

PASS STANDARD I STATION A

DIAMETER UP TO 12,7 MM



HEAD UNIT

Hexagon head screw for simply assembling of punch assembly

Spring for sheet thickness up to 6 mm

2 mm length adjustment by turning of the distance ring



PUNCH BODY

Metric-thread M12 x 1,25

Punch body made with premium H-PM®

Alignment pin with double D for exact adjustment



PUNCH GUIDE

Surface-hardened and polished punch guide for sheet thickness up to 6 mm

Keyway:

Round: 0°

Square: 0-45°

Rect./Oblong: 0-90-225°

Asym. shapes: 0-90-180-270°

Tool shapes integrated in guide

PASS STANDARD I STATION A

DIAMETER UP TO 12,7 MM

PART NO.

COMPLETE PUNCH ASSEMBLY

Round	4012A01
Square	4012A02
Rectangle	4012A03
Oblong	4012A04
O.D. Ground Special Shape	4012A0G
EDM Required Special Shape	4012A0E

HEAD UNIT (HEAD SCREW, SPRING, DISTANCE RING)

For all shapes	4092A01
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PUNCH BODY (H-PM®)

Round	4022A01
Square	4022A02
Rectangle	4022A03
Oblong	4022A04
O.D. Ground Special Shape	4022A0G
EDM Required Special Shape	4022A0E

PUNCH GUIDE

Round	4032A01
Square	4032A02
Rectangle	4032A03
Oblong	4032A04
O.D. Ground Special Shape	4032A0G
EDM Required Special Shape	4032A0E

DIE (HWS)

Round	4052A01
Square	4052A02
Rectangle	4052A03
Oblong	4052A04
O.D. Ground Special Shape	4052A0G
EDM Required Special Shape	4052A0E



SPARE PARTS

Head screw	4092A31
Spring	4092A11
Distance ring	4092A21
O-Ring (in punch guide)	4092A51
PU ejector Ø 3x6 (in punch)	4092P03
PU ejector Ø 6x10 (in punch)	4092P06

ADDITIONAL COSTS FOR PUNCH

TICN coating
T-MAX coating
A-MAX coating
WT-shear
DOWT-shear
2 PT-shear
4 PT-shear
Cutting part under 1,00 mm

COMPENSATING SHIM FOR PUNCH

Piece (2 mm)	499A4S2
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ADDITIONAL COSTS FOR PUNCH GUIDE

Additional keyway

SET OF COMPENSATING SHIMS FOR DIE

1x0,4 mm/1x0,8 mm/1x1,2 mm	499A1M1
Shimkeeper (0,5 mm)	499A1M95

ADDITIONAL COSTS FOR DIES

Reinforced die
H-PM® Quality
Additional pin hole

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DIAMETER UP TO 12,7 MM



HEAD UNIT

Canister for sheet thickness up to 4 mm

Continuously and easy length adjustment
in assembled status



PUNCH BODY

Metric-thread M12 x 1,25

Punch body made with premium H-PM®

Alignment pin with double D for exact adjustment



PUNCH GUIDE

Surface-hardened and polished punch
guide for sheet thickness up to 4 mm

Keyway:
All shapes: 0-90-225°

STRIPPER

Interchangeable stripper plate

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DIAMETER UP TO 12,7 MM

PART-NO.

COMPLETE PUNCH ASSEMBLY

Round	4013A01
Square	4013A02
Rectangle	4013A03
Oblong	4013A04
O.D. Ground Special Shape	4013A0G
EDM Required Special Shape	4013A0E

HEAD UNIT

For all shapes	4093A01
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PUNCH BODY (H-PM®)

Round	4023A01
Square	4023A02
Rectangle	4023A03
Oblong	4023A04
O.D. Ground Special Shape	4023A0G
EDM Required Special Shape	4023A0E

PUNCH GUIDE

For all shapes	4033A05
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STRIPPER

Round	4043A01
Square	4043A02
Rectangle	4043A03
Oblong	4043A04
O.D. Ground Special Shape	4043A0G
EDM Required Special Shape	4043A0E

DIE (HWS)

Round	4052A01
Square	4052A02
Rectangle	4052A03
Oblong	4052A04
O.D. Ground Special Shape	4052A0G
EDM Required Special Shape	4052A0E

SPARE PARTS

O-Ring (in punch guide)	4092A51
PU ejector Ø 3x6 (in punch)	4092P03
PU ejector Ø 6x10 (in punch)	4092P06

ADDITIONAL COSTS FOR PUNCH

TICN coating
T-MAX coating
A-MAX coating
WT-shear
DOWT-shear
2 PT-shear
4 PT-shear
Cutting part under 1,00 mm

COMPENSATING SHIM FOR PUNCH

Not necessary

ADDITIONAL COSTS FOR PUNCH GUIDE

Additional keyway

SET OF COMPENSATING SHIMS FOR DIE

1x0,4 mm/1x0,8 mm/1x1,2 mm	499A1M1
Shimkeeper (0,5 mm)	499A1M95

ADDITIONAL COSTS FOR DIES

Reinforced die
H-PM® Quality
Additional pin hole



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DIAMETER UP TO 12,7 MM



HEAD UNIT

Canister for sheet thickness up to 4 mm

Continuously and easy length adjustment
in assembled status



PUNCH BODY

Metric-thread M12 x 1,25

Punch body made with premium H-PM[®]

Alignment pin with double D for exact adjustment



PUNCH GUIDE

Surface-hardened and polished punch
guide for sheet thickness up to 4 mm

Keyway:

Round: 0°

Square: 0-45°

Rect./Oblong: 0-90-225°

Asym. shapes: 0-90-180-270°

Tool shapes integrated in guide

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DIAMETER UP TO 12,7 MM

PART NO.

COMPLETE PUNCH ASSEMBLY

Round	4017A01
Square	4017A02
Rectangle	4017A03
Oblong	4017A04
O.D. Ground Special Shape	4017A0G
EDM Required Special Shape	4017A0E

HEAD UNIT

For all shapes	4093A01
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PUNCH BODY (H-PM®)

Round	4023A01
Square	4023A02
Rectangle	4023A03
Oblong	4023A04
O.D. Ground Special Shape	4023A0G
EDM Required Special Shape	4023A0E

PUNCH GUIDE

Round	4032A01
Square	4032A02
Rectangle	4032A03
Oblong	4032A04
O.D. Ground Special Shape	4032A0G
EDM Required Special Shape	4032A0E

DIE (HWS)

Round	4052A01
Square	4052A02
Rectangle	4052A03
Oblong	4052A04
O.D. Ground Special Shape	4052A0G
EDM Required Special Shape	4052A0E



SPARE PARTS

O-Ring (in punch guide)	4092A51
PU ejector Ø 3x6 (in punch)	4092P03
PU ejector Ø 6x10 (in punch)	4092P06

ADDITIONAL COSTS FOR PUNCH

TICN coating
T-MAX coating
A-MAX coating
WT-shear
DOWT-shear
2 PT-shear
4 PT-shear
Cutting part under 1,00 mm

COMPENSATING SHIM FOR PUNCH

Not necessary	
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ADDITIONAL COSTS FOR PUNCH GUIDE

Additional keyway

SET OF COMPENSATING SHIMS FOR DIE

1x0,4 mm/1x0,8 mm/1x1,2 mm	499A1M1
Shimkeeper (0,5 mm)	499A1M95

ADDITIONAL COSTS FOR DIES

Reinforced die
H-PM® Quality
Additional pin hole

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DIAMETER UP TO 12,7 MM



HEAD UNIT

Canister for sheet thickness up to 6 mm

Spring

10 mm length adjustment by thread

Oil channel for sheet lubrication



PUNCH BODY

Oil channel for sheet lubrication

Alignment pin with double D for exact adjustment

Punch body made with premium H-PM®



PUNCH GUIDE

Simple length adjustment in assembled state by pressing the locking button

Surface-hardened and polished punch guide for sheet thickness up to 6 mm

Keyway:

All shapes: 0-90-225°

STRIPPER

Interchangeable stripper plate

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DIAMETER UP TO 12,7 MM

PART-NO.

COMPLETE PUNCH ASSEMBLY		
Round		4010A01
Square		4010A02
Rectangle		4010A03
Oblong		4010A04
O.D. Ground Special Shape		4010A0G
EDM Required Special Shape		4010A0E

HEAD UNIT		
For all shapes		4090A10

PUNCH BODY (H-PM®)		
Round		4020A01
Square		4020A02
Rectangle		4020A03
Oblong		4020A04
O.D. Ground Special Shape		4020A0G
EDM Required Special Shape		4020A0E

PUNCH GUIDE		
For all shapes		4030A05

STRIPPER		
Round		4040A01
Square		4040A02
Rectangle		4040A03
Oblong		4040A04
O.D. Ground Special Shape		4040A0G
EDM Required Special Shape		4040A0E

DIE (HWS)		
Round		4052A01
Square		4052A02
Rectangle		4052A03
Oblong		4052A04
O.D. Ground Special Shape		4052A0G
EDM Required Special Shape		4052A0E



SPARE PARTS		ADDITIONAL COSTS FOR PUNCH
O-Ring (in punch guide)	4092A51	TICN coating
PU ejector Ø 3x6 (in punch)	4092P03	T-MAX coating
PU ejector Ø 6x10 (in punch)	4092P06	A-MAX coating

- WT-shear
- DOWT-shear
- 2 PT-shear
- 4 PT-shear
- Cutting part under 1,00 mm

COMPENSATING SHIM FOR PUNCH		ADDITIONAL COSTS FOR PUNCH GUIDE
Not necessary		Additional keyway

SET OF COMPENSATING SHIMS FOR DIE		ADDITIONAL COSTS FOR DIES
1x0,4 mm/1x0,8 mm/1x1,2 mm	499A1M1	Reinforced die
Shimkeeper (0,5 mm)	499A1M95	H-PM® Quality
		Additional pin hole

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DIAMETER UP TO 12,7 MM



HEAD UNIT

Canister for sheet thickness up to 6 mm

Spring

10 mm length adjustment by thread

Oil channel for sheet lubrication



PUNCH BODY

Oil channel for sheet lubrication

Alignment pin with double D for exact adjustment

Punch body made with premium H-PM®



PUNCH GUIDE

Simple length adjustment in assembled state by pressing the locking button

Surface-hardened and polished punch guide for sheet thickness up to 6 mm

Keyway:

Round: 0°

Square: 0-45°

Rect./Oblong: 0-90-225°

Asym. shapes: 0-90-180-270°

Tool shapes integrated in guide

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DIAMETER UP TO 12,7 MM

PART NO.

COMPLETE PUNCH ASSEMBLY

Round	4016A01
Square	4016A02
Rectangle	4016A03
Oblong	4016A04
O.D. Ground Special Shape	4016A0G
EDM Required Special Shape	4016A0E

HEAD UNIT

For all shapes	4094A10
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PUNCH BODY (H-PM®)

Round	4024A01
Square	4024A02
Rectangle	4024A03
Oblong	4024A04
O.D. Ground Special Shape	4024A0G
EDM Required Special Shape	4024A0E

PUNCH GUIDE

Round	4036A01
Square	4036A02
Rectangle	4036A03
Oblong	4036A04
O.D. Ground Special Shape	4036A0G
EDM Required Special Shape	4036A0E

DIE (HWS)

Round	4052A01
Square	4052A02
Rectangle	4052A03
Oblong	4052A04
O.D. Ground Special Shape	4052A0G
EDM Required Special Shape	4052A0E



SPARE PARTS

O-Ring (in punch guide)	4092A51
PU ejector Ø 3x6 (in punch)	4092P03
PU ejector Ø 6x10 (in punch)	4092P06

ADDITIONAL COSTS FOR PUNCH

TICN coating
T-MAX coating
A-MAX coating
WT-shear
DOWT-shear
2 PT-shear
4 PT-shear
Cutting part under 1,00 mm

COMPENSATING SHIM FOR PUNCH

Not necessary	
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ADDITIONAL COSTS FOR PUNCH GUIDE

Additional keyway

SET OF COMPENSATING SHIMS FOR DIE

1x0,4 mm/1x0,8 mm/1x1,2 mm	499A1M1
Shimkeeper (0,5 mm)	499A1M95

ADDITIONAL COSTS FOR DIES

Reinforced die
H-PM® Quality
Additional pin hole