS-282, LS-581	30×30 mm	4sheets	1sheet
LQ-06	adhesive pad/ alcohol pad (for LS-484 model)		LS-481, <u>LS-484</u>	①36×38 mm ②40×40 mm	①4sheets ②4sheets	2sheets
LQ-09	adhesive pad/ alcohol pad (for linkholder)		LH-102, LM-401	40×40 mm	4 sheets	1sheet
LQ-14	for double-sided adhesive pad plate (50×50) with 10 sheets		<u>KL-40712</u> , LH-930, LP-050, <u>LP-0812P</u> , LP-080, LP-081, <u>LP-082</u> , <u>LP-083</u> , <u>LP-086</u> , LP-087, <u>MS-303A</u> , <u>MS-705H/M</u>	50×50 mm	10 sheets	—
LQ-15	VHB tape for repair (for link plate) 10 sheets		<u>MS-802S</u>	φ50	10 sheets	—
LQ-23	VHB tape for repair (for φ 100 disc) 5 sheets		<u>MQ-002A</u> , <u>MRO-001</u> , <u>MS-002A</u> , <u>MS-201L</u> , <u>MS-202L</u> , <u>MS-301</u> , <u>MS-303A</u> , <u>MS-303W</u> , <u>MS-3051</u> , <u>MS-3052</u> , <u>MS-3053</u> , <u>MS-3054</u> , <u>MS-3201</u> , <u>MS-3202</u> , <u>MS-350EX1~4</u> , <u>MS-701</u> , <u>MS-705H/M</u>	φ 100	5 sheets	—
LQ-25	double-sided adhesive pad for replacement (for φ80 disc) 5 sheets		<u>MRW-001</u> , <u>MS-3071</u> , <u>MW-001</u> , <u>MW-003</u>	φ80	5 sheets	—
LQ-28	adhesive pad/ alcohol pad (for LH-801P model) 2 sheets		LH-801P, LH-805, LH-803, <u>LH-8051</u> , LH-8052, LW-041, LW-405	8 cuts	2 sheets	1sheet
LQ-32	double-sided adhesive pad plate for replacement (for extinguisher hook) 10 sheets		LK-119B-2, <u>LK-119BP</u>	50×50 mm	10 sheets	—
LQ-36	adhesive pad/ alcohol pad (for LH-901P model) 2 sheets		LH-901P	①40×40 mm (white) ②40×40 mm (black)	①2 sheets ②2 sheets	2 sheets
LQ-37	adhesive pad/ alcohol pad (for LH-803P model) 2 sheets		LH-801BP, <u>LH-801GLP</u> , <u>LH-803P</u> , <u>LH-805B2P</u> , LH-804, LH-8051B, LH-8052B, LH-805B, LH-815B	8 cuts	2 sheets	1 sheet
LQ-38	adhesive pad/ alcohol pad (for LH-912M model) 10 sheets		<u>LH-912M09 ~ 21</u> , <u>LH-912M09 ~ 21P</u>	40×50 mm	10 sheets	10 sheets
LQ-45	adhesive pad/ alcohol pad(for LM-402P /LM-4021 model) 4 sheets		LM-4021, <u>LM-402P</u> , LP-079, LP-084, LP-085, LP-088, LP-089, LP-093	40×40 mm	4 sheets	2 sheets
LQ-46	adhesive pad/ alcohol pad (for LH-901LP /LH-901GLP model) 4 sheets		LH-901GLP, LH-901LP, LH-901NH-10, LH-901NHP, LH-901NP	40×40 mm	4 sheets	2 sheets

fixing example is just stick it

(in case of MS-3053 fixture)



shear level adjuster

this product is earthquake proof fixture(preventing movement) for accurate measurement tool
 put and fix between 2 pieces of shear plates integrated to disk by adhesive. diameter of level adjuster is Less than M20 size.

open 2 pieces shear plates and close shear bolt with plates. Then bolt softly for tentative fixing

confirm parallelism of shear plate and floor surface. go to B if parallel no parallel go A (height adjustment)



adjust to make parallel by bolting phillips head screwdriver and spanner at M6 bolt with shape head temporarily, take MS-3053 or MS-3054 from fixing position out

clean around pasting position of disk by alcohol and waste cloth, and dry well

turn disk back, peel release sheet from disk adhesive sheet and paste 1 unit of full primer accessory to entire surface uniformly . pasting volume is 5g for 1 tube

attention not to touch adhesive surface on wrong position even once, push disk to floor strongly and bonding make 2 pieces of shearing plates open close to shear bolt of level adjuster



rotate the disk to roll sideways to extend disk and floor primer B uniformly and evenly . leave for about 30 minutes. Conform spill primer B over disk edge to check extending primer B to full face

conform disk fixed perfectly . 30 minutes after fixing, bolt M8 and M16 following specified torque by torque wrench. specified torque is M8:17.5Nm /M16:10Nm annotation :attention over bolting above described specified 10Nm in order to avoid introduce losing adhesive force and Providing insufficient performance

primer B LA-350	5g/5pieces		could absorb ragged surface for fixing and keeping full adhesive area perfectly because of moderately viscosity. From this, maximizing adhesive effect from super strong adhesive pad
--------------------	------------	--	---

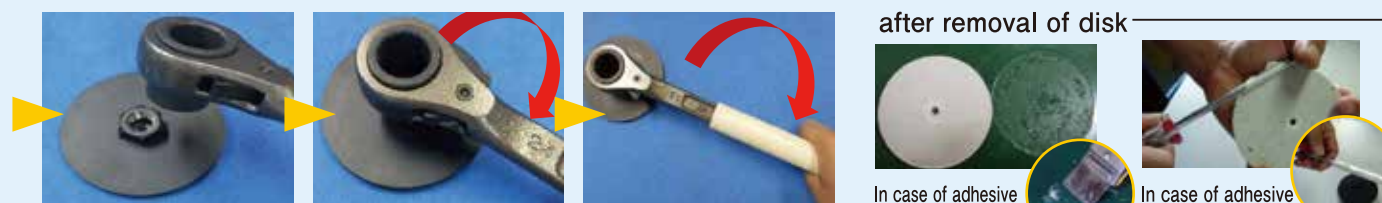
example of removment disk

common model used disk/disk removable work

Could fixing work by all sorts of your own tools



Remove every parts except disk loosen M16 and M8 bolts using closed wrench
 Bolting removed M16 hexagon headed bolt to nut on disk and keep space from floor



in case of using ratchet wrench cover ratchet wrench on part of nut disk while rotating ratchet wrench handle, remove disk from floor
 after removal of disk
 In case of adhesive remained on floor, scrape by commercially available scraper
 In case of adhesive remained on disk, scrape by curling around screwdriver

please visit our website for details

food plant, medical facility

keep clean, water proof, eroding preventing occurrence of contamination

in food plant ,medical facility, it is required to recover quickly after disaster in terms of BCP of supply chain



preventing occurrence of contamination
it is possible to fix fixture type during production run without dust or undesired sound
it is possible to use fixture subaqueous use even inundation environment after fixing
stainless steel made fixture is provided
easy for moving on upper floor because of no drilling,
no damaging building



clean room

fixing fixture in class 100 level clean room

it is beside question of exhaust gas from adhesive because of using RUBIRON (supposed brand name of japanesecompany) used every clean room construction generally in japan.



What is Class 100 level realization

FED-209E(british standard)/level existing less than 100 pieces of 0.5 micron particles in cubic foot

features

- ① never mind on exhaust gas
- ② fixing using reliable and having universal operating experience for constructing clean room in place of 3M vevder adhesive
- ③ easy fixing
- ④ easy work to fix fixture to designated position because of no instant type adhesive
- ⑤ attached tube adhesive

main product : MS-3053CR MW-001CR etc

preventing overturn

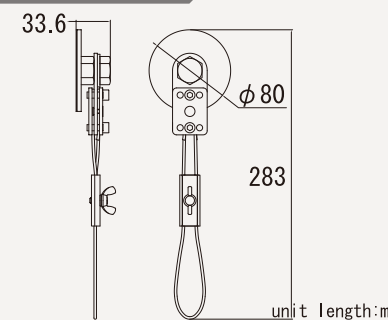
patent pending Business Continuity Plan



chemicals tank stopper fixture

product for preventing against overturn and movement facilities with caster such as chemicals tank caused by earthquake product is used by linking wire and caster by winding wire around caster of tank rust-preventing material stainless steel made

MRW-001



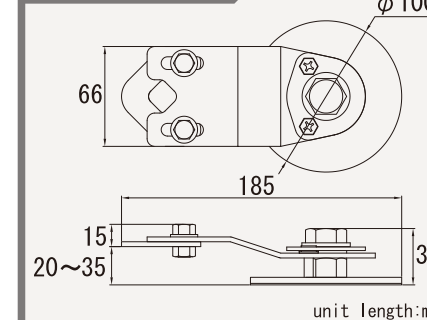
configuration : products×1, primerB×1
Material:stainless steel plate, wire metal acrylic adhesive materia
rough size : approx.284×80×35mm
weight : approx.489g
operating environment temperature : 0°C~40°C
earthquake resisting force : earthquake intensity class upper 6



dialysis machine stopper

fixture for preventing movement by earthquake no need for drilling work. It is possible to fixing and removal of facility without moving rust-preventing material stainless steel is used

MRO-001



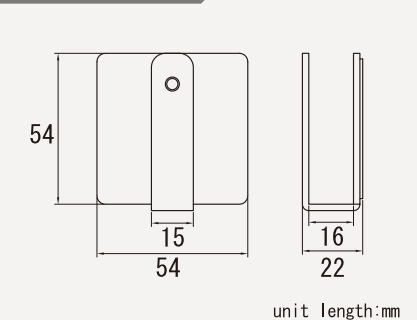
configuration : products×2, primerB×2
Material:stainless steel plate, stainless steel screw, acrylic adhesive material rough size : approx.100×185×37mm weight : approx.600g operating environment temperature : 0°C~40°C height adjustment range : approx.20 ~ 35mm (gap between floor surface and top of neckplate for each case)
earthquake resisting force : earthquake intensity class upper 6



fire extinguisher hook P

Fire extinguisher is usually placed along wall. It is easy to get Fire extinguisher out from placed position in earthquake and as need arises Because it is placed sling over hook on wall without hanging

LK-119BP



configuration : products×1, alcholpad×1
Material:plated steel plate, acrylic adhesive material rough size : approx.54×22×54mm weight :75 g object weight:(total weight less than 5g for10 type model)
operating environment temperature : 0°C~40°C
earthquake resisting force : earthquake intensity class upper 6

flow of order processing

estimated cost for budgeting

request for cost proposal to sales dealer

order



Step 1

Need to know budget frame and budgeting

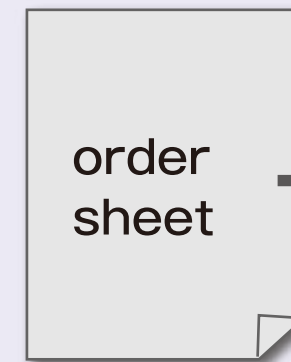
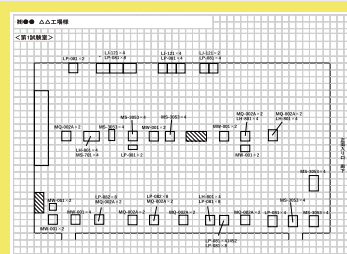
Calculate roughly necessary numbers of products fixture for objects referring to illustration on this catalog



Step 2

want to know cost for fixing in detail

Offer proposal for the most suitable products fixture by visiting and field measure for Evaluation. Please request and inform us estimation for fixing. It could not be free.



order only for delivery of merchandise

Merchandise + sign up contracted work (including refixing)

Option service

product introduction

introduction on products see and touch, exhibition in your field for your request

offer document and sample

field investigation

floor tensile force test

Exhibition car (for outdoor)



customers not visiting trade show in Tokyo could see and touch our products at your field at your parking lot, products sample carried by exhibition car typical products used in plant could be provided and help deepen product's understanding by customers.

Exhibition kit (for indoor)



report on earthquake simulation test, all sorts of merchandise manual

let try sample for evaluation ~sales sample

Trial let sample is ready for evaluation Please request us let sample to fit our products to your facility in plant without hesitation



- visit and investigate workable feasibility at actual spot floor in your plant
- test floor strength by us for your request