



ZERO POINT

Clamping System For WEDM

ZERO POINT CATALOGUE

ZERO POINT SERIES Total Solution Group TSG KOREA

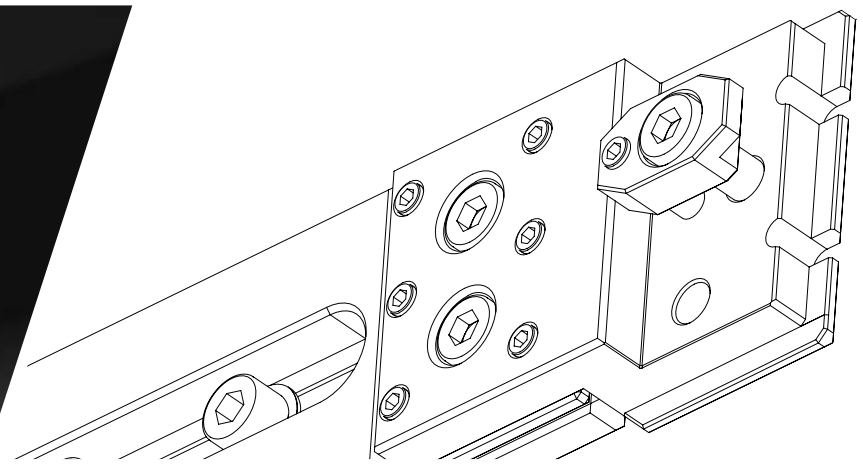
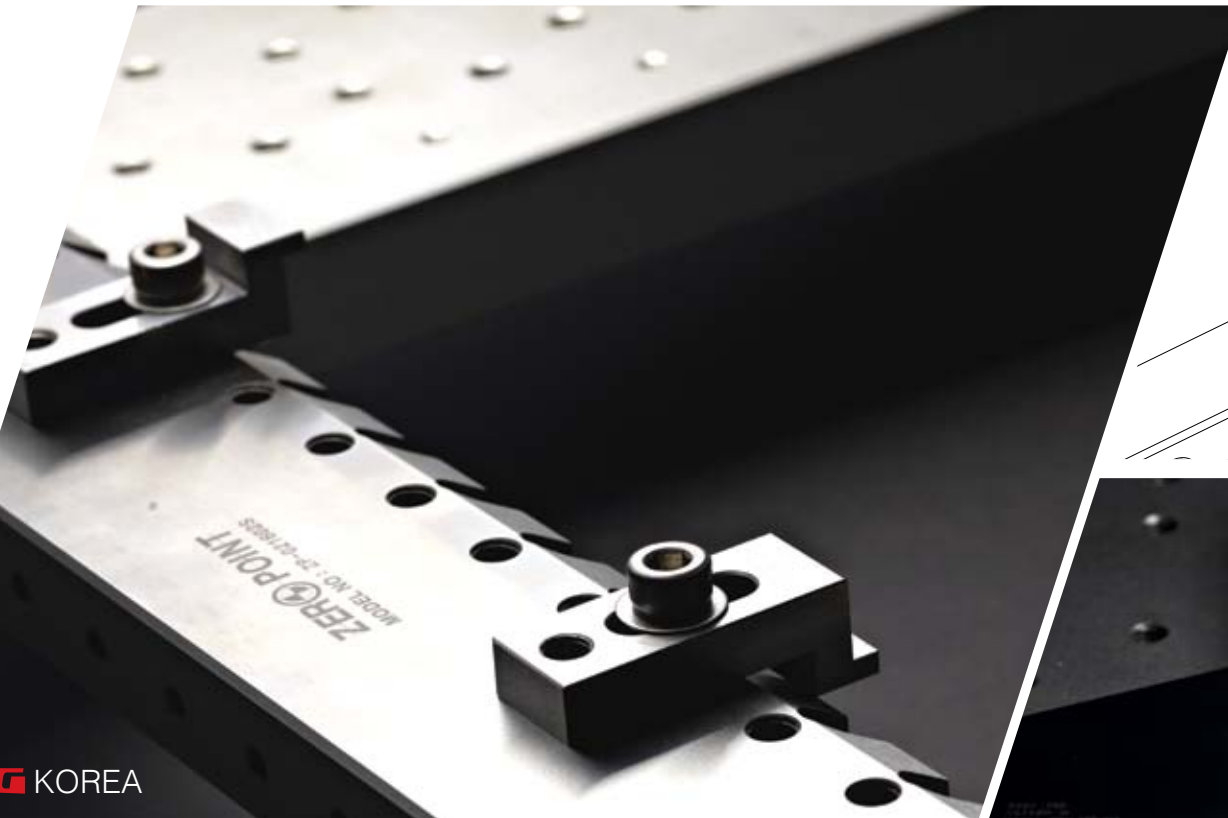
ZERO POINT는 WEDM공정에서의 생산성 향상을 위한 정밀 클램핑 시스템입니다. 최근 급속히 발전하는 WEDM의 장비성능은 장비가격의 상승으로 연결되어 제조공정에서의 생산효율의 최대화가 필연적으로 요구된다 할 수 있습니다. 이에 부응하기 위하여 ZERO POINT는 WEDM공정에서의 공작물의 크기 및 형태를 고려하여 최적으로 설계, Series로 제작되었고 앞으로 고객의 요구를 적극 반영하여 보다 효율적인 Tooling System이 되도록 최선을 다하겠습니다.

"Zero Point is a clamping system to improve the productivity in WEDM work process. subsequent machine price increase which make it necessary to maximize the manufacture process productivity. In order to meet such necessity, Zero Point is designed and manufactured in series with innovation considering the workpiece dimensions and shapes. We will continue to reflect the customers' feedback to become more and more efficient tooling system."



TSG KOREA

It's different.



ZERO POINT SERIES Total Solution Group TSG KOREA

Clamping Series A 06

소형 공작물 (3kg이하)

for small workpieces up to 3kg

Clamping Series B 14

중, 소형 공작물 (5kg이하)

for medium-small workpieces up to 5kg

Clamping Series C 24

중형 공작물 (10kg이하)

for medium workpieces up to 10kg

Direct Clamping Unit 50 / 90 34

중, 대형 공작물 (10kg이하)

for medium-large workpieces up to 10kg

Clamping Beam Series 36

중, 대형 공작물 (10kg이상)

for medium-large workpieces over 10kg



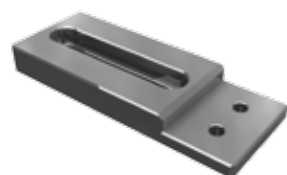
SERIES A

대상 공작물 : 소형 공작물 3kg이하 / Application : Small workpiece up to 3kg
 BASE A의 기준높이 : 7mm / Adaption height : 7mm
 Clamping Unit의 높이 : 15~22mm / Height of the clamping element : 15~22mm
 BASE A와 Clamping unit 의 조립 : 2개의 M6 Bolt / Mounting : 2 screw M6
 Bolt의 간격 : 22mm / Spacing : 22mm
 Bolt의 체결력 : 9Nm / Tighting Torque : 9Nm
 재질 : 스테인레스 특수강 / Material : Stainless steel





ZP-022010



ZP-022020

ZP-022051



ZP-022040



ZP-022052



ZP-022050



ZP-022045



ZP-022060



ZP-022061



ZP-022070



ZP-022081



ZP-022080



ZP-022101



ZP-022100





ZERO POINT SERIES A
Total Solution Group TSG KOREA



ZP-022040



ZP-022050



ZP-022060

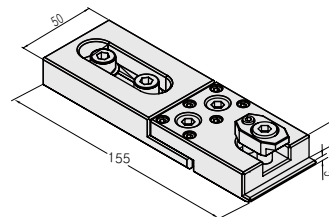


ZP-022070

Model No ZP-022040

| Set of CLAMP A - 50 / +5 - 110

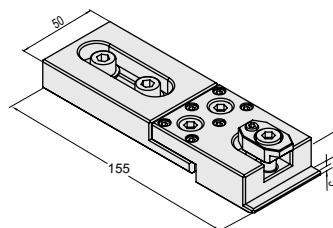
- 특징:** 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 / 공작물의 바닥면 Z = +5
- Features:** Clamps small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Bottom level of workpiece is +5mm.
- 활용범위 / Clamping range:** 소형 공작물 1kg이하 / small workpiece up to 1kg
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022051 CLAMP A - 50 / +5 1 pc



Model No ZP-022050

| Set of CLAMP A - 50 / 0 - 110

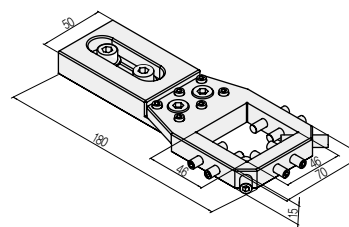
- 특징:** 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 / 공작물의 바닥면 Z = 0
- Features:** Clamps small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Bottom level of workpiece is 0.
- 활용범위 / Clamping range:** 소형 공작물 1kg이하 / small workpiece up to 1kg
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022052 CLAMP A - 50 / 0 1 pc



Model No ZP-022060

| Set of CLAMP A - 45 - 110

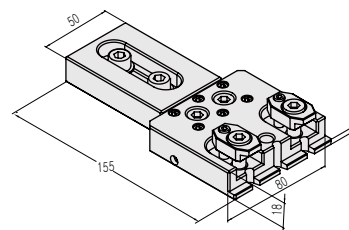
- 특징:** 소형 및 원형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능
- Features:** Clamps round or small cubic workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible.
- 활용범위 / Clamping range:** 소형 공작물 1kg이하 / small workpiece up to 1kg
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022045 CLAMP A - 45 1 pc



Model No ZP-022070

| Set of CLAMP A - 80 / +5 - 110

- 특징:** 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 / 공작물의 바닥면 Z = +5
- Features:** Clamps small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Bottom level of workpiece is +5mm.
- 활용범위 / Clamping range:** 소형 공작물 3kg이하 / small workpiece up to 3kg
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022061 CLAMP A - 80 / +4 1 pc





ZERO POINT SERIES A
Total Solution Group TSG KOREA



ZP-022080



ZP-022090



ZP-022100

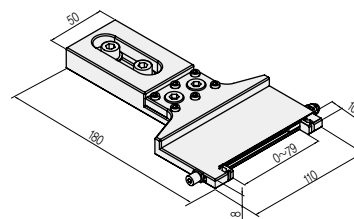


ZP-022110

Model No ZP-022080

| Set of VISE A - 80 / 8 - R - 110

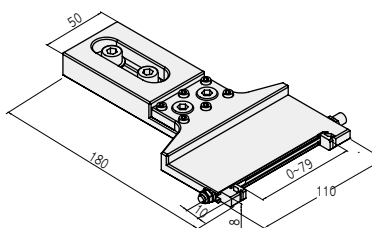
- 특징:** 소형 공작물의 측면을 CLAMPING 하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 가능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a small workpiece's flank. The junction between the vice and the workpiece is made in downstream profile, preventing the workpieces from getting out of position.
- 활용범위 / Clamping range:** 소형 공작물 1kg이하 / small workpiece up to 1kg(0~79mm)
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022081 VISE A - 80 / 8 - R 1 pc



Model No ZP-022090

| Set of VISE A - 80 / 8 - L - 110

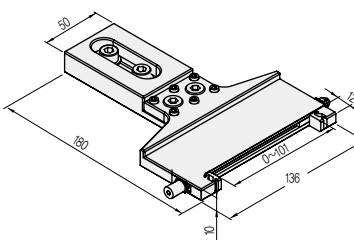
- 특징:** 소형 공작물의 측면을 CLAMPING 하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 가능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a small workpiece's flank. The junction between the vice and the workpiece is made in downstream profile, preventing the workpieces from getting out of position.
- 활용범위 / Clamping range:** 소형 공작물 1kg이하 / small workpiece up to 1kg(0~79mm)
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022091 VISE A - 80 / 8 - L 1 pc



Model No ZP-022100

| Set of VISE A - 100 / 10 - R - 110

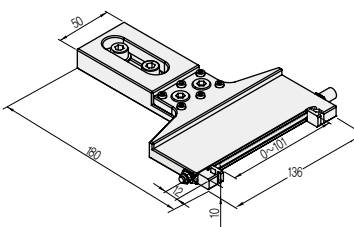
- 특징:** 소형 공작물의 측면을 CLAMPING 하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 가능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a small workpiece's flank. The junction between the vice and the workpiece is made in downstream profile, preventing the workpieces from getting out of position.
- 활용범위 / Clamping range:** 소형 공작물 2kg이하 / small workpiece up to 2kg(0~100mm)
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022101 VISE A - 100 / 10 - R 1 pc



Model No ZP-022110

| Set of VISE A - 100 / 10 - L - 110

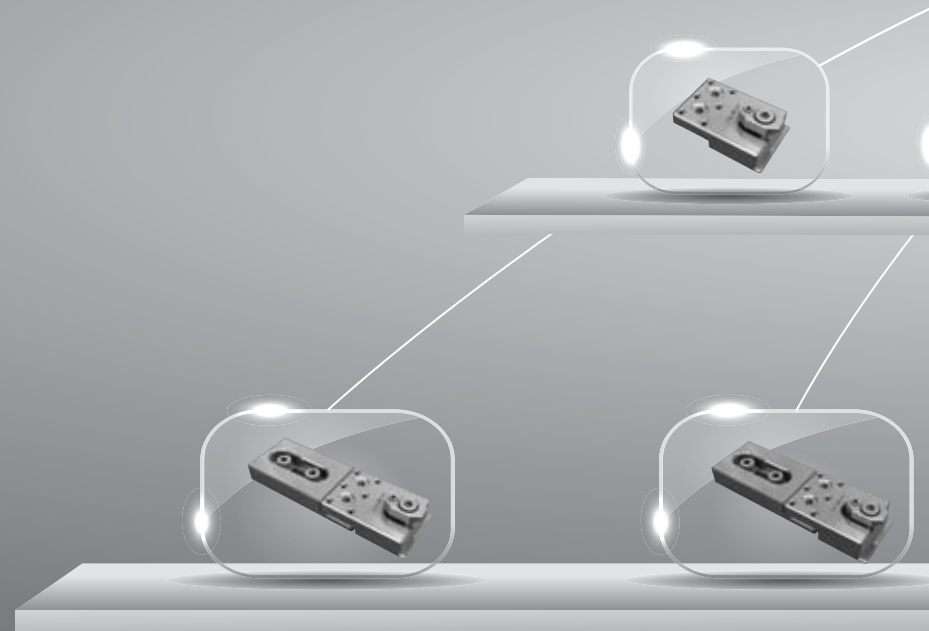
- 특징:** 소형 공작물의 측면을 CLAMPING 하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 가능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a small workpiece's flank. The junction between the vice and the workpiece is made in downstream profile, preventing the workpieces from getting out of position.
- 활용범위 / Clamping range:** 소형 공작물 2kg이하 / small workpiece up to 2kg(0~100mm)
- 구성품 / Consist of:** ZP-022010 BASE A - 110 / 7 1 pc
ZP-022102 VISE A - 100 / 10 - L 1 pc

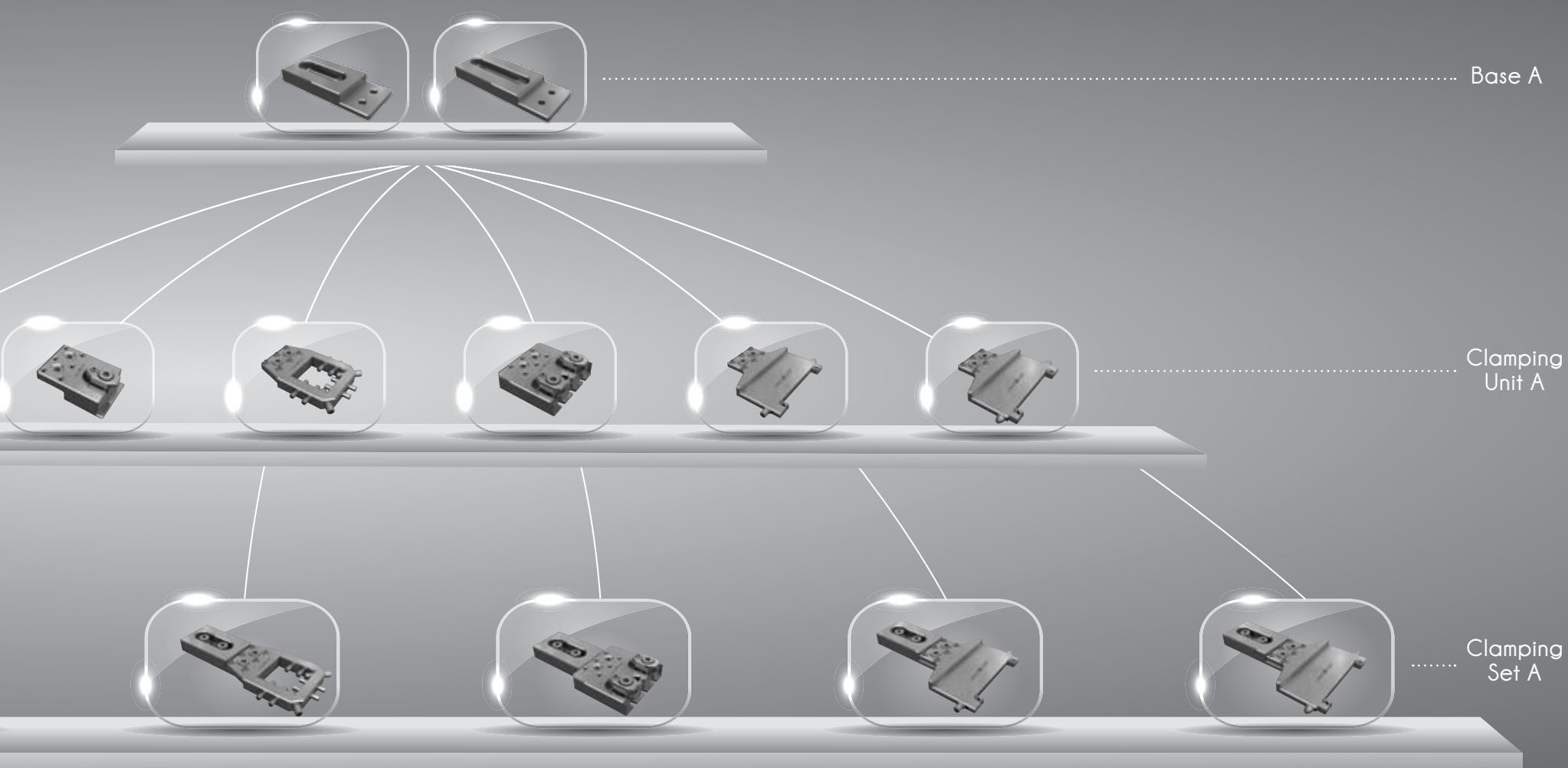


ZERO POINT SERIES A
Total Solution Group TSG KOREA

TSG KOREA

ZERO POINT Wire EDM Tooling "Series A"







SERIES B

대상 공작물 : 중, 소형 공작물 5kg이하 / Application : Medium-Small workpiece up to 5kg

BASE B의 기준높이 : 8.5mm / Adaption height : 8.5mm

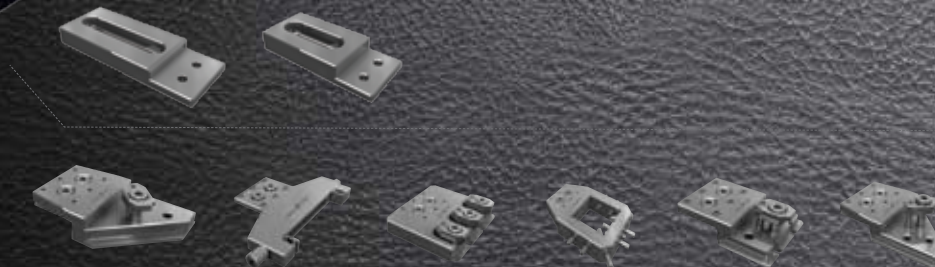
Clamping Unit의 높이 : 15~22mm / Height of the clamping element : 15-22mm

BASE B와 Clamping unit 의 조립 : 2개의 M8 Bolt / Mounting : 2 screw M8

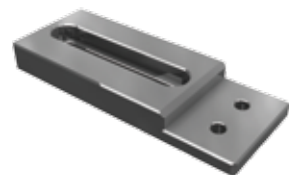
Bolt의 간격 : 24mm / Spacing : 24mm

Bolt의 체결력 : 20Nm / Tighting Torque : 20Nm

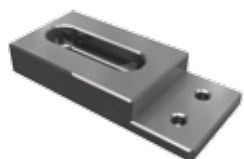
재질 : 스테인레스 특수강 / Material : Stainless steel



TSG KOREA



ZP-023010



ZP-023020

ZP-023051



ZP-023050



ZP-023062



ZP-023060



ZP-023071



ZP-023070



ZP-023091



ZP-023090



ZP-023101



ZP-023100



NEW



ZP-024030

ZP-033101



ZP-033100





ZERO POINT SERIES B
Total Solution Group TSG KOREA



ZP-023050



ZP-023060



ZP-023070

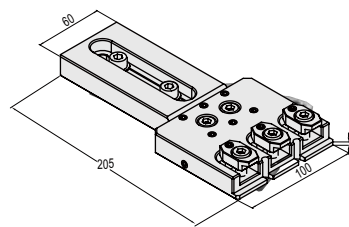


ZP-023080

Model No ZP-023050

| Set of CLAMP B - 100 / 8.5 - 155

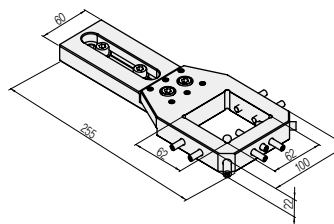
- 특징:** 중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 / 공작물의 바닥면 Z = +5
- Features:** Clamps medium-small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Bottom level of workpiece is +5mm
- 활용범위 / Clamping range:** 중, 소형 공작물 5kg이하 / medium-small workpiece up to 5kg
- 구성품 / Consist of:** ZP-023010 BASE B - 155 / 8.5 1 pc
ZP-023051 CLAMP B -100 / 8.5 1 pc



Model No ZP-023060

| Set of CLAMP B - 62 / 8.5 - 155

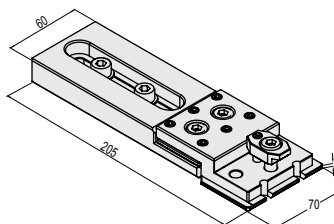
- 특징:** 중, 소형 및 원형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능. 특히 두께가 얇은 공작물에 적합.
- Features:** Clamps round or medium-small cubic workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible.
- 활용범위 / Clamping range:** 중, 소형 공작물 4kg이하 / medium-small workpiece up to 4kg
- 구성품 / Consist of:** ZP-023010 BASE B - 155 / 8.5 1 pc
ZP-023062 CLAMP B - 62 / 8.5 1 pc



Model No ZP-023070

| Set of Clamping Head B - 12.5 / 8.5 - 155

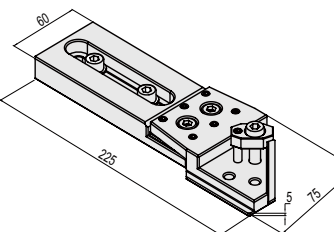
- 특징:** 중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 / 공작물의 바닥면 Z = 0 혹은 Z = +5
- Features:** Clamps medium-small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Bottom level of workpiece is zero or +5mm
- 활용범위 / Clamping range:** 중, 소형 공작물 4kg이하 / medium-small workpiece up to 4kg
- 구성품 / Consist of:** ZP-023010 BASE B - 155 / 8.5 1 pc
ZP-023071 Clamping Head B 1 pc
ZP-029302 Spacer for Clamp B - 12.5 / 8.5 1 pc



Model No ZP-023080

| Set of Clamping Head B-R - 12.5 / 8.5 - 155

- 특징:** 중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 / 공작물의 바닥면 Z = 0 혹은 Z = +5
- Features:** Clamps medium-small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Bottom level of workpiece is zero or +5mm
- 활용범위 / Clamping range:** 중, 소형 공작물 4kg이하 / medium-small workpiece up to 4kg
- 구성품 / Consist of:** ZP-023010 BASE B - 155 / 8.5 1 pc
ZP-023081 Clamping Head B-R 1 pc
ZP-029302 Spacer for Clamp B - 12.5 / 8.5 1 pc





ZERO POINT SERIES B
Total Solution Group TSG KOREA



ZP-023090



ZP-023100



ZP-023110

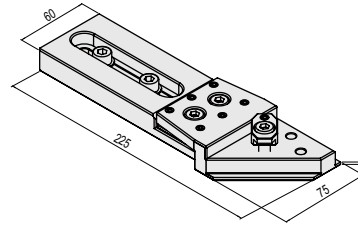


ZP-033100

Model No ZP-023090

| Set of Clamping Head B-L - 12.5 / 8.5 - 155

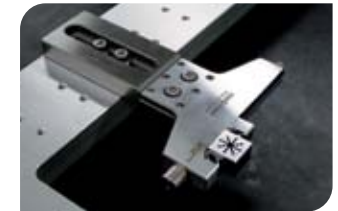
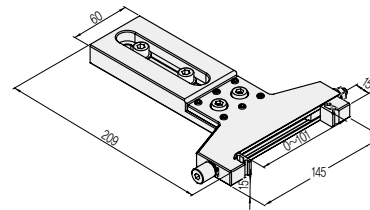
- 특징:** 중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 / 공작물의 바닥면 Z = 0 혹은 Z = +5
- Features:** Clamps medium-small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Bottom level of workpiece is zero or +5mm
- 활용범위 / Clamping range:** 중, 소형 공작물 4kg이하 / medium-small workpiece up to 4kg
- 구성품 / Consist of:**
- | | |
|---|------|
| ZP-023010 BASE B - 155 / 8.5 | 1 pc |
| ZP-023091 Clamping Head B-L | 1 pc |
| ZP-029302 Spacer for Clamp B - 12.5 / 8.5 | 1 pc |



Model No ZP-023100

| Set of VISE B - 100 / 15 - R - 155

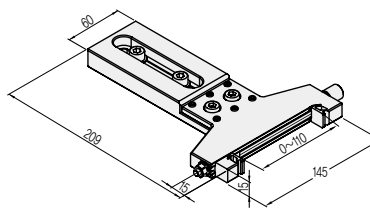
- 특징:** 중, 소형 공작물의 측면을 CLAMPING 하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 기능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a medium-small workpiece's flank. The junction between the vice and the workpiece is made in downstream profile, preventing the workpieces from getting out of position.
- 활용범위 / Clamping range:** 중, 소형 공작물 3kg이하 / medium-small workpiece up to 3kg(0~100mm)
- 구성품 / Consist of:**
- | | |
|---------------------------------|------|
| ZP-023010 BASE B - 155 / 8.5 | 1 pc |
| ZP-023101 VISE B - 100 / 15 - R | 1 pc |



Model No ZP-023110

| Set of VISE B - 100 / 15 - L - 155

- 특징:** 중, 소형 공작물의 측면을 CLAMPING 하여 ZX,ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 기능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a medium-small workpiece's flank. The junction between the vice and the workpiece is made in downstream profile, preventing the workpieces from getting out of position.
- 활용범위 / Clamping range:** 중, 소형 공작물 3kg이하 / medium-small workpiece up to 3kg(0~100mm)
- 구성품 / Consist of:**
- | | |
|---------------------------------|------|
| ZP-023010 BASE B - 155 / 8.5 | 1 pc |
| ZP-023102 VISE B - 100 / 15 - L | 1 pc |

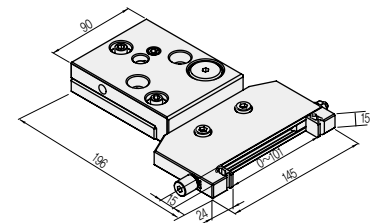


NEW

Model No ZP-033100

| Set of VISE B - 100 / 15 - R - 155

- 특징:** 중,소형 공작물의 측면을 클램핑하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 기능. 틸팅베이스의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a medium-small workpiece's flank. The junction between the vise and the workpiece is made in downstream profile, preventing the workpieces from getting out of position. Fine adjustment in C direction possible using adjust bolt.
- 활용범위 / Clamping range:** 중, 소형 공작물 3kg이하 / medium-small workpiece up to 3kg(0~100mm)
- 구성품 / Consist of:**
- | | |
|----------------------------|------|
| ZP-024030 TILTING BASE | 1 pc |
| ZP-033101 VISE BN-100/15-R | 1 pc |

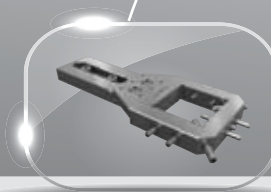
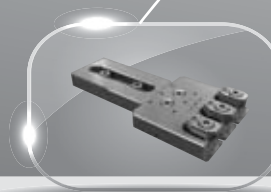
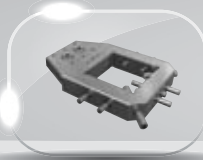
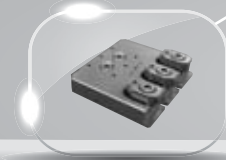


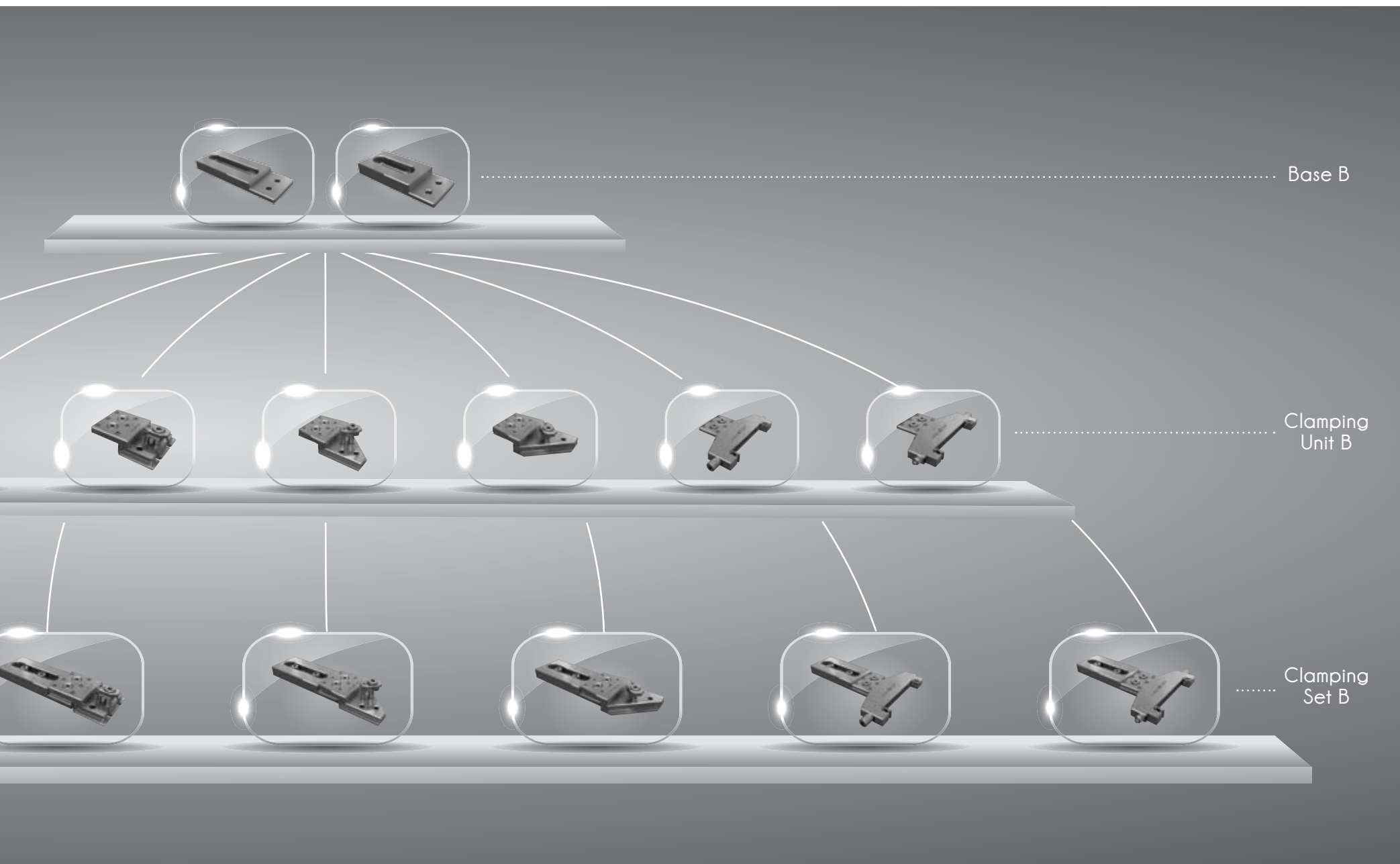
ZERO POINT SERIES B
Total Solution Group TSG KOREA

TSG KOREA

ZERO POINT Wire EDM Tooling "Series B"

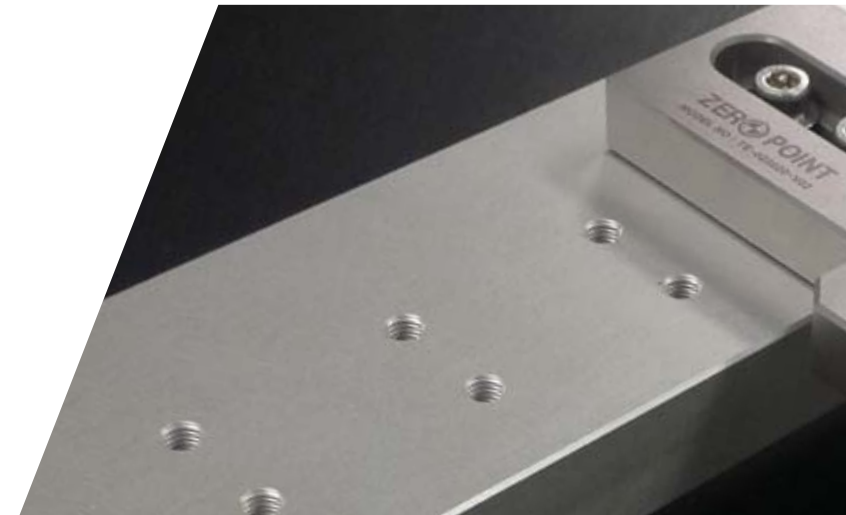
NEW

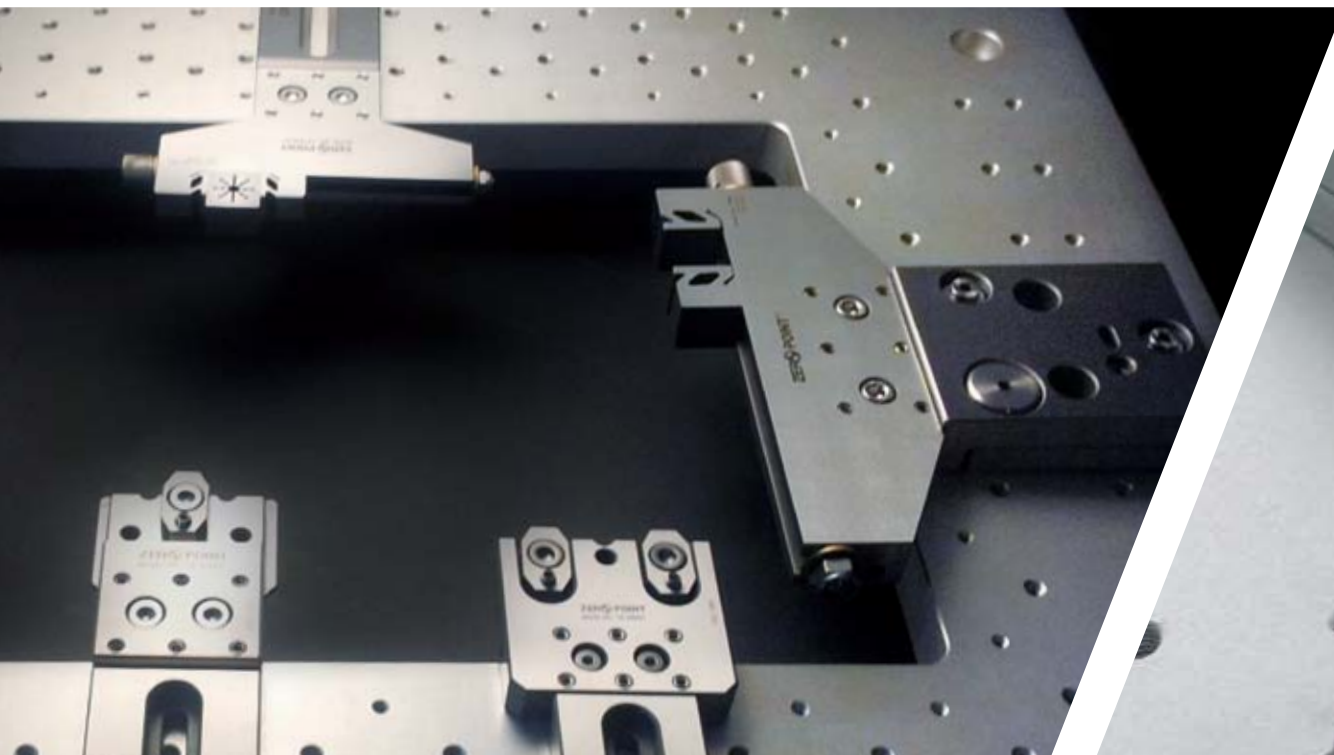




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SERIES C

대상 공작물 : 중형 공작물 10kg이하 / Application : Medium workpiece up to 10kg
 BASE C 의 기준높이 : 8.5mm 혹은 12.5mm / Adaption height : 8.5mm or 12.5mm
 Clamping Unit의 높이 : 25~30mm / Height of the clamping element : 25~30mm
 BASE C와 Clamping unit 의 조립 : 2개의 M8 Bolt / Mounting : 2 screw M8
 Bolt의 간격 : 48mm / Spacing : 48mm
 Bolt의 체결력 : 20Nm / Tighting Torque : 20Nm
 재질 : 스테인레스 특수강 / Material : Stainless steel

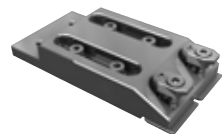




ZP-024020



ZP-024030



ZP-024180

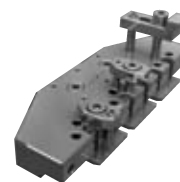
ZP-024121



ZP-024120



ZP-024201



ZP-024200



ZP-024151



ZP-034150



ZP-024151



ZP-024150



ZP-024151



ZP-024160



ZP-035151



ZP-035150





ZERO POINT SERIES C
Total Solution Group TSG KOREA



ZP-024120



ZP-024200



ZP-034150



ZP-035150

Model No ZP-024120

| Set of Clamping Head C- 12.5 / 8.5 - 155

특징:

중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 /
공작물의 바닥면 Z = 0 혹은 Z = +5

Features:

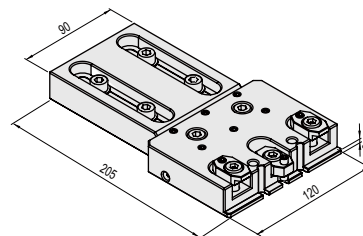
Clamps medium-small workpieces in up-down direction and makes fine
adjustment of ZX, ZY plane possible. Bottom level of workpiece is zero or +5mm

활용범위 / Clamping range:

중, 소형 공작물 10kg이하 / medium-small workpiece up to 10kg

구성품 / Consist of:

ZP-024020	BASE C - 155 / 8.5	1 pc
ZP-024121	Clamping Head C	1 pc
ZP-029303	Spacer for CLAMP C - 12.5 / 8.5	1 pc



Model No ZP-024200

| Set of CLAMP C - 12.5 / 25 - 155

특징:

중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능 /
공작물의 바닥면 Z = 0 혹은 Z = +5

Features:

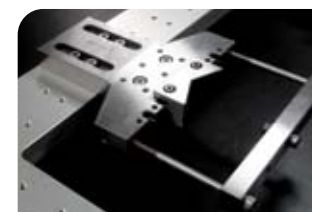
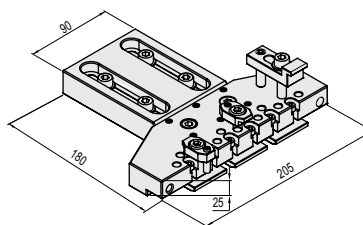
Clamps medium-small workpieces in up-down direction and makes fine
adjustment of ZX, ZY plane possible. Bottom level of workpiece is zero or +5mm

활용범위 / Clamping range:

중, 소형 공작물 10kg이하 / medium-small workpiece up to 10kg

구성품 / Consist of:

ZP-024010	BASE C - 155 / 12.5	1 pc
ZP-024201	CLAMP C - 200 / 25	1 pc
ZP-024206	V-Block 130 for Clamp 200/25	1 pc
ZP-024207	V-Block 90 for Clamp 200/25	2 pcs





ZERO POINT SERIES C
Total Solution Group TSG KOREA



ZP-024120



ZP-024200



ZP-032080



ZP-034150

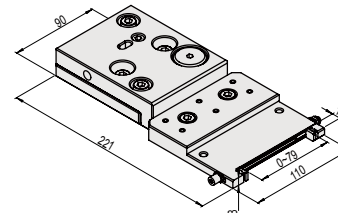


ZP-035150

Model No ZP-032080

| Set of VISE A - 80 / 15 - R -110

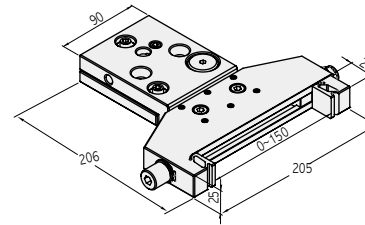
- 특징:** 소형 공작물의 측면을 CLAMPING 하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 기능. 틸팅베이스의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a small workpiece's flank. The junction between the vise and the workpiece is made in downstream profile, preventing the workpieces from getting out of position. Fine adjustment in C direction possible using adjust bolt.
- 활용범위 / Clamping range:** 소형 공작물 1kg이하 / small workpiece up to 1kg(0~79mm)
- 구성품 / Consist of:** ZP-024030 TILTING BASE 1 pc
ZP-032081 VISE A - 80 / 8 - R 1 pc



Model No ZP-034150

| Set of VISE C - 150 / 25- 155

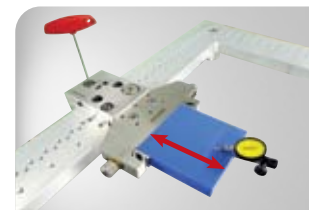
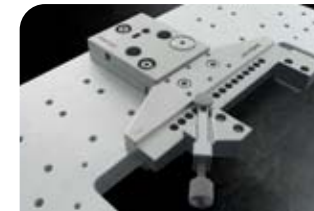
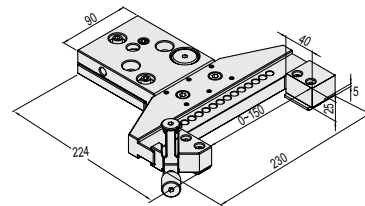
- 특징:** 중, 소형 공작물의 측면을 CLAMPING 하여 ZX, ZY평면의 미세조정이 가능. 바이스와 공작물의 접합 부분이 하향 Profile로 제작되어 공작물의 이탈을 방지하는 기능. 측면의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능.
- Features:** Fine adjustment in ZX, ZY plane possible after clamping a medium-small workpiece's flank. The junction between the vise and the workpiece is made in downstream profile, preventing the workpieces from getting out of position. Fine adjustment in C direction possible using adjust bolt.
- 활용범위 / Clamping range:** 중, 소형 공작물 4kg이하 / medium-small workpiece up to 10kg(0~150mm)
- 구성품 / Consist of:** ZP-024030 TILTING BASE 1 pc
ZP-024151 VISE C - 150 / 25 1 pc



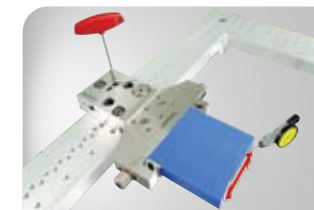
Model No ZP-035150

| Set of TOGGLE CLAMPING VISE 150

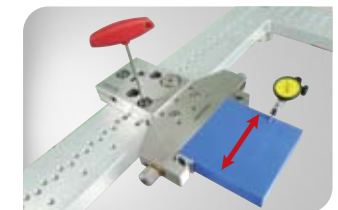
- 특징:** 중, 소형 공작물의 측면을 클램핑하여 ZX, ZY평면의 미세조정이 가능. 바이스는 Toggle Clamp 방식으로 작동되며 공작물의 크기에 따라 Toggle Joint를 이동하는 방식임. 틸팅베이스의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능.
- Features:** Fine adjustment in ZX,ZY plane possible after clamping medium-small workpiece's flank. Vise is operated by Toggle clamp, Toggle joint, depending on the size of the workpiece to move. Fine adjustment in C direction possible using adjust bolt on the tilting base.
- 활용범위 / Clamping range:** 중, 소형 공작물 10kg이하 / medium-small workpiece up to 10kg(0~150mm)
- 구성품 / Consist of:** ZP-024030 TILTING BASE 1 pc
ZP-035151 TOGGLE CLAMPING VISE 150 1 PC



ZY축



C축



ZX축



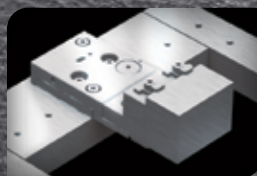
ZERO POINT TILTING BASE SERIES
Total Solution Group TSG KOREA



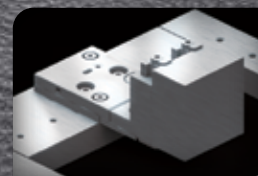
ZP-033050



ZP-033060



ZP-036060

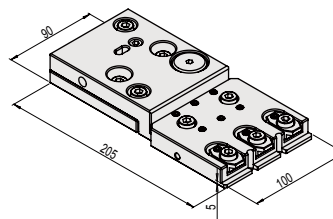


ZP-036120

Model No ZP-033050

| Set of CLAMP B - 100 / 8.5 - 155

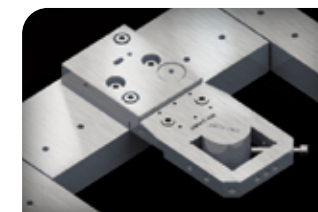
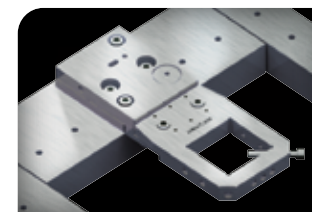
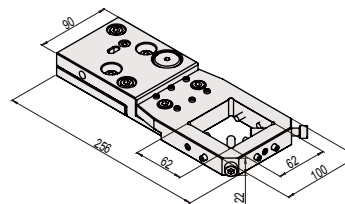
- 특징:** 중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능. 틸팅베이스의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능 / 공작물의 바닥면 Z = +5
- Features:** Clamps medium-small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Fine adjustment in C direction possible using adjust bolt. Bottom level of workpiece is +5mm
- 활용범위 / Clamping range:** 중, 소형 공작물 5kg이하 / medium-small workpiece up to 5kg
- 구성품 / Consist of:** ZP-024030 TILTING BASE 1 pc
ZP-033051 CLAMP B -100 / 8.5 1 pc



Model No ZP-033060

| Set of CLAMP B - 62 / 8.5 - 155

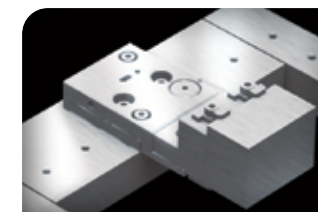
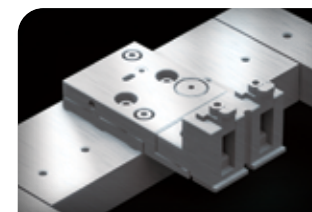
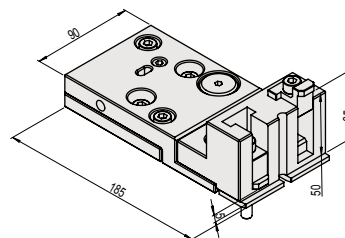
- 특징:** 중, 소형 및 원형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능. 틸팅베이스의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능. 특히 두께가 얇은 공작물에 적합.
- Features:** Clamps round or medium-small cubic workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Fine adjustment in C direction possible using adjust bolt.
- 활용범위 / Clamping range:** 중, 소형 공작물 4kg이하 / medium-small workpiece up to 4kg
- 구성품 / Consist of:** ZP-024030 TILTING BASE 1 pc
ZP-033061 CLAMP B - 62 / 8.5 1 pc



Model No ZP-036060

| Set of Clamping Head C - 8.5 - 155

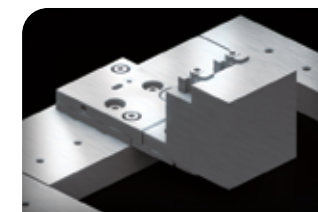
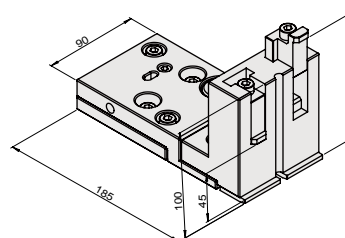
- 특징:** 중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능. 틸팅베이스의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능 / 공작물의 바닥면 Z = 0 혹은 Z = +5
- Features:** Clamps medium-small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Fine adjustment in C direction possible using adjust bolt. Bottom level of workpiece is zero or +5mm
- 활용범위 / Clamping range:** 중, 소형 공작물 10kg이하 / medium-small workpiece up to 10kg
- 구성품 / Consist of:** ZP-024030 TILTING BASE 1 pc
ZP-036061 Clamping Head C 1 pc
ZP-036062 Spacer for CLAMP C - 5 / 65 1 pc



Model No ZP-036120

| Set of Clamping Head C - 8.5 - 155

- 특징:** 중, 소형 공작물을 상하방향으로 Clamping하며 ZX, ZY평면의 미세조정 가능. 틸팅베이스의 Adjust Bolt를 이용하여 C방향의 미세조정이 가능 / 공작물의 바닥면 Z = 0 혹은 Z = +5
- Features:** Clamps medium-small workpieces in up-down direction and makes fine adjustment of ZX, ZY plane possible. Fine adjustment in C direction possible using adjust bolt. Bottom level of workpiece is zero or +5mm
- 활용범위 / Clamping range:** 중, 소형 공작물 10kg이하 / medium-small workpiece up to 10kg
- 구성품 / Consist of:** ZP-024030 TILTING BASE 1 pc
ZP-036121 Clamping Head C 1 pc
ZP-036122 Spacer for CLAMP C - 45 / 120 1 pc

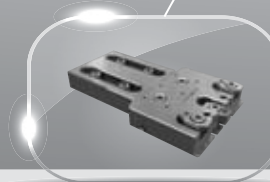
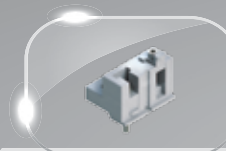
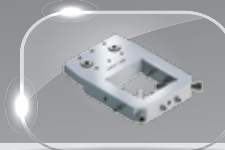


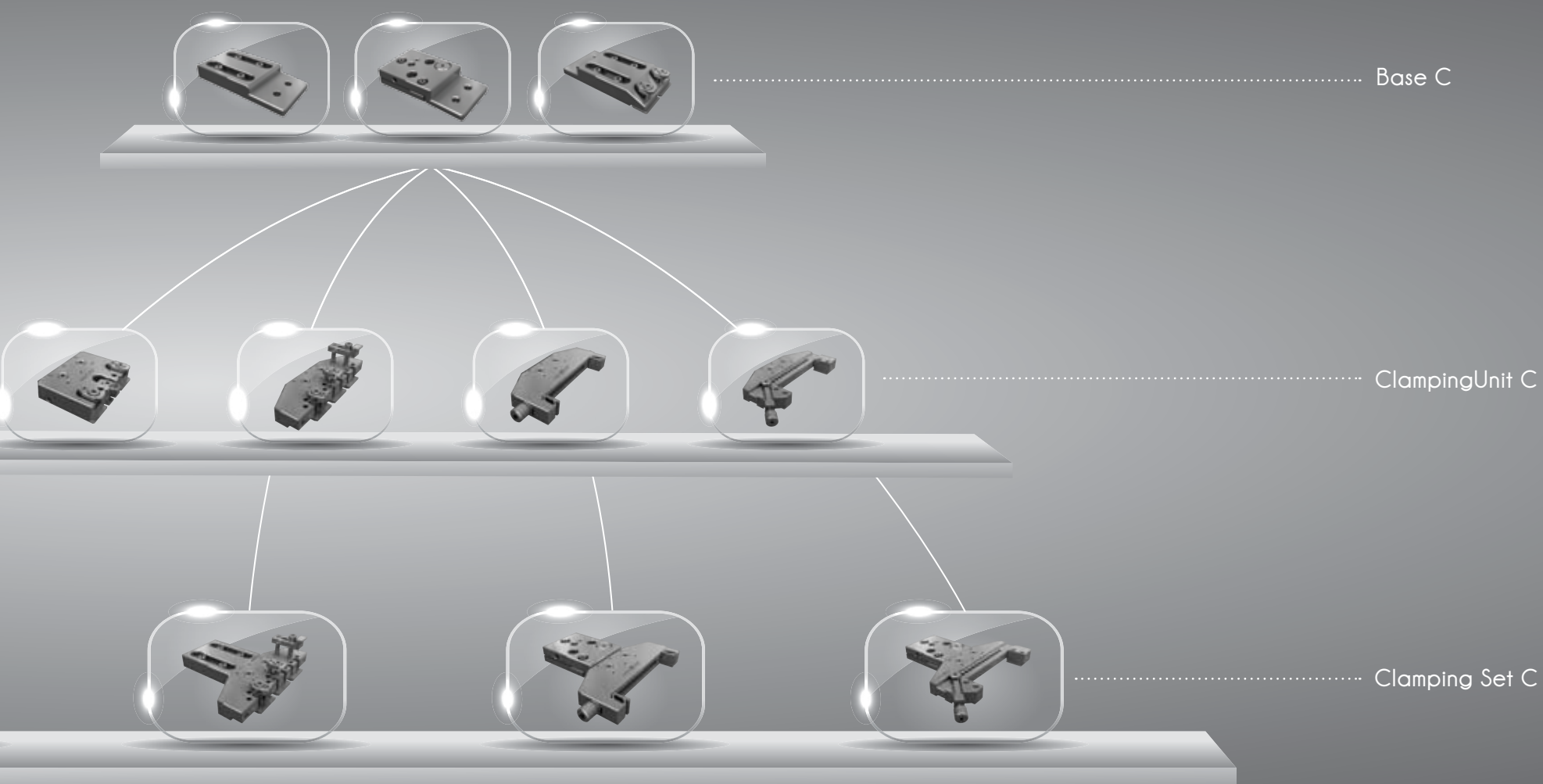
ZERO POINT SERIES C
Total Solution Group TSG KOREA

TSG KOREA

ZERO POINT Wire EDM Tooling "Series C"

NEW







ZERO POINT SERIES Direct Clamping Unit
Total Solution Group TSG KOREA



ZP-022175



ZP-022176



ZP-022177



ZP-024180

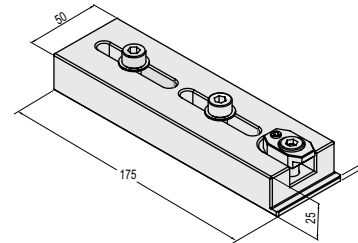


ZP-024300

Model No ZP-022175

| CLAMP 50 - 175 / +5

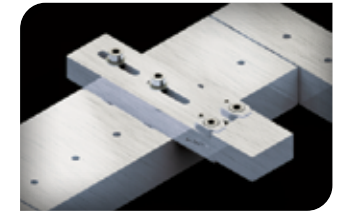
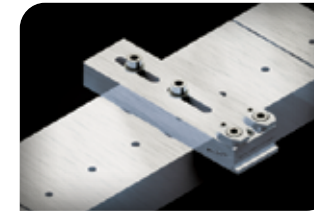
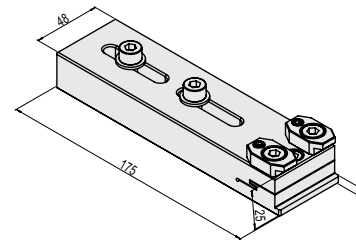
- 특징:** 공작물을 상하방향으로 Clamping하며 1~4개를 활용하여 소형에서 중형공작물에 적용 / 공작물의 바닥면 Z = +5
- Features:** Clamps workpieces in up-down direction. Use one, two, or four unit of clamping unit can clamp from small to medium workpiece. Bottom level of workpiece is +5mm
- 활용범위 / Clamping range:** 1개 사용의 경우 / If use one unit : 소형 공작물 3kg이하 / small workpiece up to 3kg
2개 사용의 경우 / If use two units : 소형 공작물 5kg이하 / small workpiece up to 5kg
4개 사용의 경우 / If use four units : 중형 공작물 20kg이하 / medium workpiece up to 20
- 재질 / Material:** 스테인레스 특수강 / Stainless steel



Model No ZP-022177

| CLAMP 50 - 175 / +5

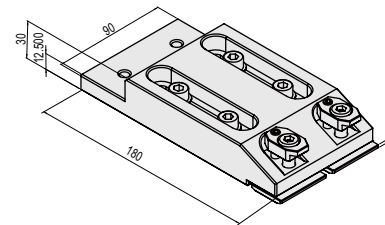
- 특징:** 공작물을 상하방향으로 Clamping하며 1~4개를 활용하여 소형에서 중형공작물에 적용 / Z축의 높이 조절가능 / 공작물의 바닥면 Z = +5
- Features:** Clamps workpieces in up-down direction. Use one, two, or four unit of clamping unit, can clamp from small to medium workpiece. Abilable the height of Z axis. Bottom level of workpiece is 5
- 활용범위 / Clamping range:** 1개 사용의 경우 / If use one unit : 소형 공작물 3kg이하 / small workpiece up to 3kg
2개 사용의 경우 / If use two units : 소형 공작물 5kg이하 / small workpiece up to 5kg
4개 사용의 경우 / If use four units : 중형 공작물 20kg이하 / medium workpiece up to 20kg
- 재질 / Material:** 스테인레스 특수강 / Stainless steel



Model No ZP-024180

| CLAMP 90 - 180

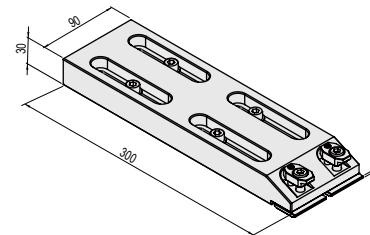
- 특징:** 공작물을 상하방향으로 Clamping하며 1~4개를 활용하여 소형에서 대형공작물에 적용 / 공작물의 바닥면 Z = 0 혹은 Z = +5
- Features:** Clamps workpieces in up-down direction. Use one, two, or four unit of clamping unit, can clamp from small to medium workpiece. Bottom level of workpiece is zero or +5mm
- 활용범위 / Clamping range:** 1개 사용의 경우 / If use one unit : 소형 공작물 5kg이하 / small workpiece up to 5kg
2개 사용의 경우 / If use two units : 중형 공작물 10kg이하 / medium workpiece up to 10kg
4개 사용의 경우 / If use four units : 대형 공작물 10kg이상 / large workpiece over 10kg
- 재질 / Material:** 스테인레스 특수강 / Stainless steel



Model No ZP-024300

| CLAMP 90 - 300

- 특징:** 공작물을 상하방향으로 Clamping하며 1~4개를 활용하여 소형에서 대형공작물에 적용 / 공작물의 바닥면 Z = 0 혹은 Z = +5
- Features:** Clamps workpieces in up-down direction. Use one, two, or four unit of clamping unit, can clamp from small to medium workpiece. Bottom level of workpiece is zero or +5mm
- 활용범위 / Clamping range:** 1개 사용의 경우 / If use one unit : 소형 공작물 5kg이하 / small workpiece up to 5kg
2개 사용의 경우 / If use two units : 중형 공작물 10kg이하 / medium workpiece up to 10kg
4개 사용의 경우 / If use four units : 대형 공작물 10kg이상 / large workpiece over 10kg
- 재질 / Material:** 스테인레스 특수강 / Stainless steel



Clamping Beam Series

대상 공작물 : 중, 대형 공작물 10kg이상

Application : Medium-large workpiece over 10kg

공작물 바닥높이 : 0 or +5mm

Bottom of workpiece : zero or +5mm

Clamping Unit의 높이 : 25~35mm

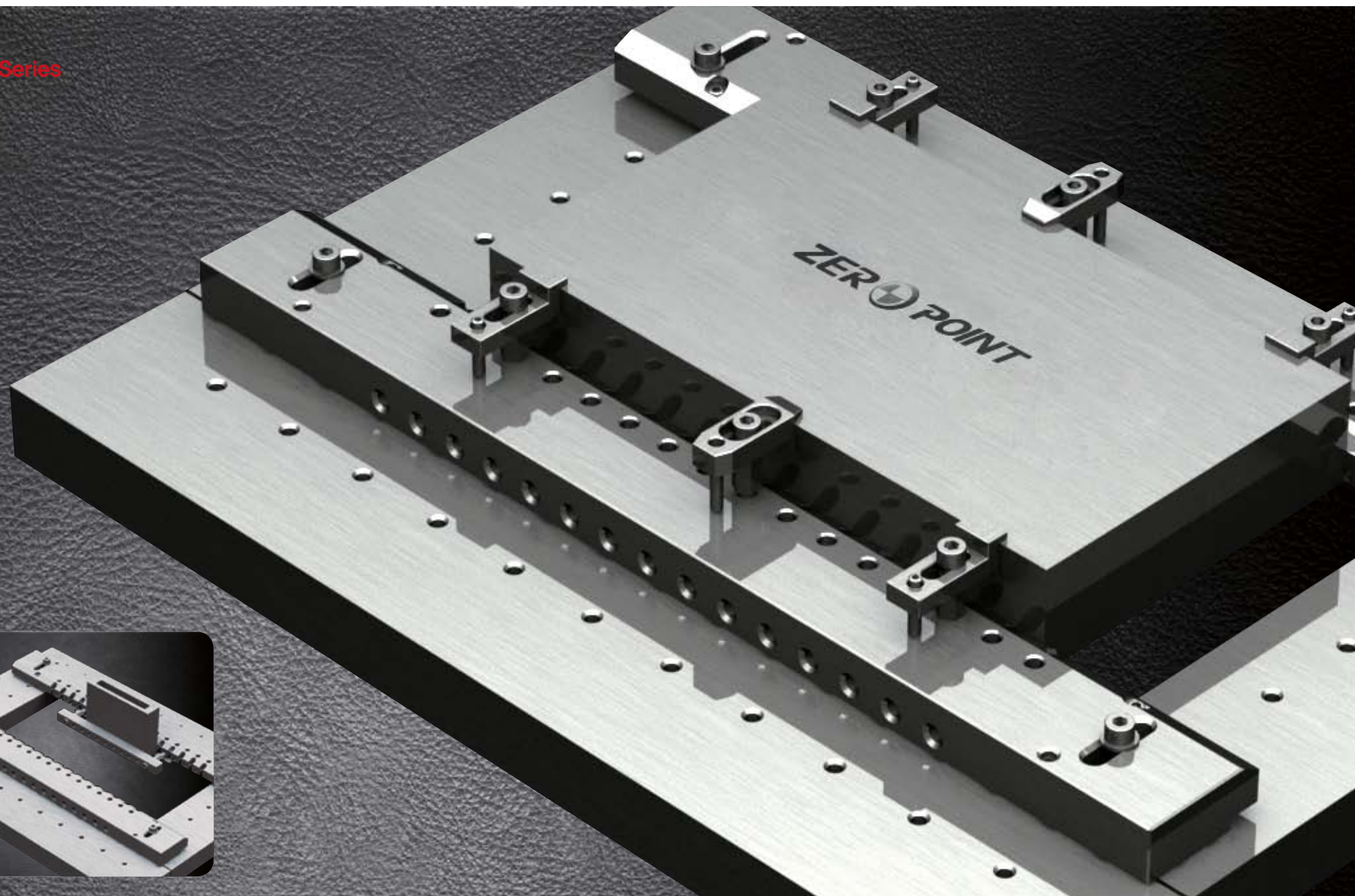
Height of the clamping element : 25~35mm

재질 : 스테인레스 특수강

Material : Stainless steel



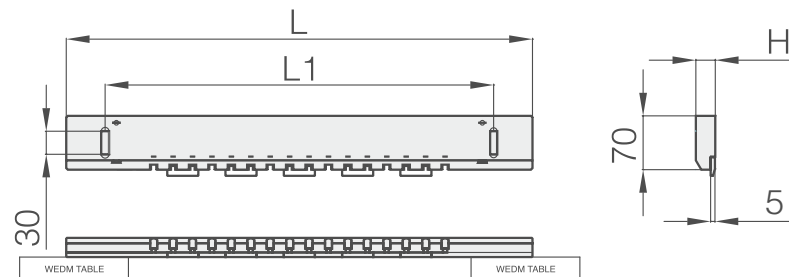
BEAM Series



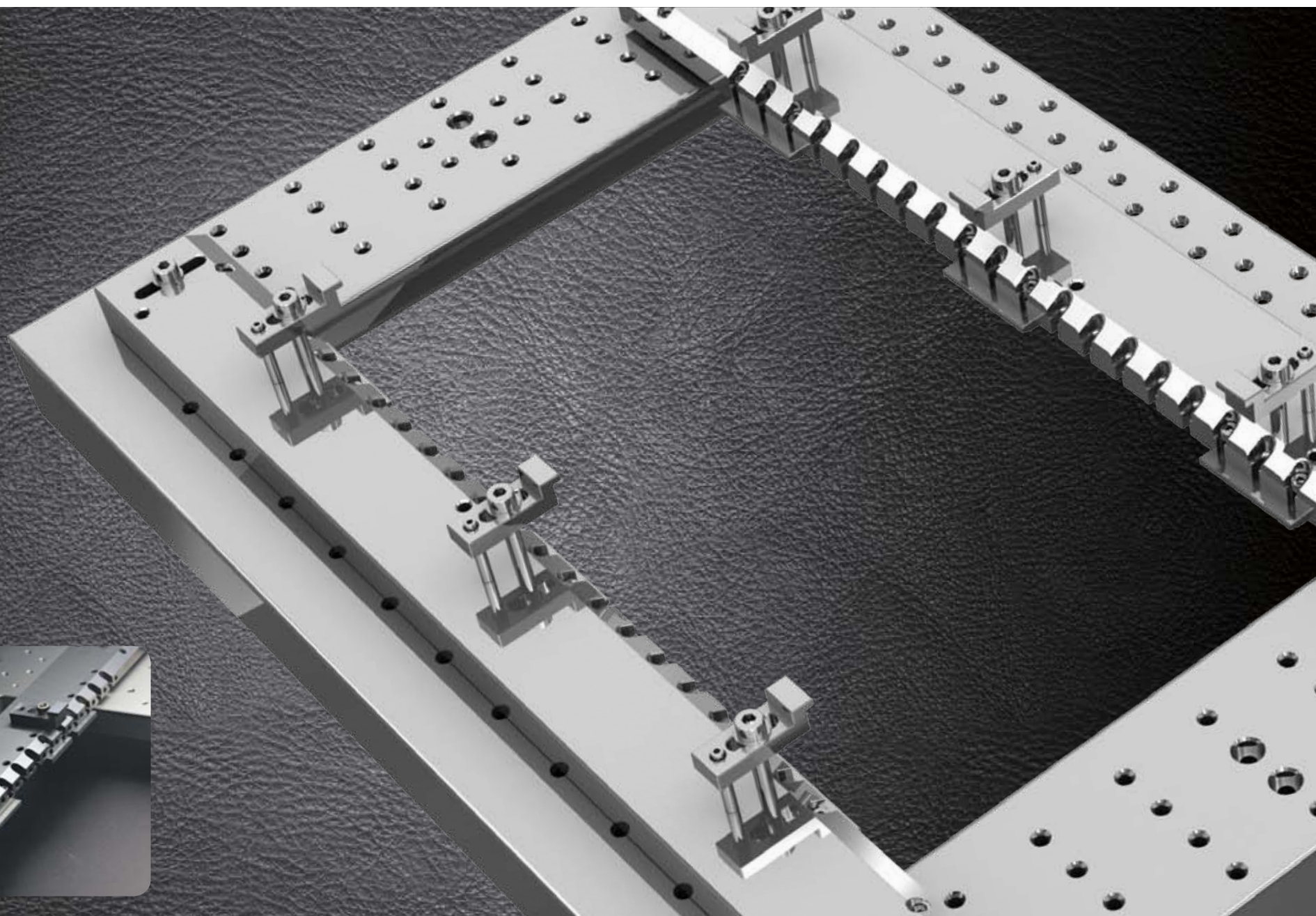
BEAM의 DIMENSIONAL

사양 / Specification

Art No	Dimension				Application (WEDM Machines)					
	L	L1	W	H	AGIE	CHARMILLs	MAKINO	MITSUBISHI	SEIBU	SODICK
ZP-021318	370	318	70	30		CUT2000-Y				
ZP-021320.5	370	320.5	70	30		2050TW-Y				
ZP-021380	430	380	70	30				NA1200-Y		
ZP-021395	450	395	70	30						SL400-Y
ZP-021400	450	400	70	30			DUO43-Y	NA1200-Y		
ZP-021420	470	420	70	30		240-X				
			70	30		440-Y				
			70	30		2050TW-X				
ZP-021422	470	422	70	30					M350S-X	
ZP-021426	480	426	70	30					M35A-X	
			70	30					M350-X	
ZP-021469	520	469	70	30	VERTEX 2F-X	CUT2000-X				
			70	30	VERTEX 3F-Y	CUT3000-Y				
ZP-021470	520	470	70	30			U(W)53J-Y			
ZP-021475	520	475	70	30						AG600-Y
ZP-021480	530	480	70	30		CUT3000-X		NA1200-X		
			70	30				NA2400-Y		
ZP-021495	550	495	70	30						SL600-Y
ZP-021500	550	500	70	30			DUO64-Y			AG400-X
ZP-021550	600	550	70	30			U6-Y			
							DUO43-X			



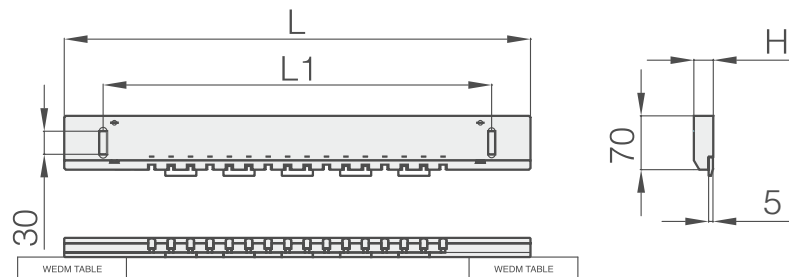
BEAM Series



BEAM의 DIMENSIONAL

사양 / Specification

Art No	Dimension				Application (WEDM Machines)						
	L	L1	W	H	AGIE	CHARMILLs	MAKINO	MITSUBISHI	SEIBU	SODICK	
ZP-021600	650	600	70	30					M50A-X		
									M500-X		
ZP-021619	670	619	70	30	VERTEX 3F-X						
ZP-021636	690	636	70	30						SL400-X	
ZP-021650	720	650	70	30			U(W)53J-X				
ZP-021670	720	670	70	30		440-X				AQ537-X	
ZP-021670-35				35							
ZP-021680	730	680	70	30				NA2400-X			
ZP-021680-35				35							
ZP-021700	750	700	70	30						AG600-X	
ZP-021700-35						35					
										AG600-X	
										SL600-X	
ZP-021730	780	730	70	30		CUT30P-X					
ZP-021730-35				35							
ZP-021750-35	800	750	70	35			U6-X				
								DUO64-X			
ZP-021750-40				40				U6-X			
							DUO64-X				
ZP-021830-35	880	830	70	35					M75A-X		
ZP-021830-40				40							
ZP-XXXXXX	L	L1	W	H						on request	



BEAM Series V-Block



Progress With Zero Point



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고객의 성공을 위해 늘 함께 합니다.

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overcoming challenges using creative energy and By exploring fresh
develop new technology and combining these with our clients' needs
we can secure successful outcomes for our clients.

THE LEADING COMPANY FOR CLAMPING SYSTEM



TSG KOREA Corp.

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