

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°

STRIPPER

Interchangeable stripper plate

ps:® alpha I STATION A

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

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

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		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 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

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

ps:®beta-V2® ABS I STATION A

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

On request, suitable for PDC-system



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 with oil channels

ps:®beta-V2® ABS I STATION A

DIAMETER UP TO 12,7 MM

PART-NO.

COMPLETE PUNCH ASSEMBLY

Round	4019A01
Square	4019A02
Rectangle	4019A03
Oblong	4019A04
O.D. Ground Special Shape	4019A0G
EDM Required Special Shape	4019A0E

HEAD UNIT

For all shapes	4099A10
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PUNCH BODY (H-PM®)

Round	4029A01
Square	4029A02
Rectangle	4029A03
Oblong	4029A04
O.D. Ground Special Shape	4029A0G
EDM Required Special Shape	4029A0E

PUNCH GUIDE

For all shapes	4039A05
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STRIPPER

Round	4049A01
Square	4049A02
Rectangle	4049A03
Oblong	4049A04
O.D. Ground Special Shape	4049A0G
EDM Required Special Shape	4049A0E

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

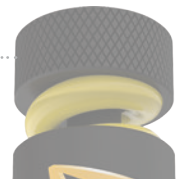
Additional keyway

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
ps:®tornado-die (vacuum-style)
Additional pin hole



Head unit
for PDC-system
(without extra charge)

Part.-no. „see left“-PDC
e.g.: 4019A01-PDC

ps:®beta-compact ABS I STATION A

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

On request, suitable for PDC-system



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: 0-45-90-135°

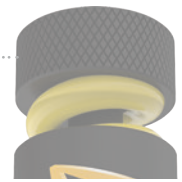
Asym. shapes: 0-90-180-270°

Tool shapes integrated in guide.

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DIAMETER UP TO 12,7 MM

		PART NO.
COMPLETE PUNCH ASSEMBLY		
	Round	4018A01
	Square	4018A02
	Rectangle	4018A03
	Oblong	4018A04
	O.D. Ground Special Shape	4018A0G
	EDM Required Special Shape	4018A0E
HEAD UNIT		
	For all shapes	4095A10
PUNCH BODY (H-PM®)		
	Round	4025A01
	Square	4025A02
	Rectangle	4025A03
	Oblong	4025A04
	O.D. Ground Special Shape	4025A0G
	EDM Required Special Shape	4025A0E
PUNCH GUIDE		
	Round	4038A01
	Square	4038A02
	Rectangle	4038A03
	Oblong	4038A04
	O.D. Ground Special Shape	4038A0G
	EDM Required Special Shape	4038A0E
DIE (HWS)		
	Round	4052A01
	Square	4052A02
	Rectangle	4052A03
	Oblong	4052A04
	O.D. Ground Special Shape	4052A0G
	EDM Required Special Shape	4052A0E



Head unit
for PDC-system
(without extra charge)

Part.-no. „see left“-PDC
e.g.: 4018A01-PDC

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
		ps:®tornado-die (vacuum-style)
		Additional pin hole

ps:®alpha ABS I STATION A

DIAMETER UP TO 12,7 MM



HEAD UNIT

Canister for sheet thickness up to 4 mm

Continuously and easy length adjustment
in assembled status

Oil channel for sheet lubrication



PUNCH BODY

Metric-thread M12 x 1,25

Oil channel for sheet lubrication

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 with oil channels

ps:® alpha ABS I STATION A

DIAMETER UP TO 12,7 MM

PART-NO.

COMPLETE PUNCH ASSEMBLY

Round	40110A01
Square	40110A02
Rectangle	40110A03
Oblong	40110A04
O.D. Ground Special Shape	40110A0G
EDM Required Special Shape	40110A0E

HEAD UNIT

For all shapes	40910A10
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PUNCH BODY (H-PM®)

Round	40210A01
Square	40210A02
Rectangle	40210A03
Oblong	40210A04
O.D. Ground Special Shape	40210A0G
EDM Required Special Shape	40210A0E

PUNCH GUIDE

For all shapes	40310A05
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STRIPPER

Round	40410A01
Square	40410A02
Rectangle	40410A03
Oblong	40410A04
O.D. Ground Special Shape	40410A0G
EDM Required Special Shape	40410A0E

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
ps:®tornado-die (vacuum-style)
Additional pin hole

