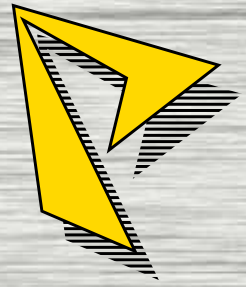


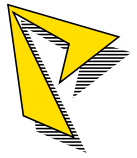
PASS PUNCH & DIE, INC.

Precision in Perfection



System 3

CATALOG
for SALVAGNINI Tool Systems

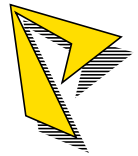


System

Salvagnini

Catalog 2/2007-S supercedes Catalog 5/2001-S

List prices are shown and do not include taxes, shipping, etc..
All sales are subject to PASS Terms of Sales.
PASS reserves the right to make changes at any time without notice.



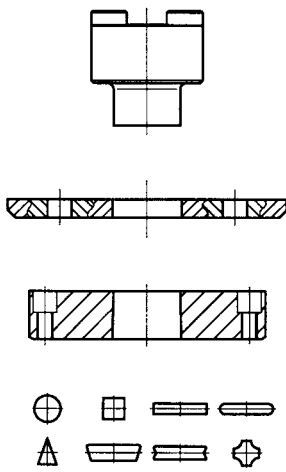
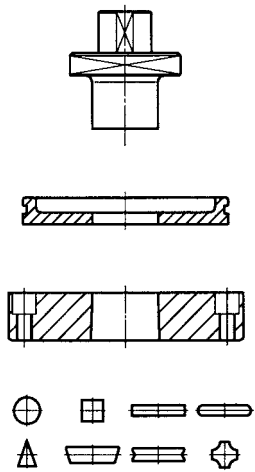
System
Salvagnini

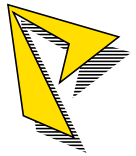
INDEX

Overview Tool System 3 - 33 mm Stations	Page	4
Overview 60 mm Punch Stations	Page	5
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• O.D. Ground Special Shapes	Page	50
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System
Salvagnini

Overview

60 mm Punch Station		
<p>to 42 mm (1.653")</p>  <p>pages 38 - 39</p>	<p>to 60 mm (2.362")</p>  <p>pages 40 - 41</p>	



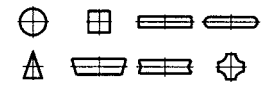
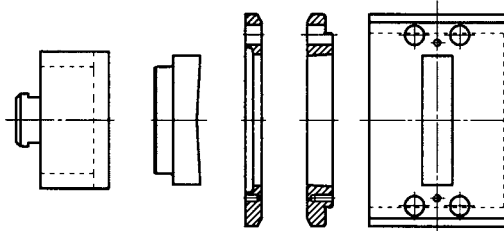
System

Salvagnini

Overview

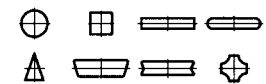
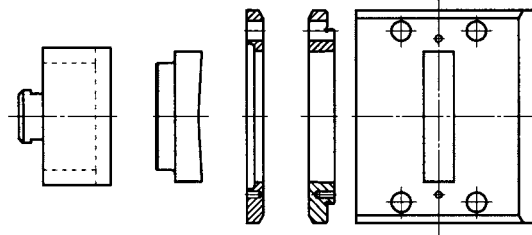
Large Station tools for P21 - P24 (70 x 90 / 90 x 90 / 101 x 101)

System 3
70 x 90 Tools
Position P22 / P23
(machines with 90 x 90)



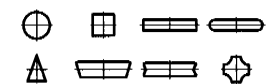
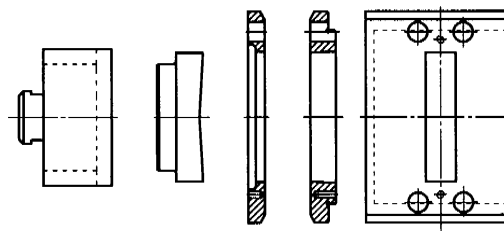
pages 42 - 43

System 3
90 x 90 Tools
Position P21 / P24

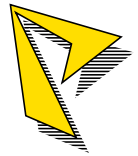


pages 44 - 45

System 3
70 x 90 Tools
Position P21 - P24
(machines without 90 x 90)



pages 46 - 47

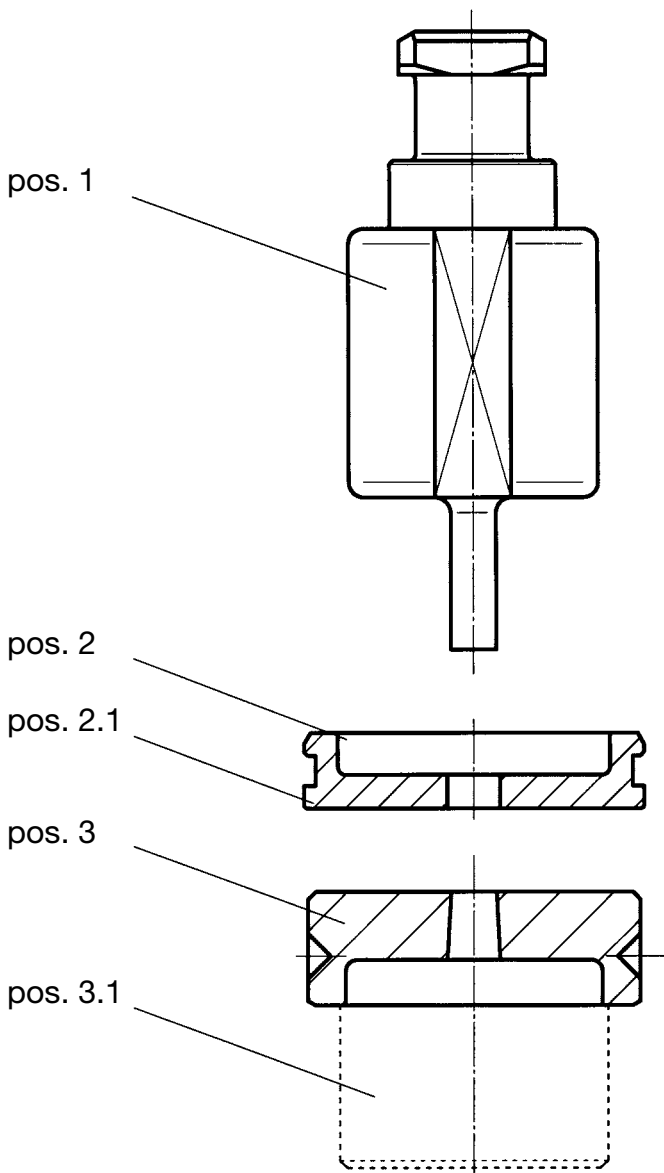


System
Salvagnini

TOOL - SYSTEM 3

System
Salvagnini

PASS - Standard Tools
from 0.8 mm (.032") to 10 mm (.394")



For machines with
brush-table system


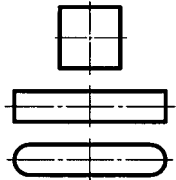
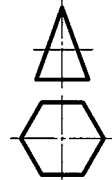
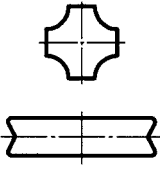
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1

System
Salvagnini

Prices

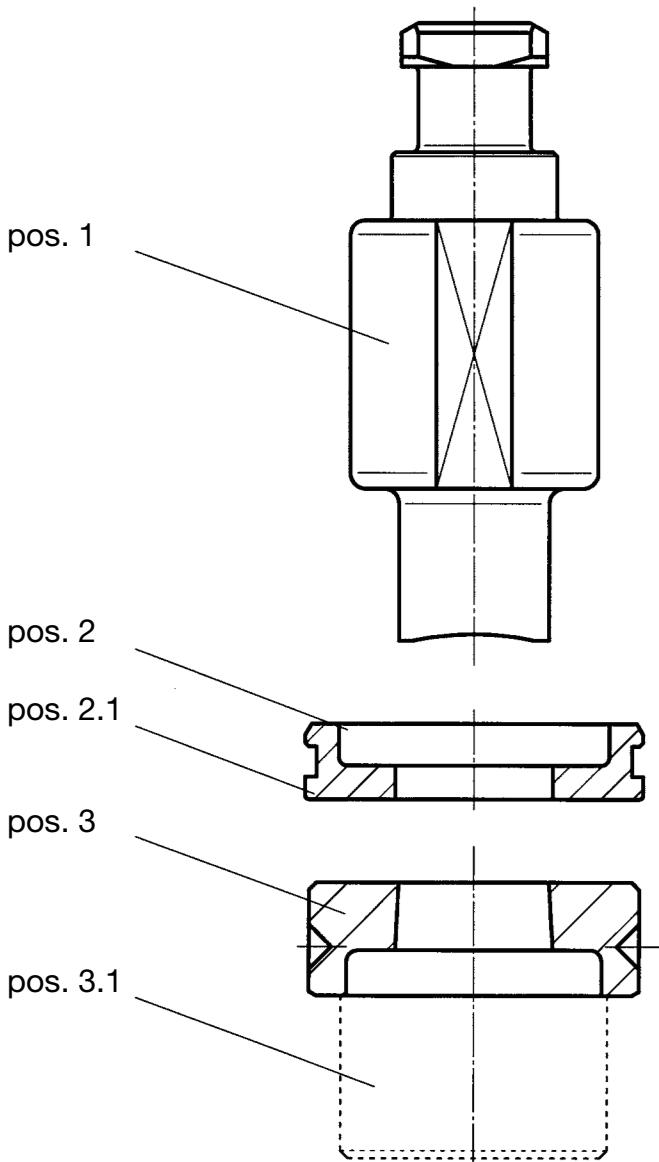
Standard 33 mm
Station Tools
0.8 mm (.032") to 10 mm (.394")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1301)	(p/n: 2W1300)	(p/n: 2W530G)	(p/n: 2W530E)
1	Punch	(p/n: 201301)	(p/n: 201300)	(p/n: 21530G)	(p/n: 21530E)
2	Stripper - standard	(p/n: 210301)	(p/n: 210300)	(p/n: 21730G)	(p/n: 21730E)
2.1	Stripper - polypunch	(p/n: 211301)	(p/n: 211300)	(p/n: 21830G)	(p/n: 21830E)
3	Die - standard	(p/n: 206301)	(p/n: 206300)	(p/n: 21630G)	(p/n: 21630E)
3.1	Die - reinforced	(p/n: 209301)	(p/n: 209300)	(p/n: 2163VG)	(p/n: 2163VE)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - Standard Tools
10.01 mm (.394") to 33 mm (1.300")



For machines with
brush-table system

For Positions 1-20, 41-76, 7 tons


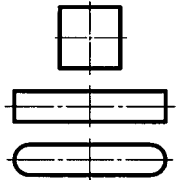
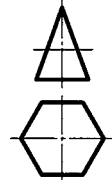
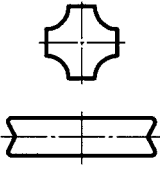
	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1

*Unless otherwise specified, punches sized 11 mm (.433")
or larger come standard with R 40 mm shear.*

System
Salvagnini

Prices

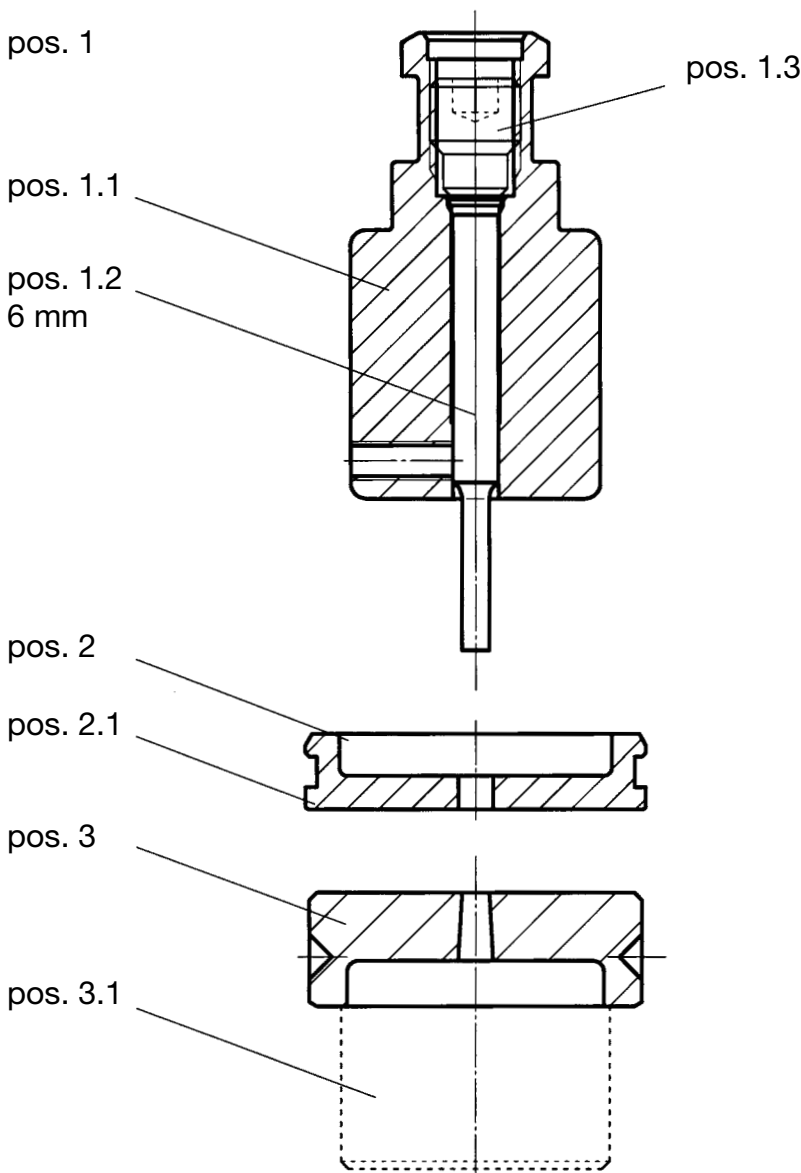
Standard 33 mm
Station Tools
10.01 mm(.394") to 33 mm (1.300")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1311)	(p/n: 2W1310)	(p/n: 2W531G)	(p/n: 2W531E)
1	Punch	(p/n: 201311)	(p/n: 201310)	(p/n: 21531G)	(p/n: 21531E)
2	Stripper - standard	(p/n: 210311)	(p/n: 210310)	(p/n: 21731G)	(p/n: 21731E)
2.1	Stripper - polypunch	(p/n: 211311)	(p/n: 211310)	(p/n: 21831G)	(p/n: 21831E)
3	Die - standard	(p/n: 206311)	(p/n: 206310)	(p/n: 21631G)	(p/n: 21631E)
3.1	Die - reinforced	(p/n: 209311)	(p/n: 209310)	(p/n: 2163V1G)	(p/n: 2163V1E)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P1-System"
(with replaceable inserts)
0.8 mm (.032") to 6 mm (.236")



For machines with
brush-table system


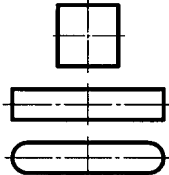
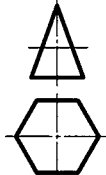
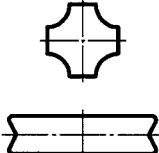
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1

System
Salvagnini

Prices

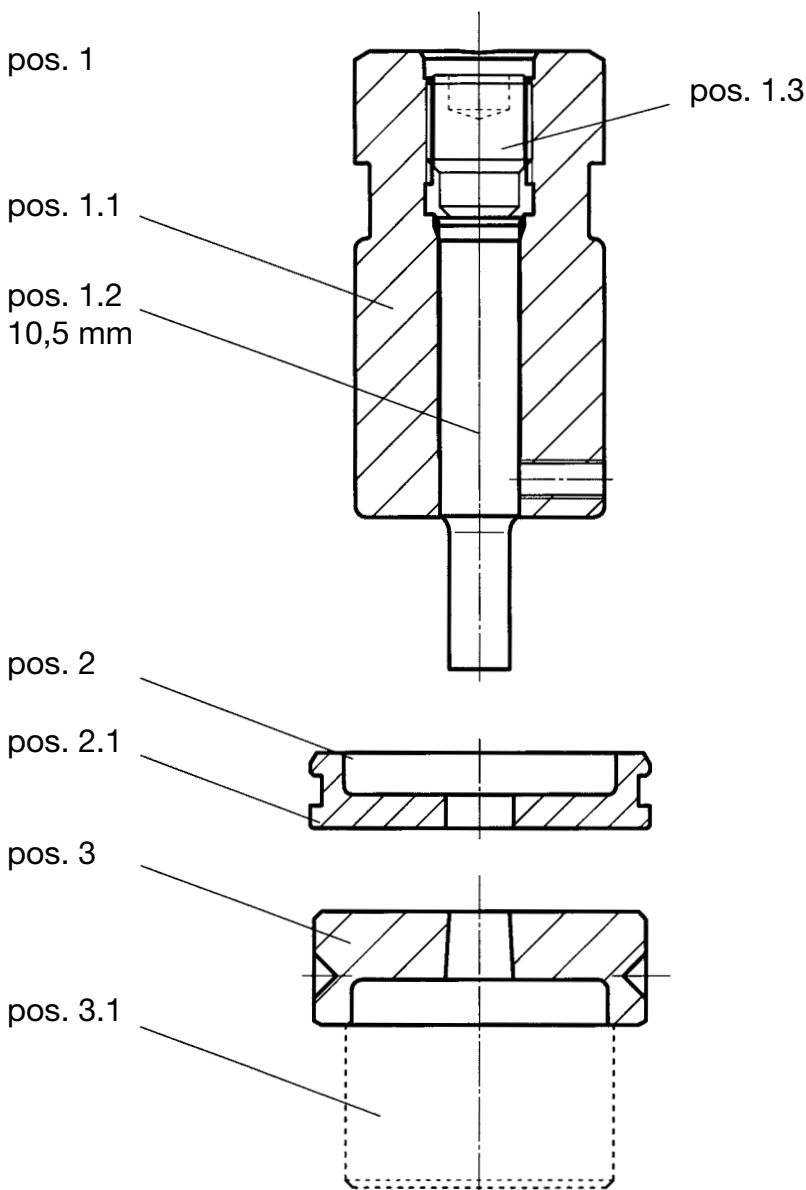
P1-System
0.8 mm (.032") to 6 mm (.236")

Pos.	Tool Description				
		Round	Standard Shapes	O.D. Ground Special Shapes	EDM required Special Shapes
	Complete set	(p/n: 2W1401)			
1	Complete punch assembly	(p/n: 201401)			
1.1	Punch-chuck body	(p/n: 219401)			
1.2	Punch insert	(p/n: 207P1A1)			
1.3	Set screw	(p/n: 219403)			
2	Stripper - standard	(p/n: 210301)			
2.1	Stripper - polypunch	(p/n: 211301)			
3	Die - standard	(p/n: 206301)			
3.1	Die - reinforced	(p/n: 209301)			

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P1-System"
(with replaceable inserts)
6.01 mm (.237") to 10.5 mm (.413")



For machines with
brush-table system


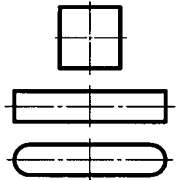
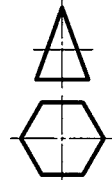
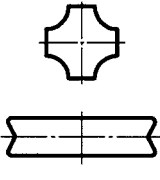
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1

System
Salvagnini

Prices

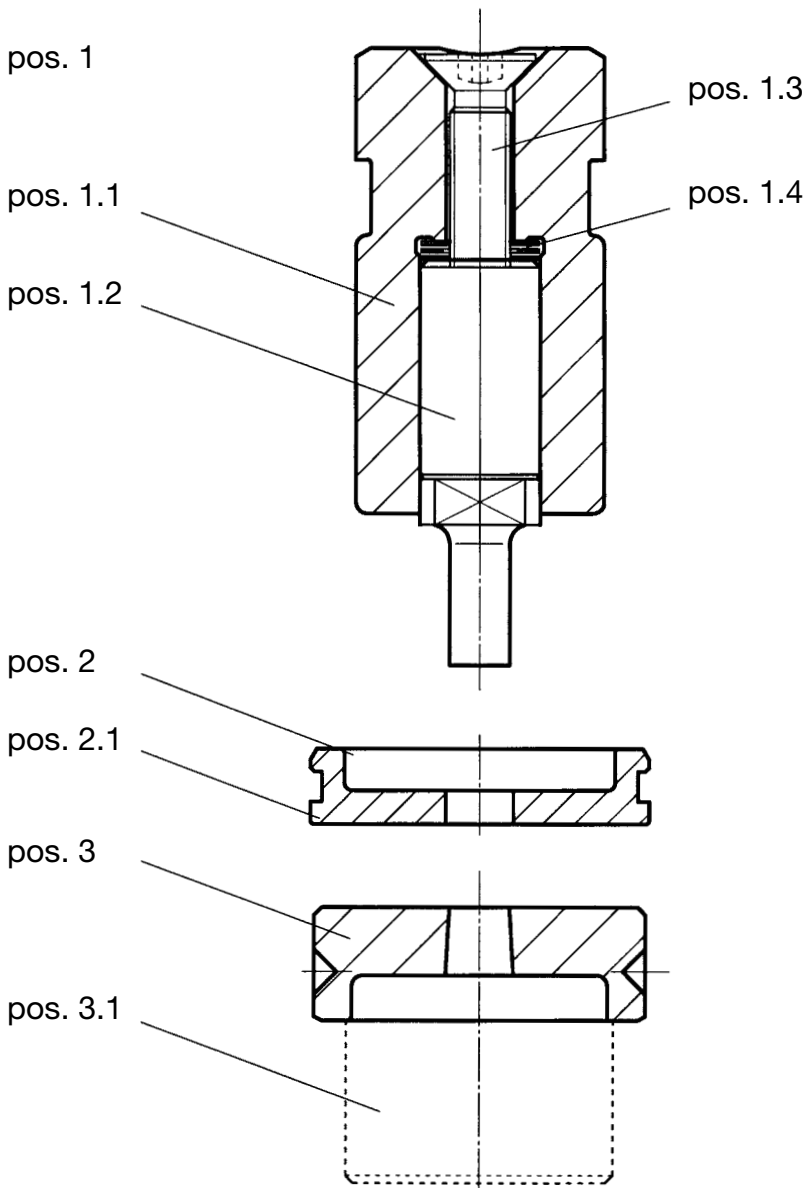
P1-System
6.01 mm (.237") to 10.5 mm (.413")

Pos.	Tool Description				
		Round	Standard Shapes	O.D. Ground Special Shapes	EDM required Special Shapes
	Complete set	(p/n: 2W1421)			
1	Complete punch assembly	(p/n: 201421)			
1.1	Punch-chuck body	(p/n: 219421)			
1.2	Punch insert	(p/n: 207P1B1)			
1.3	Set screw	(p/n: 219423)			
2	Stripper - standard	(p/n: 210301)			
2.1	Stripper - polypunch	(p/n: 211301)			
3	Die - standard	(p/n: 206301)			
3.1	Die - reinforced	(p/n: 209301)			

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P2-System"
(with 2 mm additional grind life)
0.8 mm (.032") to 10 mm (.394")



For machines with
brush-table system


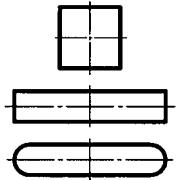
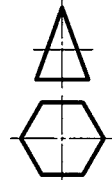
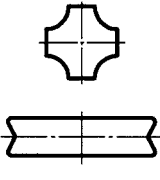
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1

System
Salvagnini

Prices

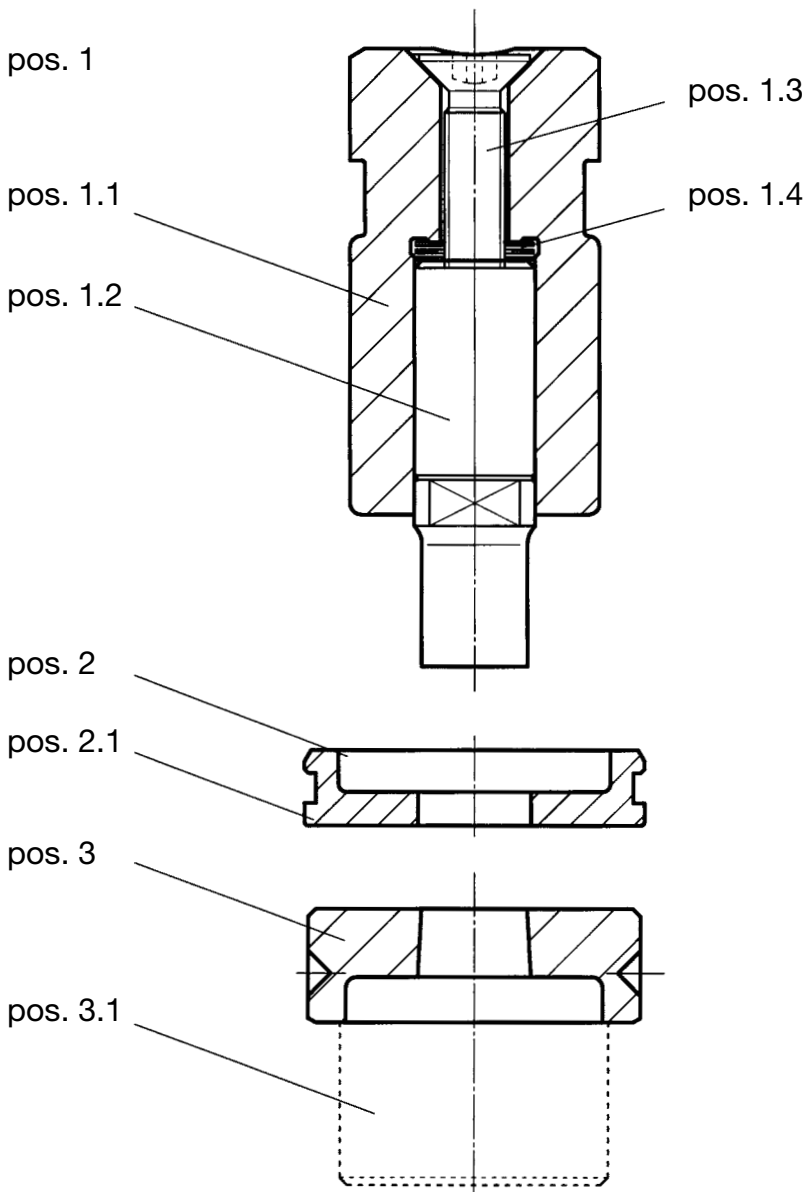
P2-System
0.8 mm (.032") to 10 mm (.394")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1441)	(p/n: 2W1440)	(p/n: 2W544G)	(p/n: 2W544E)
1	Complete punch assembly	(p/n: 201441)	(p/n: 201440)	(p/n: 21544G)	(p/n: 21544E)
1.1	Punch-chuck body	(p/n: 219441)	(p/n: 219441)	(p/n: 219441)	(p/n: 219441)
1.2	Punch insert	(p/n: 207P2A1)	(p/n: 207P2A0)	(p/n: 207P2AG)	(p/n: 207P2AE)
1.3	Retaining screw	(p/n: 219444)	(p/n: 219444)	(p/n: 219444)	(p/n: 219444)
1.4	Shim kit (4 x 0.5 mm)	(p/n: 219443)	(p/n: 219443)	(p/n: 219443)	(p/n: 219443)
2	Stripper - standard	(p/n: 210301)	(p/n: 210300)	(p/n: 21730G)	(p/n: 21730E)
2.1	Stripper - polypunch	(p/n: 211301)	(p/n: 211300)	(p/n: 21830G)	(p/n: 21830E)
3	Die - standard	(p/n: 206301)	(p/n: 206300)	(p/n: 21630G)	(p/n: 21630E)
3.1	Die - reinforced	(p/n: 209301)	(p/n: 209300)	(p/n: 2163VG)	(p/n: 2163VE)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P2-System"
(with 2 mm additional grind life)
10.01 mm (.237") to 16 mm (.630")



For machines with
brush-table system

For Positions 1-20, 41-76, 7 tons


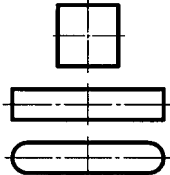
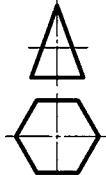
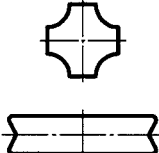
	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1

Unless otherwise specified, punches sized 11 mm (.433")
or larger come standard with R 40 mm shear.

System
Salvagnini

Prices

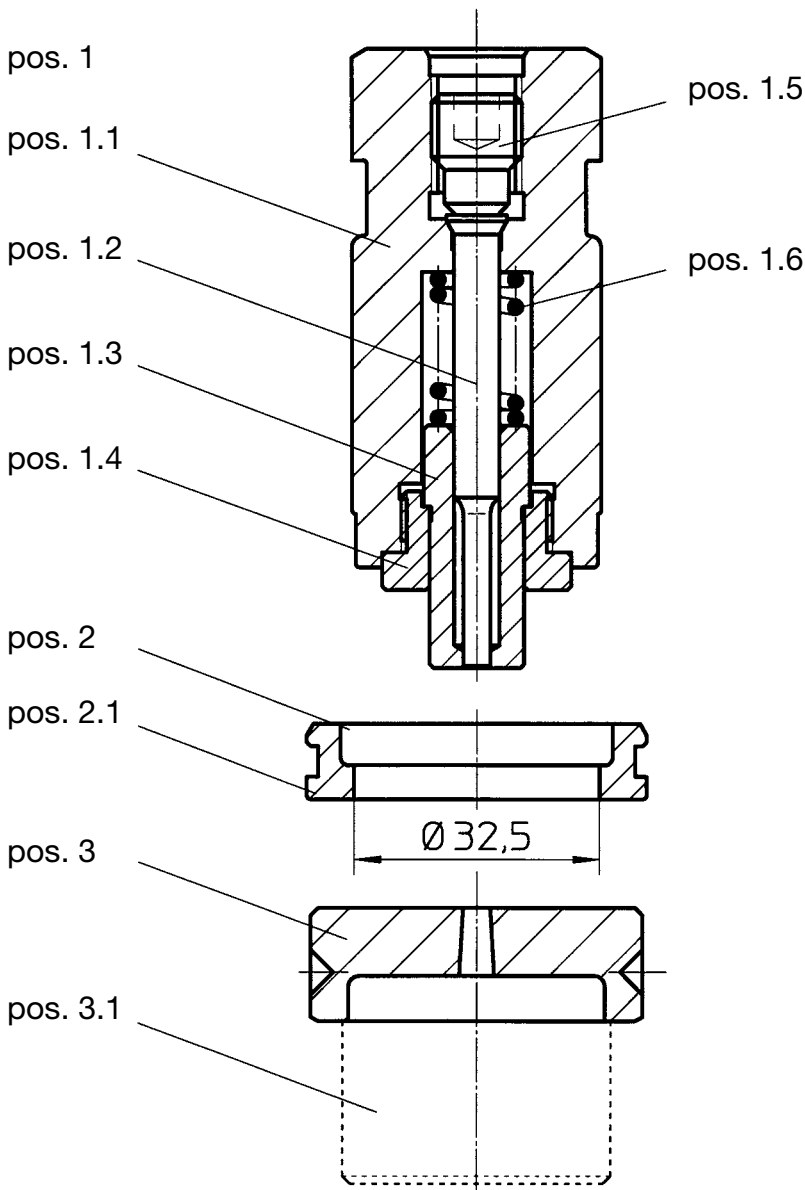
P2-System
10.01 mm (.394") to 16 mm (.630")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n:2W1451)	(p/n: 2W1450)	(p/n: 2W545G)	(p/n: 2W545E)
1	Complete punch assembly	(p/n: 201451)	(p/n: 201450)	(p/n: 21545G)	(p/n: 21545E)
1.1	Punch-chuck body	(p/n: 219451)	(p/n: 219451)	(p/n: 219451)	(p/n: 219451)
1.2	Punch insert	(p/n: 207P2B1)	(p/n: 207P2B0)	(p/n: 207P2BG)	(p/n: 207P2BE)
1.3	Retaining screw	(p/n: 219454)	(p/n: 219454)	(p/n: 219454)	(p/n: 219454)
1.4	Shim kit (4 x 0.5 mm)	(p/n: 219453)	(p/n: 219453)	(p/n: 219453)	(p/n: 219453)
2	Stripper - standard	(p/n: 210311)	(p/n: 210310)	(p/n: 21731G)	(p/n: 21731E)
2.1	Stripper - polypunch	(p/n: 211311)	(p/n: 211310)	(p/n: 21831G)	(p/n: 21831E)
3	Die - standard	(p/n: 206311)	(p/n: 206310)	(p/n: 21631G)	(p/n: 21631E)
3.1	Die - reinforced	(p/n: 209311)	(p/n: 209310)	(p/n: 2163V1G)	(p/n: 2163V1E)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P3-System"
(Fully Guided Punch)
up to 6 mm (.236")



For machines with
brush-table system


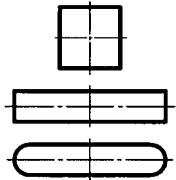
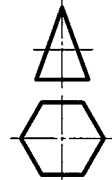
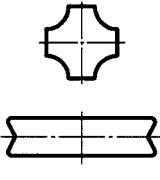
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
	74	66	58	54	50	46	42
70 x 90 23	73	65	57	53	49	45	41
	72	64	20	16	12	8	4
70 x 90 22	71	63	19	15	11	7	3
	70	62	18	14	10	6	2
90 x 90 21	69	61	17	13	9	5	1

System
Salvagnini

Prices

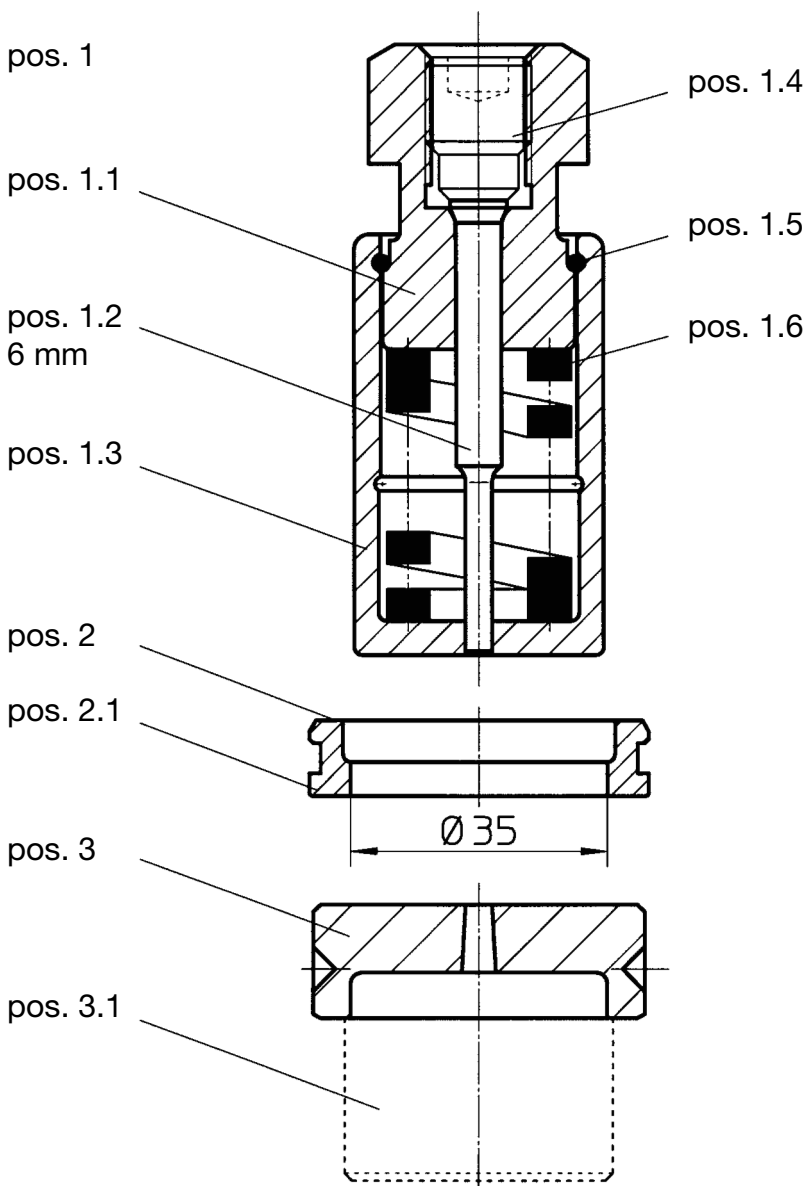
P3-System
(Fully Guided Punch)
up to 6 mm (.236")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1501)			
1	Complete punch assembly	(p/n: 201501)			
1.1	Punch body	(p/n: 219501)			
1.2	Punch insert	(p/n: 207P3A1)			
1.3	Punch guide	(p/n: 219503)			
1.4	Retaining nut	(p/n: 219504)			
1.5	Retaining screw	(p/n: 219505)			
1.6	Spring	(p/n: 219506)			
2	Stripper - standard	(p/n: 210333)			
2.1	Stripper - polypunch	(p/n: 211333)			
3	Die - standard	(p/n: 206301)			
3.1	Die - reinforced	(p/n: 209301)			

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P4-System"
(Fully Guided Punch with Replaceable Standard Inserts)
from 0.8 mm (.032") to 6 mm (.236")



For machines with
brush-table system


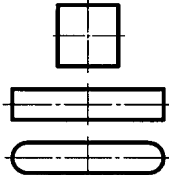
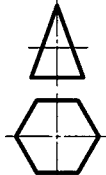
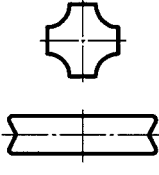
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
	74	66	58	54	50	46	42
70 x 90 23	73	65	57	53	49	45	41
	72	64	20	16	12	8	4
70 x 90 22	71	63	19	15	11	7	3
	70	62	18	14	10	6	2
90 x 90 21	69	61	17	13	9	5	1

System
Salvagnini

Prices

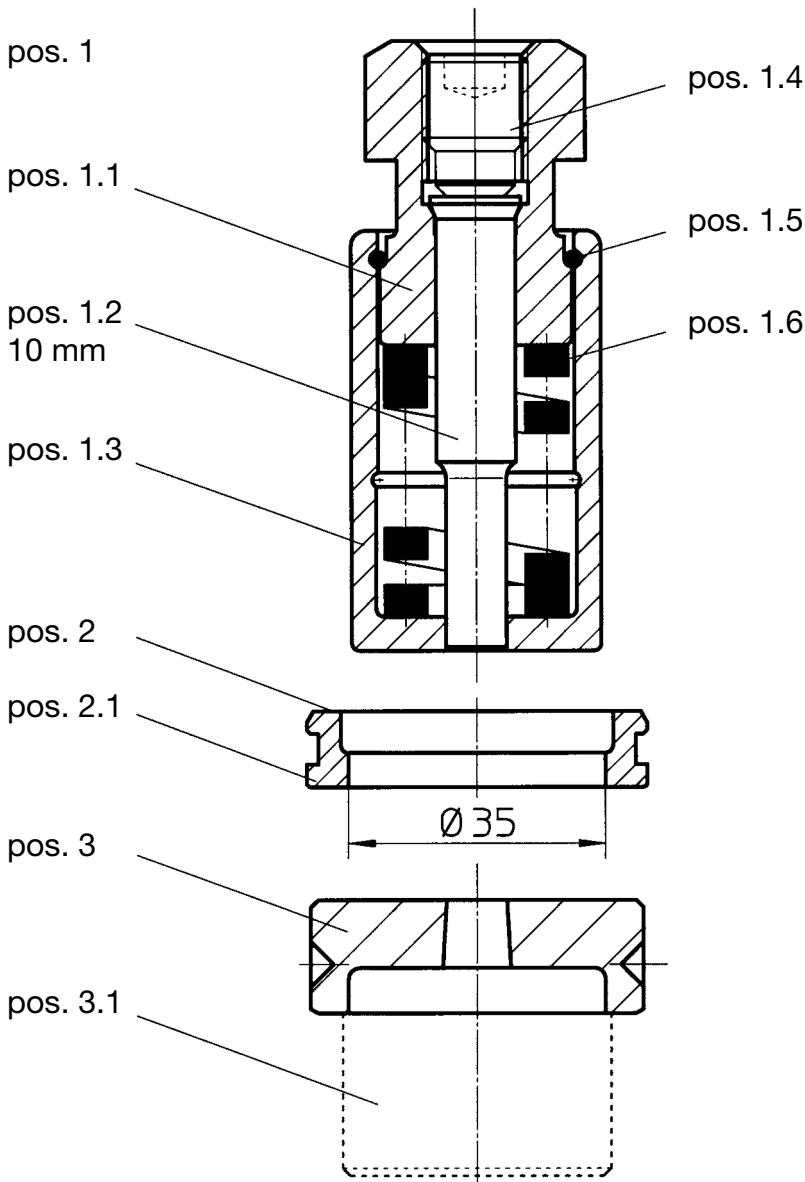
P4-System
0.8 mm (.032") to 6 mm (.236")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1521)			
1	Complete punch assembly	(p/n:201521)			
1.1	Punch head	(p/n: 219521)			
1.2	Punch insert	(p/n: 207P4A1)			
1.3	Punch guide body	(p/n: 219525)			
1.4	Retaining screw	(p/n: 219528)			
1.5	Retaining ring	(p/n: 219527)			
1.6	Spring	(p/n: 219526)			
2	Stripper - standard	(p/n: 210335)			
2.1	Stripper - polypunch	(p/n: 211335)			
3	Die - standard	(p/n: 206301)			
3.1	Die - reinforced	(p/n: 209301)			

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P4-System"
(Fully Guided Punch with Replaceable Standard Inserts)
from 6.01 mm (.237") to 10 mm (.394")



For machines with
brush-table system


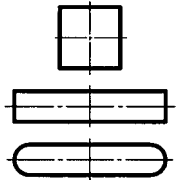
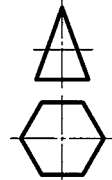
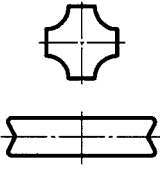
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
	74	66	58	54	50	46	42
70 x 90 23	73	65	57	53	49	45	41
	72	64	20	16	12	8	4
70 x 90 22	71	63	19	15	11	7	3
	70	62	18	14	10	6	2
90 x 90 21	69	61	17	13	9	5	1

System
Salvagnini

Prices

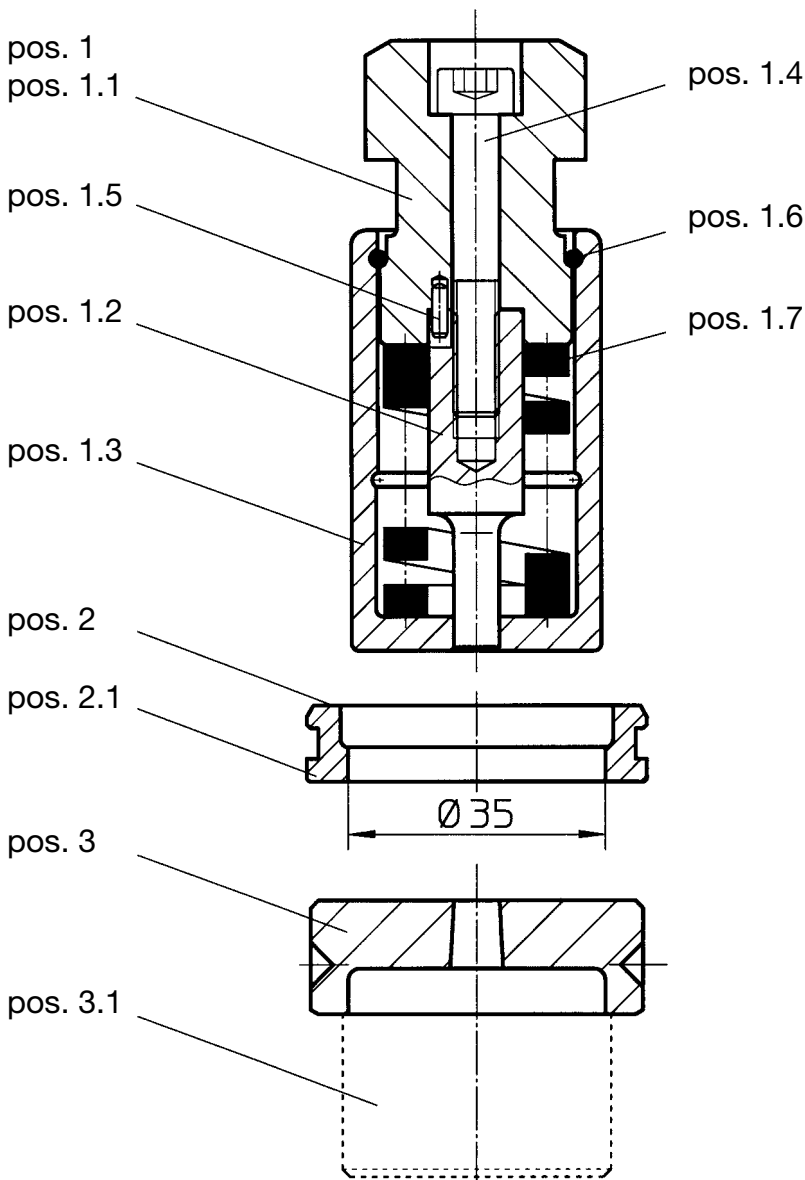
P4-System
6.01 mm (.237") to 10 mm (.394")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1561)			
1	Complete punch assembly	(p/n: 201561)			
1.1	Punch head	(p/n: 219522)			
1.2	Punch insert	(p/n: 207P4B1)			
1.3	Punch guide body	(p/n: 219525)			
1.4	Retaining screw	(p/n: 219528)			
1.5	Retaining ring	(p/n: 219527)			
1.6	Spring	(p/n: 219526)			
2	Stripper - standard	(p/n: 210335)			
2.1	Stripper - polypunch	(p/n: 211335)			
3	Die - standard	(p/n: 206301)			
3.1	Die - reinforced	(p/n: 209301)			

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P5-System"
(Fully Guided Punch with Salvagnini-style inserts)
from 0.8 mm (.032") to 10 mm (.394")



For machines with
brush-table system


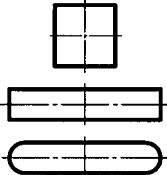
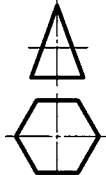
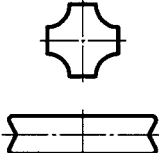
For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
	74	66	58	54	50	46	42
70 x 90 23	73	65	57	53	49	45	41
	72	64	20	16	12	8	4
70 x 90 22	71	63	19	15	11	7	3
	70	62	18	14	10	6	2
90 x 90 21	69	61	17	13	9	5	1

System
Salvagnini

Prices

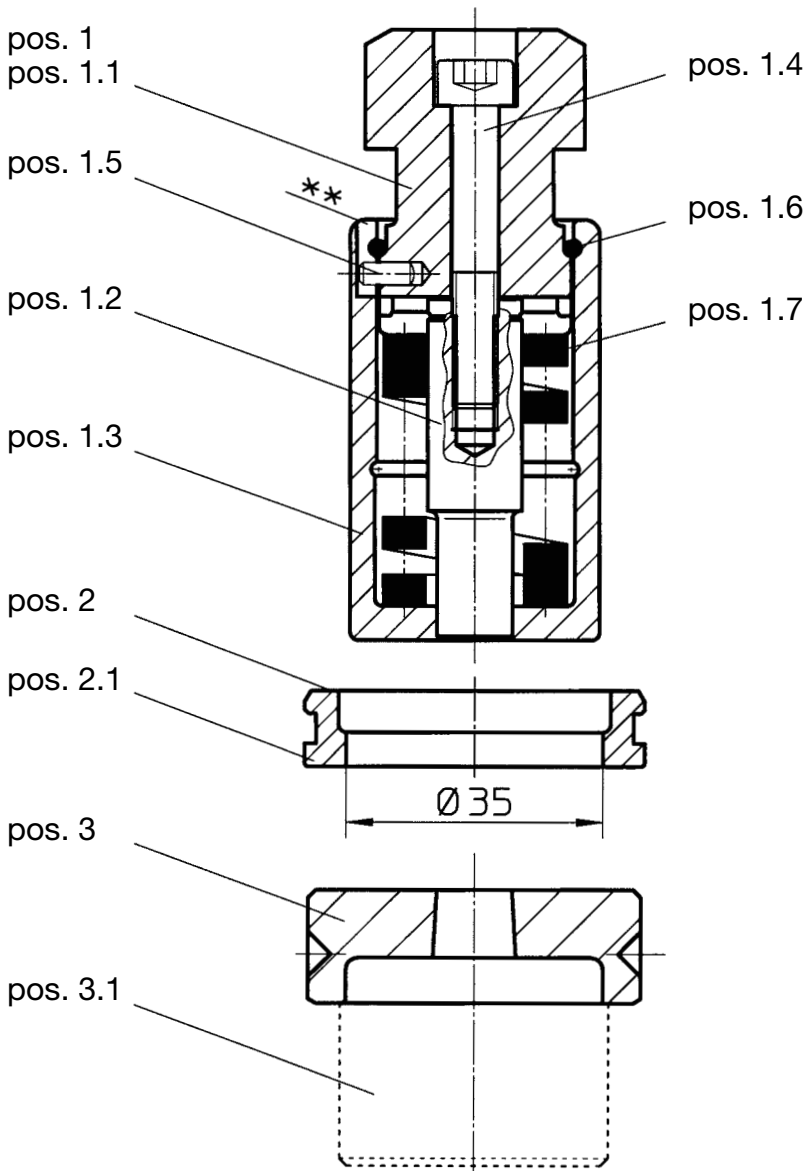
P5-System
0.8 mm (.032") to 10 mm (.394")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1531)			
1	Complete punch assembly	(p/n: 201531)			
1.1	Punch head	(p/n: 219532)			
1.2	Punch insert	(p/n: 207P5A1)			
1.3	Punch guide body	(p/n: 219534)			
1.4	Retaining screw	(p/n: 219537)			
1.5	Alignment pin	(p/n: 219538)			
1.6	Retaining ring	(p/n: 219536)			
1.7	Spring	(p/n: 219535)			
2	Stripper - standard	(p/n: 210335)			
2.1	Stripper - polypunch	(p/n: 211335)			
3	Die - standard	(p/n: 206301)			
3.1	Die - reinforced	(p/n: 209301)			

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P6-System"
(Fully Guided Punch with Salvagnini-style inserts)
from 0.8 mm (.032") to 10 mm (.394")



For machines with
brush-table system

For Positions 1-20, 41-76, 7 tons


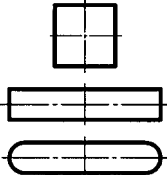
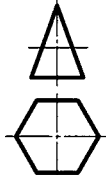
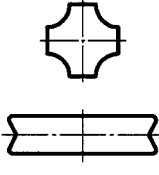
	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
	74	66	58	54	50	46	42
70 x 90 23	73	65	57	53	49	45	41
	72	64	20	16	12	8	4
70 x 90 22	71	63	19	15	11	7	3
	70	62	18	14	10	6	2
90 x 90 21	69	61	17	13	9	5	1

** guide pin for exact alignment with head

System
Salvagnini

Prices

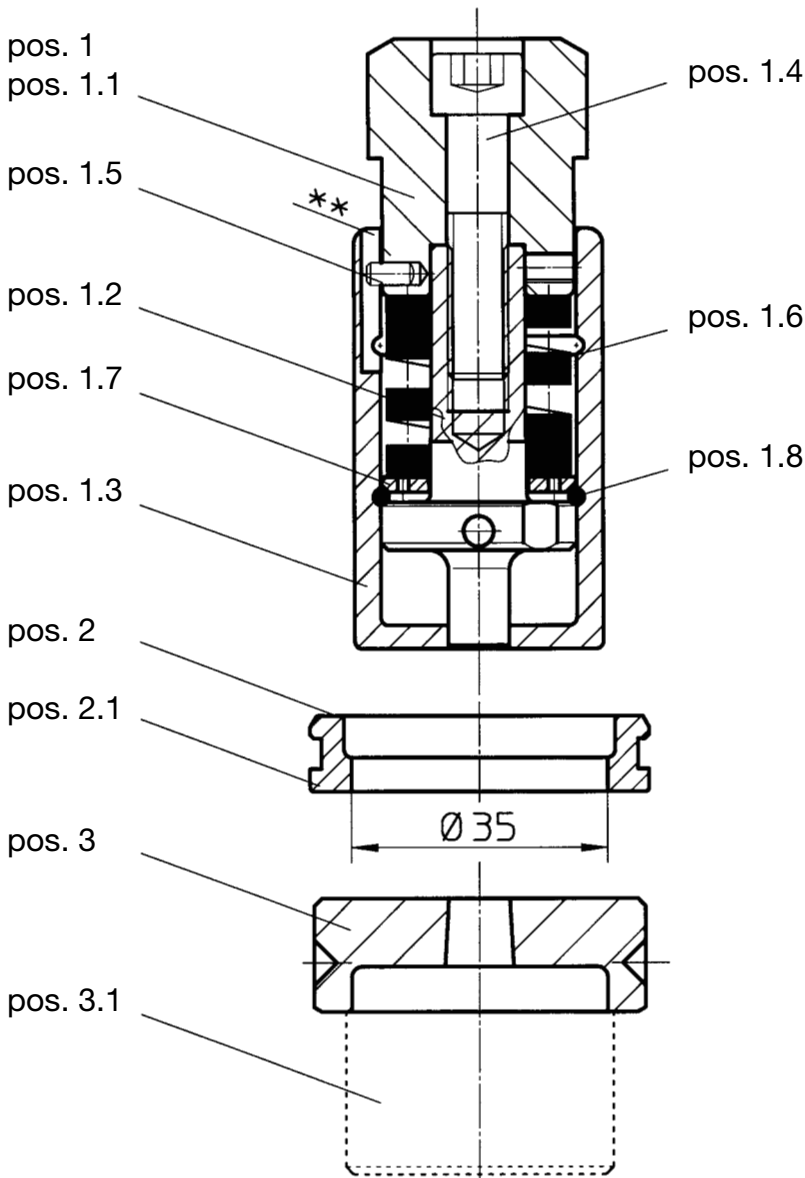
P6-System
0.8 mm (.032") to 10 mm (.394")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set		(p/n: 2W1510)	(p/n: 2W151G)	(p/n: 2W151E)
1	Complete punch assembly		(p/n: 201510)	(p/n: 20151G)	(p/n: 20151E)
1.1	Punch head		(p/n: 219511)	(p/n: 219511)	(p/n: 219511)
1.2	Punch insert		(p/n: 207P6A0)	(p/n: 207P6AG)	(p/n: 207P6AE)
1.3	Punch guide body		(p/n: 219510)	(p/n: 21951G)	(p/n: 21951E)
1.4	Retaining screw		(p/n: 219512)	(p/n: 219512)	(p/n: 219512)
1.5	Alignment pin		(p/n: 219513)	(p/n: 219513)	(p/n: 219513)
1.6	Retaining ring		(p/n: 219514)	(p/n: 219514)	(p/n: 219514)
1.7	Spring		(p/n: 219516)	(p/n: 219516)	(p/n: 219516)
2	Stripper - standard		(p/n: 210335)	(p/n: 210335)	(p/n: 210335)
2.1	Stripper - polypunch		(p/n: 211335)	(p/n: 211335)	(p/n: 211335)
3	Die - standard		(p/n: 206300)	(p/n: 21630G)	(p/n: 21630E)
3.1	Die - reinforced		(p/n: 209300)	(p/n: 2163VG)	(p/n: 2163VE)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - "P7-System"
(Fully Guided Punch System)
0.8 mm (.032") to 10 mm (.394")



For machines with
brush-table system

For Positions 1-20, 41-76, 7 tons


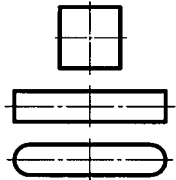
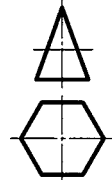
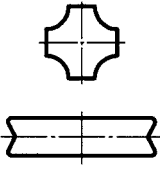
	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
	74	66	58	54	50	46	42
70 x 90 23	73	65	57	53	49	45	41
	72	64	20	16	12	8	4
70 x 90 22	71	63	19	15	11	7	3
	70	62	18	14	10	6	2
90 x 90 21	69	61	17	13	9	5	1

** guide pin for easy assembly

System
Salvagnini

Prices

P7-System
0.8 mm (.032") to 10 mm (.394")

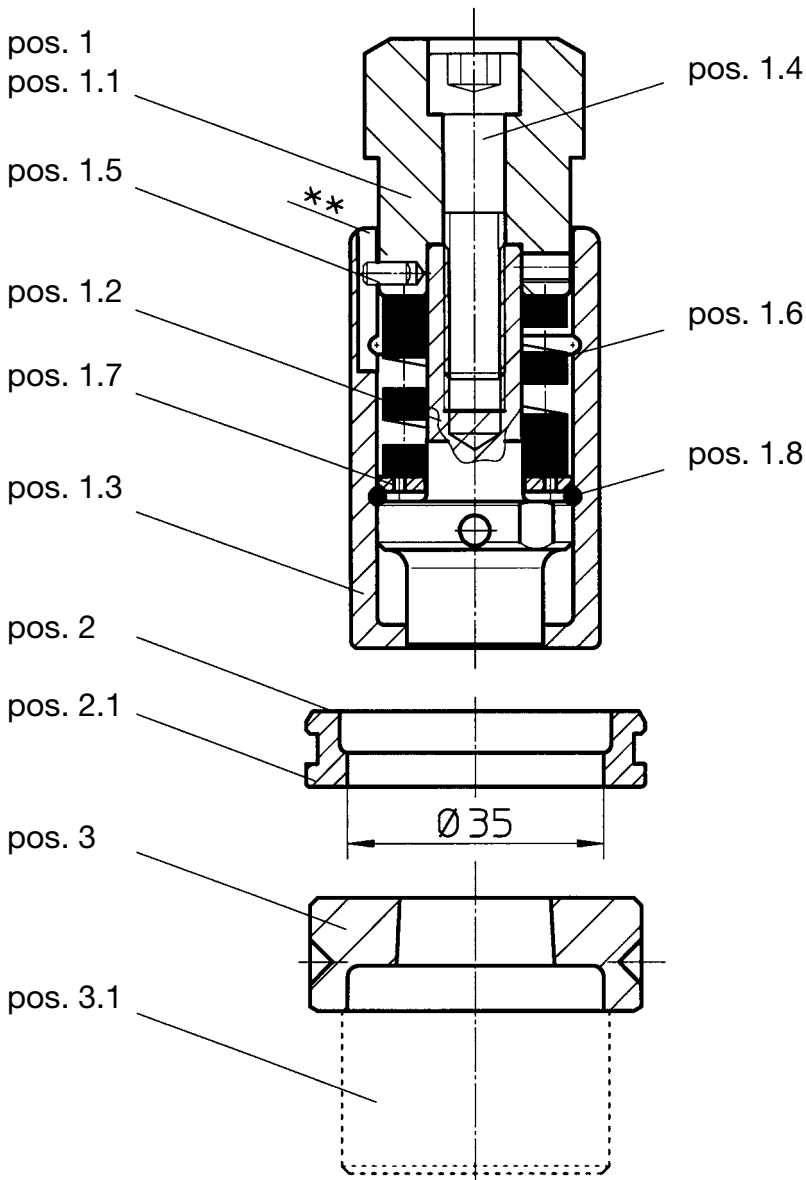
Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1541)	(p/n: 2W1540_U)	(p/n: 2W154G)	(p/n: 2W154E)
1	Complete punch assembly	(p/n: 201541)	(p/n: 201540_U)	(p/n: 20154G)	(p/n: 20154E)
1.1	Punch head	(p/n: 219541)	(p/n: 219541)	(p/n: 219541)	(p/n: 219541)
1.2	Punch insert	(p/n: 207P7A1)	(p/n: 207P7A0_U)	(p/n: 207P7AG)	(p/n: 207P7AE)
1.3	Punch guide	(p/n: 219542)	(p/n: 219540)	(p/n: 21954G)	(p/n: 21954E)
1.4	Retaining body	(p/n: 219544)	(p/n: 219544)	(p/n: 219544)	(p/n: 219544)
1.5	Guide pin	(p/n: 219546)	(p/n: 219546)	(p/n: 219546)	(p/n: 219546)
1.6	Spring	(p/n: 219547)	(p/n: 219547)	(p/n: 219547)	(p/n: 219547)
1.7	Washer	(p/n: 219548)	(p/n: 219548)	(p/n: 219548)	(p/n: 219548)
1.8	Retaining ring	(p/n: 219549)	(p/n: 219549)	(p/n: 219549)	(p/n: 219549)
2	Stripper - standard	(p/n: 210335)	(p/n: 210335)	(p/n: 210335)	(p/n: 210335)
2.1	Stripper - polypunch	(p/n: 211335)	(p/n: 211335)	(p/n: 211335)	(p/n: 211335)
3	Die - standard	(p/n: 206301)	(p/n: 206300)	(p/n: 21630G)	(p/n: 21630E)
3.1	Die - reinforced	(p/n: 209301)	(p/n: 209300)	(p/n: 2163VG)	(p/n: 2163VE)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

Assembly / Disassembly
(p/n: 220300)

System
Salvagnini

PASS - "P7-System"
(Fully Guided Punch System)
10.01 mm (.394") to 26 mm (1.023")



For machines with
brush-table system

For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
	74	66	58	54	50	46	42
70 x 90 23	73	65	57	53	49	45	41
	72	64	20	16	12	8	4
70 x 90 22	71	63	19	15	11	7	3
	70	62	18	14	10	6	2
90 x 90 21	69	61	17	13	9	5	1


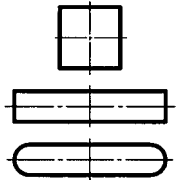
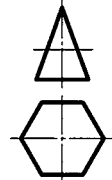
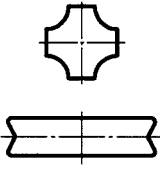
** guide pin for easy assembly

Unless otherwise specified, punches sized 11 mm (.433")
or larger come standard with R 40 mm shear.

System
Salvagnini

Prices

P7-System
10.01 mm (.394") to 26 mm (1.023")

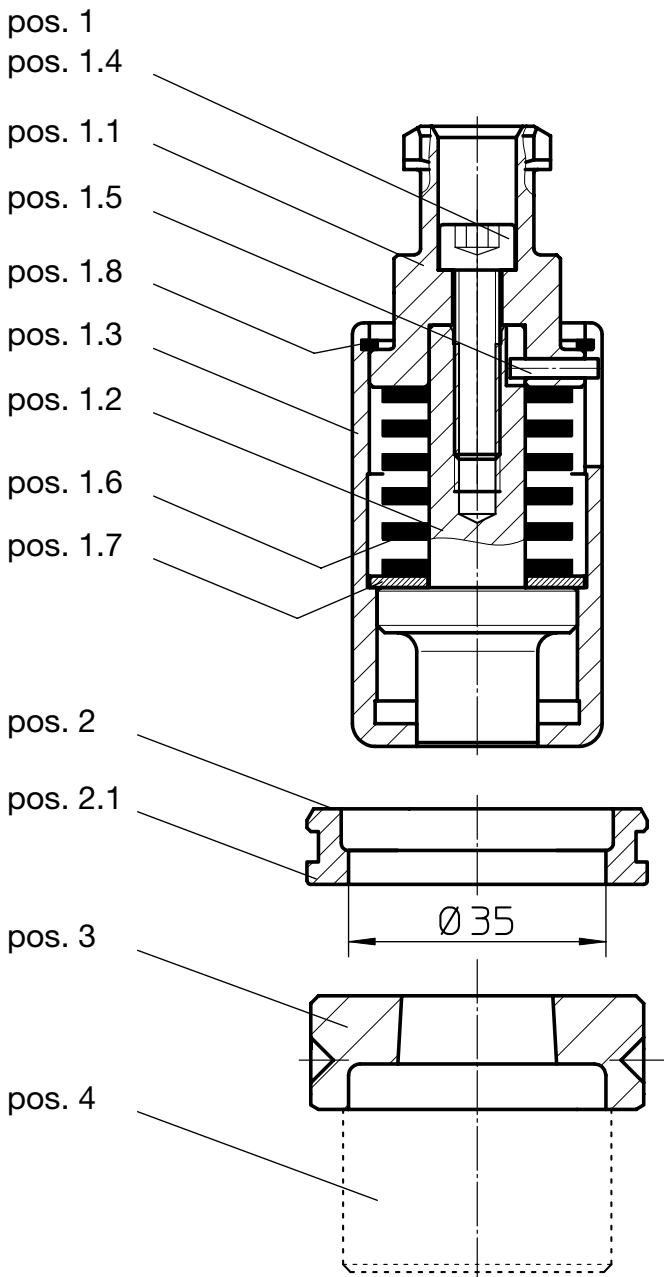
Pos.	Tool Description				
		Round	Standard Shapes	O.D. Ground Special Shapes	EDM required Special Shapes
	Complete set	(p/n: 2W1551)	(p/n: 2W1550_U)	(p/n: 2W155G)	(p/n: 2W155E)
1	Complete punch assembly	(p/n: 201551)	(p/n: 201550_U)	(p/n: 20155G)	(p/n: 20155E)
1.1	Punch head	(p/n: 219551)	(p/n: 219551)	(p/n: 219551)	(p/n: 219551)
1.2	Punch insert	(p/n: 207P7B1)	(p/n: 207P7B0_U)	(p/n: 207P7BG)	(p/n: 207P7BE)
1.3	Punch guide	(p/n: 219552)	(p/n: 219550)	(p/n: 21955G)	(p/n: 21955E)
1.4	Retaining body	(p/n: 219553)	(p/n: 219553)	(p/n: 219553)	(p/n: 219553)
1.5	Guide pin	(p/n: 219556)	(p/n: 219556)	(p/n: 219556)	(p/n: 219556)
1.6	Spring	(p/n: 219557)	(p/n: 219557)	(p/n: 219557)	(p/n: 219557)
1.7	Washer	(p/n: 219558)	(p/n: 219558)	(p/n: 219558)	(p/n: 219558)
1.8	Retaining ring	(p/n: 219559)	(p/n: 219559)	(p/n: 219559)	(p/n: 219559)
2	Stripper - standard	(p/n: 210335)	(p/n: 210335)	(p/n: 210335)	(p/n: 210335)
2.1	Stripper - polypunch	(p/n: 211335)	(p/n: 211335)	(p/n: 211335)	(p/n: 211335)
3	Die - standard	(p/n: 206311)	(p/n: 206310)	(p/n: 21631G)	(p/n: 21631E)
3.1	Die - reinforced	(p/n: 209311)	(p/n: 209310)	(p/n: 2163V1G)	(p/n: 2163V1E)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

Assembly / Disassembly
(p/n: 220300)

System
Salvagnini

PASS - "P9-System"
(Fully Guided Punch System)
10.01 mm (.394") to 26,5 mm (1.043")



For machines with
brush-table system

For Positions 1-20, 41-76, 7 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1


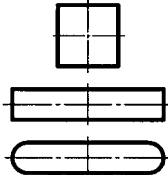
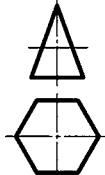
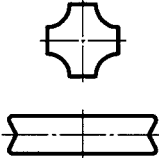
Unless otherwise specified, punches sized 11 mm (.433")
or larger come standard with R 40 mm shear.



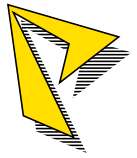
System
Salvagnini

Prices

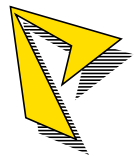
P9-System
10.01 mm (.394")
to 26,5 mm (1.043")

Pos.	Tool Description				
		Round	Standard Shapes	O.D. Ground Special Shapes	EDM required Special Shapes
	Complete set	(p/n: 2W1571)	(p/n: 2W1570_U)	(p/n: 2W157G)	(p/n: 2W157E)
1	Complete punch assembly	(p/n: 201571)	(p/n: 201570_U)	(p/n: 20157G)	(p/n: 20157E)
1.1	Punch head	(p/n: 219572)	(p/n: 219572)	(p/n: 219572)	(p/n: 219572)
1.2	Punch insert	(p/n: 207P9B1)	(p/n: 207P9B0_U)	(p/n: 207P9BG)	(p/n: 207P9BE)
1.3	Punch guide	(p/n: 219571)	(p/n: 219570)	(p/n: 21957G)	(p/n: 21957E)
1.4	Retaining body	(p/n: 219573)	(p/n: 219573)	(p/n: 219573)	(p/n: 219573)
1.5	Guide pin	(p/n: 219576)	(p/n: 219576)	(p/n: 219576)	(p/n: 219576)
1.6	Spring	(p/n: 219577)	(p/n: 219577)	(p/n: 219577)	(p/n: 219577)
1.7	Washer	(p/n: 219578)	(p/n: 219578)	(p/n: 219578)	(p/n: 219578)
1.8	Retaining ring	(p/n: 219579)	(p/n: 219579)	(p/n: 219579)	(p/n: 219579)
2	Stripper - standard	(p/n: 210335)	(p/n: 210335)	(p/n: 210335)	(p/n: 210335)
2.1	Stripper - polypunch	(p/n: 211335)	(p/n: 211335)	(p/n: 211335)	(p/n: 211335)
3	Die - standard	(p/n: 206311)	(p/n: 206310)	(p/n: 21631G)	(p/n: 21631E)
3.1	Die - reinforced	(p/n: 209311)	(p/n: 209310)	(p/n: 2163V1G)	(p/n: 2163V1E)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+



System
Salvagnini



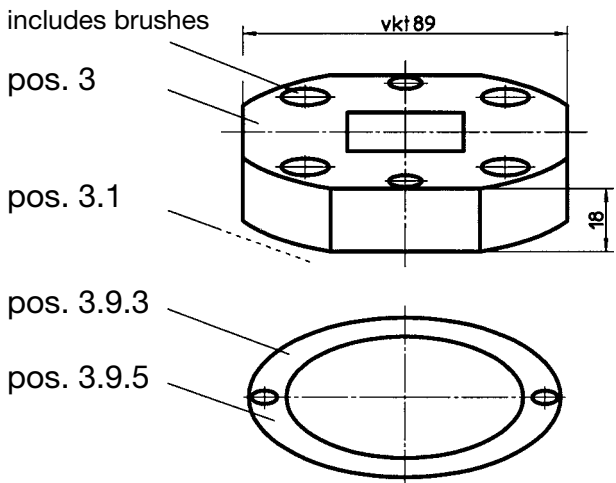
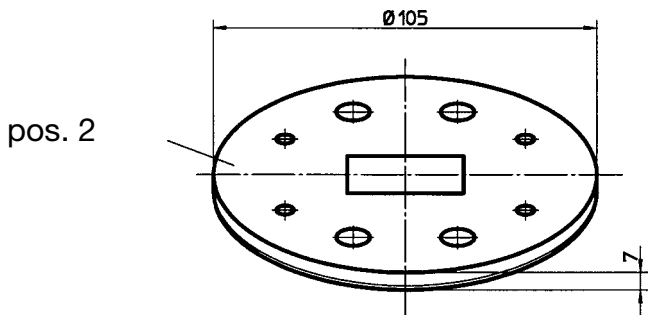
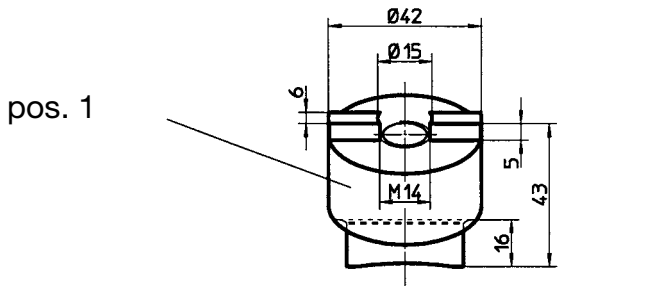
System
Salvagnini

60 mm Station Tools

**P30 - P35
Rotation-Station
etc.**

System
Salvagnini

PASS - Standard Tools
60 mm Rotator - Blank Holder Style (Type: PU; PR; P2R)
up to 42 mm (1.654")



For machines with
brush-table system

For Positions 30-35, 12 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1


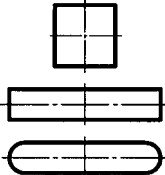
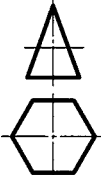
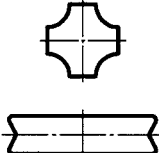
Shape Positions						
	Round	Square	Rect.	Obound	SF3	SF6
0°						
90°						
180°						
270°						



System
Salvagnini

Prices

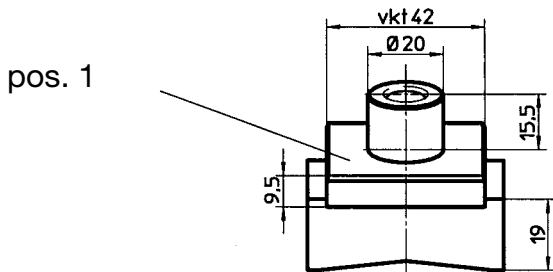
for 60 mm Rotator
Blank-holder style
to 42 mm (1.654")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete set	(p/n: 2W1L01)	(p/n: 2W1L00)	(p/n: 2W5L0G)	(p/n: 2W5L0E)
1	Punch	(p/n: 201L01)	(p/n: 201L00)	(p/n: 215L0G)	(p/n: 215L0E)
2	Stripper	(p/n: 210L01)	(p/n: 210L00)	(p/n: 217L0G)	(p/n: 217L0E)
3	Die - standard	(p/n: 206L01)	(p/n: 206L00)	(p/n: 216L0G)	(p/n: 216L0E)
3.1	Die reinforced	(p/n: 209L01)	(p/n: 209L00)	(p/n: 216VL0G)	(p/n: 216VL0E)
3.9.3	Shim kit t=0,3	(p/n: 203A01)	(p/n: 203A01)	(p/n: 203A01)	(p/n: 203A01)
3.9.5	Shim kit t=0,5	(p/n: 205A01)	(p/n: 205A01)	(p/n: 205A01)	(p/n: 205A01)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

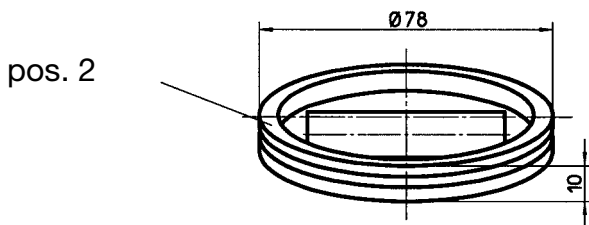
System
Salvagnini

PASS - Standard Tools
60 mm Rotator Station (Type: PU; PR; P2R)
up to 60 mm (2.362")

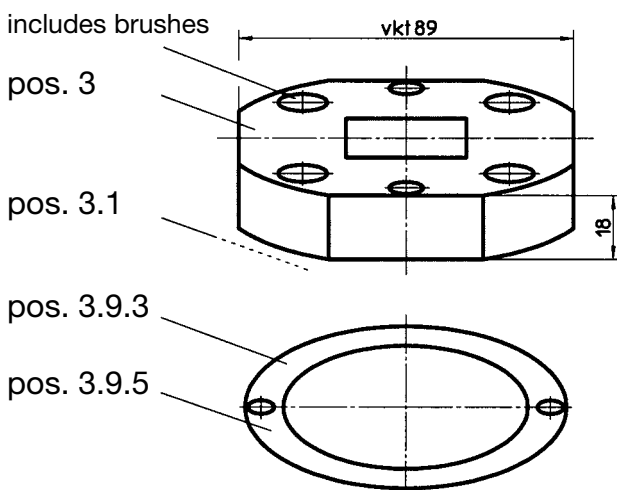


For machines with
brush-table system

For Positions 30-35, 12 tons



	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1




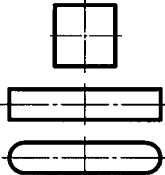
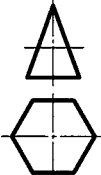
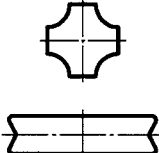
Shape Positions						
	Round	Square	Rect.	Obound	SF3	SF6
0°						
90°						
180°						
270°						



System
Salvagnini

Prices

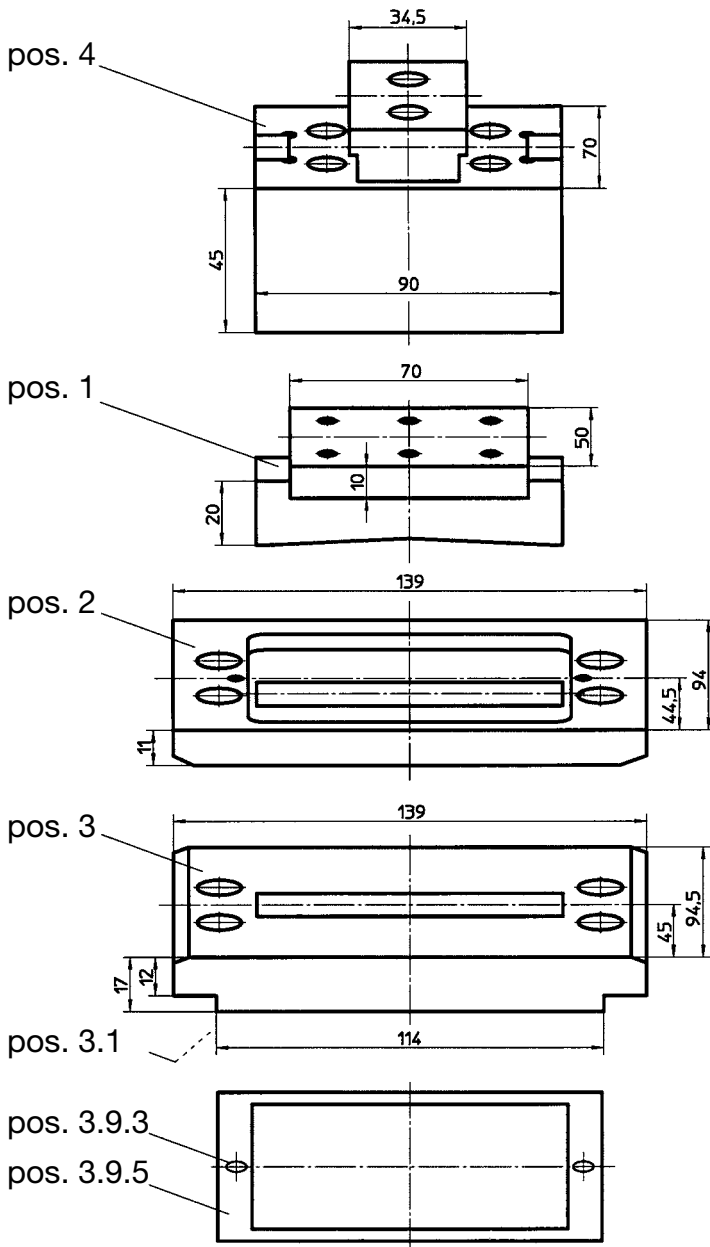
for 60 mm Rotator
to 60 mm (2.362")

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
	Complete Set	(p/n: 2W1L11)	(p/n: 2W1L10)	(p/n: 2W5L1G)	(p/n: 2W5L1E)
1	Punch	(p/n: 201L11)	(p/n: 201L10)	(p/n: 215L1G)	(p/n: 215L1E)
2	Stripper	(p/n: 210L11)	(p/n: 210L10)	(p/n: 217L1G)	(p/n: 217L1E)
3	Die - standard	(p/n: 206L11)	(p/n: 206L10)	(p/n: 216L1G)	(p/n: 216L1E)
3.1	Die - reinforced	(p/n: 209L11)	(p/n: 209L10)	(p/n: 216VL1G)	(p/n: 216VL1E)
3.9.3	Shim set t=0,3	(p/n: 203A11)	(p/n: 203A11)	(p/n: 203A11)	(p/n: 203A11)
3.9.5	Shim set t=0,5	(p/n: 205A11)	(p/n: 205A11)	(p/n: 205A11)	(p/n: 205A11)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - Standard Tools
 70 mm x 90 mm 26 ton stations
 Positions 22 & 23 (with 90 x 90)



For machines with
 brush-table system

For Positions 22 and 23, 26 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1


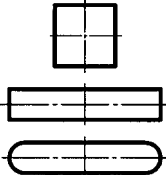
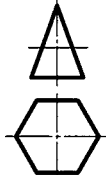
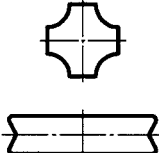
Shape Positions						
	Round	Square	Rect.	Obound	SF3	SF6
0°						
90°						
180°						
270°						



System
Salvagnini

Prices

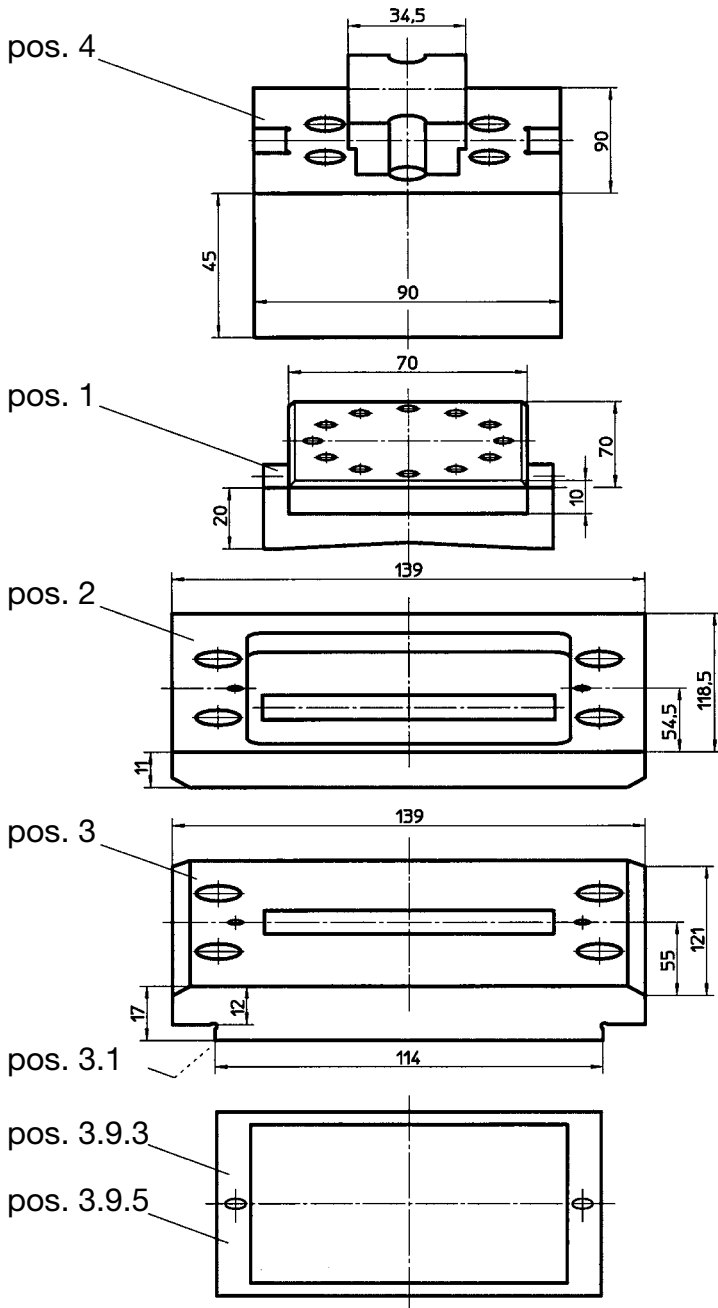
70 mm x 90 mm
26 ton stations
P22 & P23 with 90 x 90

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
1,2,3	Complete set	(p/n: 2W1L61)	(p/n: 2W1L60)	(p/n: 2W5L6G)	(p/n: 2W5L6E)
4	Punch holder	(p/n: 200L61)	(p/n: 200L61)	(p/n: 200L61)	(p/n: 200L61)
1	Punch	(p/n: 201L61)	(p/n: 201L60)	(p/n: 215L6G)	(p/n: 215L6E)
2	Stripper	(p/n: 210L61)	(p/n: 210L60)	(p/n: 217L6G)	(p/n: 217L6E)
3	Die - standard	(p/n: 206L61)	(p/n: 206L60)	(p/n: 216L6G)	(p/n: 216L6E)
3.1	Die - reinforced	(p/n: 209L61)	(p/n: 209L60)	(p/n: 216VL6G)	(p/n: 216VL6E)
3.9.3	Shim t=0,3	(p/n: 203A06)	(p/n: 203A06)	(p/n: 203A06)	(p/n: 203A06)
3.9.5	Shim t=0,5	(p/n: 205A06)	(p/n: 205A06)	(p/n: 205A06)	(p/n: 205A06)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

System
Salvagnini

PASS - Standard Tools
90 mm x 90 mm 26 ton stations
Positions 21 & 24



For machines with
brush-table system

For Positions 21 and 24, 26 tons

	30	31	32	33	34	35	
90 x 90 24	76	68	60	56	52	48	44
	75	67	59	55	51	47	43
70 x 90 23	74	66	58	54	50	46	42
	73	65	57	53	49	45	41
70 x 90 22	72	64	20	16	12	8	4
	71	63	19	15	11	7	3
90 x 90 21	70	62	18	14	10	6	2
	69	61	17	13	9	5	1


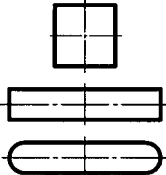
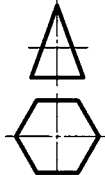
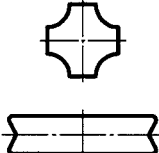
Shape Positions						
	Round	Square	Rect.	Obound	SF3	SF6
0°						
90°						
180°						
270°						



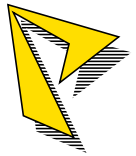
System
Salvagnini

Prices

90 mm x 90 mm
26 ton stations
P21 & P24

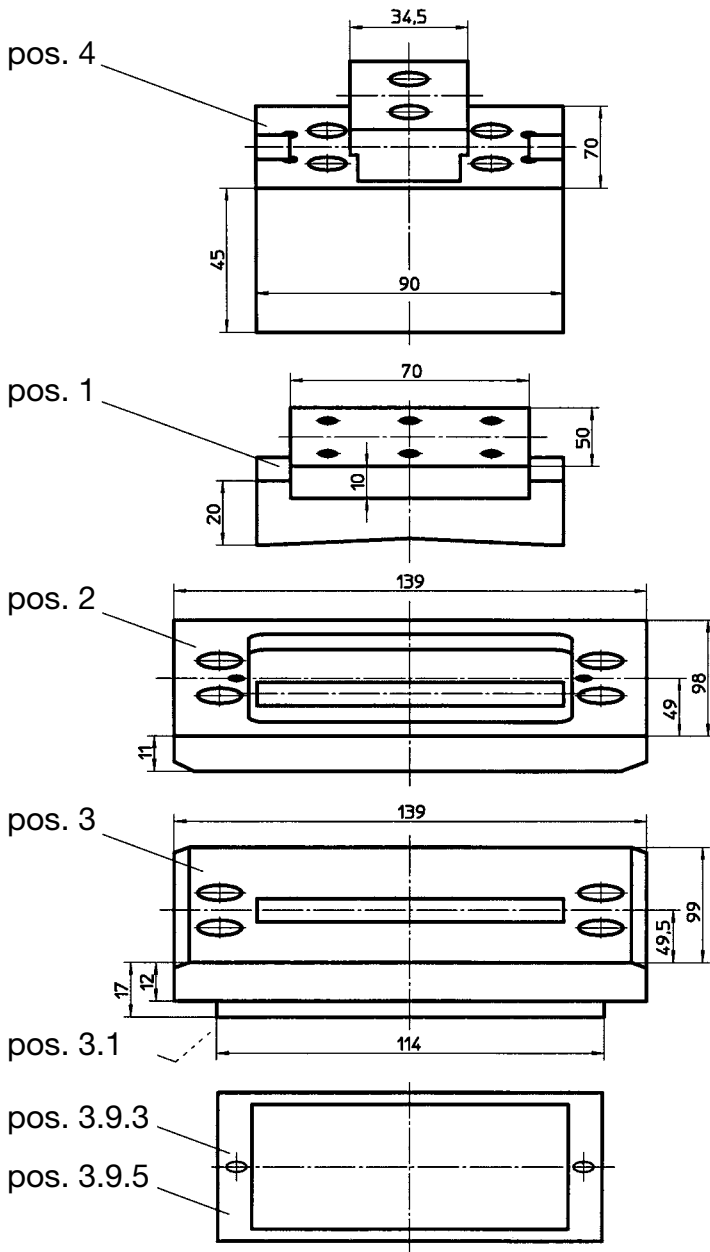
Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
1,2,3	Complete set	(p/n: 2W1L71)	(p/n: 2W1L70)	(p/n: 2W5L7G)	(p/n: 2W5L7E)
4	Punch holder	(p/n: 200L71)	(p/n: 200L71)	(p/n: 200L71)	(p/n: 200L71)
1	Punch	(p/n: 201L71)	(p/n: 201L70)	(p/n: 215L7G)	(p/n: 215L7E)
2	Stripper	(p/n: 210L71)	(p/n: 210L70)	(p/n: 217L7G)	(p/n: 217L7E)
3	Die - standard	(p/n: 206L71)	(p/n: 206L70)	(p/n: 216L7G)	(p/n: 216L7E)
3.1	Die - reinforced	(p/n: 209L71)	(p/n: 209L70)	(p/n: 216VL7G)	(p/n: 216VL7E)
3.9.3	Shim t=0,3	(p/n: 203A07)	(p/n: 203A07)	(p/n: 203A07)	(p/n: 203A07)
3.9.5	Shim t=0,5	(p/n: 205A07)	(p/n: 205A07)	(p/n: 205A07)	(p/n: 205A07)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+



System
Salvagnini

PASS - Standard Tools
70 mm x 90 mm 26 ton stations
Positions 21 - 24 (without 90 x 90)

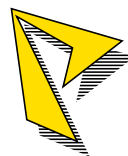


For machines with
brush-table system

For Positions 21 - 24, 26 tons

	30	31	32	33	34	35
70 x 90	76	68	60	56	52	48
24	75	67	59	55	51	47
70 x 90	74	66	58	54	50	46
23	73	65	57	53	49	45
70 x 90	72	64	20	16	12	8
22	71	63	19	15	11	7
70 x 90	70	62	18	14	10	6
21	69	61	17	13	9	5


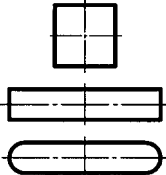
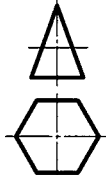
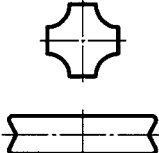
Shape Positions						
	Round	Square	Rect.	Obound	SF3	SF6
0°						
90°						
180°						
270°						



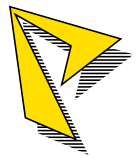
System
Salvagnini

Prices

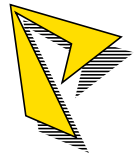
70 mm x 90 mm
26 ton stations
P21 & P24 (without 90 x 90)

Pos.	Tool Description	 Round	 Standard Shapes	 O.D. Ground Special Shapes	 EDM required Special Shapes
1,2,3	Complete set	(p/n: 2W1L81)	(p/n: 2W1L80)	(p/n: 2W5L8G)	(p/n: 2W5L8E)
4	Punch holder	(p/n: 200L81)	(p/n: 200L81)	(p/n: 200L81)	(p/n: 200L81)
1	Punch	(p/n: 201L81)	(p/n: 201L80)	(p/n: 215L8G)	(p/n: 215L8E)
2	Stripper	(p/n: 210L81)	(p/n: 210L80)	(p/n: 217L8G)	(p/n: 217L8E)
3	Die - standard	(p/n: 206L81)	(p/n: 206L80)	(p/n: 216L8G)	(p/n: 216L8E)
3.1	Die - reinforced	(p/n: 209L81)	(p/n: 209L80)	(p/n: 216VL8G)	(p/n: 216VL8E)
3.9.3	Shim t=0,3	(p/n: 203A08)	(p/n: 203A08)	(p/n: 203A08)	(p/n: 203A08)
3.9.5	Shim t=0,5	(p/n: 205A08)	(p/n: 205A08)	(p/n: 205A08)	(p/n: 205A08)

Punch Coating Options	
TIN (titanium-nitride)	+
TICN (titanium-carbon-nitrite)	+
Oxide coating	+

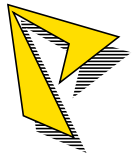


System
Salvagnini



System
Salvagnini

Specials



System

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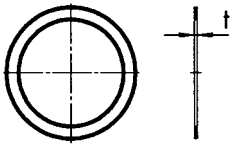
EXAMPLES OD Grind - Special shapes (shape number: G _ _)		
<p>G01</p>	<p>G02</p>	<p>G03</p>
<p>G04</p>	<p>G05</p>	<p>G06</p>
<p>G07</p>	<p>G08</p>	<p>G09</p>
<p>G10</p>	<p>G11</p>	<p><i>For other shapes not found here, please call.</i></p>

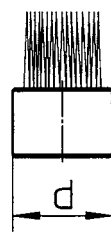


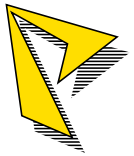
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EXAMPLES Sink-EDM - special shapes (shape number: E __)		
<p>E01</p>	<p>E02</p>	<p>E03</p>
<p>E04</p>	<p>E05</p>	<p>E06</p>
<p>E07</p>	<p>E08</p>	<p>E09</p>
<p>E10</p>	<p>E11</p>	<p><i>For other shapes not found here, please call.</i></p>

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Die shims for Tool System 3			
Thickness "t"	p/n	Price ea.	Shims for the 33 mm station 
shim set containing (5) of each 0.1 mm, 0.3 mm & 0.5 mm	S3U1KT		
(1) 0.1 mm (1) 0.3 mm (1) 0.5 mm	203A31 203A33 203A35		

Brush inserts for strippers, dies and cassettes			
O.D. "d"	p/n	Price ea.	
13 mm 8 mm	I-BRUSH13 I-BRUSH-8		



System

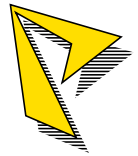
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More about us

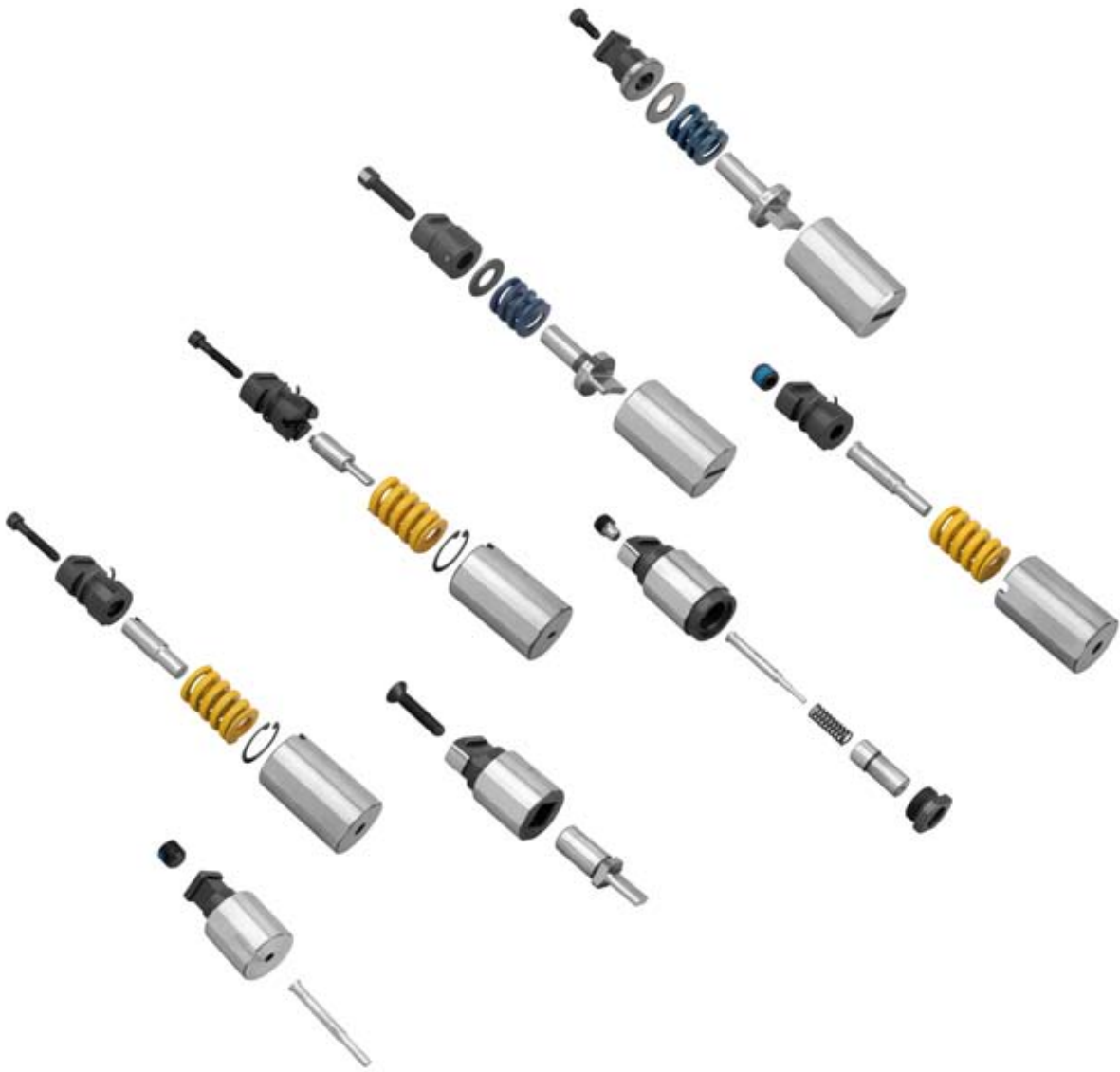
Since 1982, we have designed, manufactured and sold punch tooling, specializing in SALVAGNINI tool systems.

Therefore, if you have a tooling requirement not found in our catalog, please contact us and we can advise the best solution and provide an expedient quotation.

Our technical experts can quickly answer any questions you may have.



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PASS PUNCH & DIE, INC.

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P.O.Box 70

Phone

Phone outside the U.S.:

Fax

E-Mail

Web

Middleville, MI 49333

800-546-9340

269-795-9340

269-865-6200

sales@pass-us.com

www.pass-ag.com