



MSA	Reaming broach ø mm	Reaming base ø mm	Kg
13.100	3	4	0.600
13.100-4	4	4	"

Jewelling press with micrometric screw for rectifying endshakes, graduation 0.02 mm.

Capacity : 25 mm
Total height : 120 mm
Stand : 80 x 45 mm
Base : reaming ø 4 mm

ASSORTMENT



MSA	Use	Kg
13.111	With broach ø 3 mm	0.086
13.111-4	With broach ø 4 mm	"

Assortment N° 3 including 12 pump pushers and 6 stakes.



MSA	Reaming broach ø mm	Reaming base ø mm	Kg
13.101	3	4	1.130
13.101-4	4	4	"

Jewelling press with micrometric screw (graduation 0.02 mm) and lever for rectifying endshakes.

Capacity : 30 mm
Total height : 125 mm
Stand : 90 x 50 mm
Base : reaming ø 4 mm

ASSORTMENT



MSA	Use	Kg
13.113	With broach ø 3 mm	0.124
13.113-4	With broach ø 4 mm	"

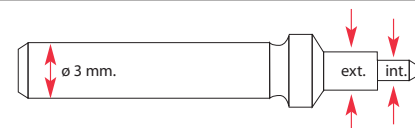
Assortment N° 2 including 15 pump pushers, 15 stakes, 1 set for the pallet-staff and 1 for pushing darts.

ASSORTMENT



MSA	Use	Kg
13.110	With broach ø 3 mm	0.039
13.110-4	With broach ø 4 mm	"

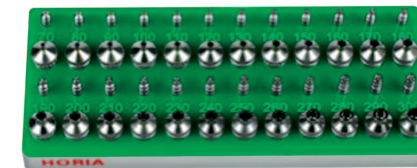
Assortment N° 1 including 8 pump pushers and 3 stakes.



MSA	Pump pusher n°	ø interior mm	ø exterior mm
13.120-3050	50	0.2	0.45
13.120-3060	60	0.4	0.55
13.120-3070	70	0.4	0.65
13.120-3080	80	0.4	0.75
13.120-3090	90	0.5	0.85
13.120-3100	100	0.5	0.95
13.120-3110	110	0.5	1.05
13.120-3120	120	0.5	1.15
13.120-3130	130	0.7	1.25
13.120-3140	140	0.7	1.35
13.120-3150	150	0.7	1.45
13.120-3160	160	0.7	1.55
13.120-3170	170	0.7	1.65
13.120-3180	180	0.7	1.75
13.120-3190	190	0.8	1.85
13.120-3200	200	0.8	1.95
13.120-3210	210	0.8	2.05
13.120-3220	220	0.8	2.15
13.120-3230	230	0.8	2.25
13.120-3240	240	0.8	2.35
13.120-3250	250	0.8	2.45
13.120-3260	260	0.8	2.55
13.120-3270	270	0.8	2.65
13.120-3280	280	0.8	2.75
13.120-3290	290	0.8	2.85
13.120-3300	300	0.8	2.95

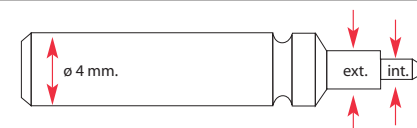
Pump pushers for ø 3 mm broaches of stone presses MSA 13.100 or 13.101.

ASSORTMENT



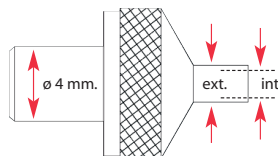
MSA	Use	Kg
13.112	With broach ø 3 mm	0.188
13.112-4	With broach ø 4 mm	"

Assortment N° 4 including 24 pump pushers and 24 stakes.



MSA	Pump pusher n°	ø interior mm	ø exterior mm
13.120-4050	50	0.2	0.45
13.120-4060	60	0.4	0.55
13.120-4070	70	0.4	0.65
13.120-4080	80	0.4	0.75
13.120-4090	90	0.5	0.85
13.120-4100	100	0.5	0.95
13.120-4110	110	0.5	1.05
13.120-4120	120	0.5	1.15
13.120-4130	130	0.7	1.25
13.120-4140	140	0.7	1.35
13.120-4150	150	0.7	1.45
13.120-4160	160	0.7	1.55
13.120-4170	170	0.7	1.65
13.120-4180	180	0.7	1.75
13.120-4190	190	0.8	1.85
13.120-4200	200	0.8	1.95
13.120-4210	210	0.8	2.05
13.120-4220	220	0.8	2.15
13.120-4230	230	0.8	2.25
13.120-4240	240	0.8	2.35
13.120-4250	250	0.8	2.45
13.120-4260	260	0.8	2.55
13.120-4270	270	0.8	2.65
13.120-4280	280	0.8	2.75
13.120-4290	290	0.8	2.85
13.120-4300	300	0.8	2.95

Pump pushers for ø 4 mm broaches for stone presses MSA 13.100-4 or 13.101-4.



MSA	Stake n°	ø interior mm	ø exterior mm
13.121-050	50	0.5	1.5
13.121-060	60	0.7	1.4
13.121-070	70	0.8	1.5
13.121-080	80	0.9	1.6
13.121-090	90	1.0	1.8
13.121-100	100	1.1	1.9
13.121-110	110	1.2	2.0
13.121-120	120	1.3	2.1
13.121-130	130	1.4	2.2
13.121-140	140	1.5	2.4
13.121-150	150	1.6	2.5
13.121-160	160	1.7	2.7
13.121-170	170	1.8	2.9

MSA	Stake n°	ø interior mm	ø exterior mm
13.121-180	180	1.9	3.0
13.121-190	190	2.0	3.2
13.121-200	200	2.1	3.3
13.121-210	210	2.2	3.4
13.121-220	220	2.3	3.5
13.121-230	230	2.4	3.6
13.121-240	240	2.5	3.8
13.121-250	250	2.6	4.0
13.121-260	260	2.7	4.1
13.121-270	270	2.8	4.2
13.121-280	280	2.9	4.3
13.121-290	290	3.0	4.4
13.121-300	300	3.1	4.5

Stakes for ø 4 mm broaches for jewellery presses MSA 13.100, 13.100-4, 13.101 and 13.101-4.

ASSORTMENT



MSA	Use	Kg
13.122	With MSA 13.100/13.101 (broach ø 3 mm)	0.002
13.122-4	With MSA 13.100-4/13.101-4 (broach ø 4 mm)	"

Assortment of 1 pump pusher and 1 stake for **pallet-staff**.

Replacement parts :

MSA	Elements
13.122-P	Pump pusher for broach ø 3 mm
13.122-P4	Pump pusher for broach ø 4 mm
13.122-T4	Stake ø 4 mm for pallet-staff

ASSORTMENT



MSA	Use	Kg
13.123	With MSA 13.100/13.101 (broach ø 3 mm)	0.002
13.123-4	With MSA 13.100-4/13.101-4 (broach ø 4 mm)	"

Assortment of 1 pump pusher and 1 stake for **pushing darts**.

Replacement parts :

MSA	Elements
13.123-P	Pump pusher for broach ø 3 mm
13.123-P4	Pump pusher for broach ø 4 mm
13.123-T4	Stake ø 4 mm for pushing darts

» Original STAR precision presses for riveting pinions and pushing stones ; all accessories delivered separately. See details on pages 13 6, 13 7 and 13 8.



MSA	Version	Size mm	Kg
13.201	With 105 punchers, 25 stakes, 12 single pushers, 15 reamers, 2 burs, 6 pump pushers	235 x 260 x 140	5.960

Original STAR precision press. **Varnished** press for riveting pinions and pushing stones. Delivered with a **micrometric adjusting lever** ; it also allows you to work in the middle of the plate. Dual use of the stand : with stakes or with punchers allowing height adjustment. Delivered in a wooden box with **1 adjustable micrometric base**, punchers, stakes, pushers, reamers, hardened steel burs.

» Original STAR precision presses for riveting pinions ; all accessories delivered separately. See details on pages 13 6, 13 7 and 13 8.



MSA	Version	Size mm	Kg
13.306	With 105 punchers and 20 stakes	240 x 220 x 140	5.050
13.304	With 120 punchers and 24 stakes	"	5.090
13.305 (Pict.)	With 102 punchers, 24 stakes and 18 burs	"	5.100

Original STAR precision nickel-plated press for riveting the pinions. Dual use of the stand : with stakes or with punchers allowing height adjustment. Delivered in a wooden box with **1 adjustable micrometric base**, punchers, stakes and hardened steel burs.

Ⓢ Original STAR precision press for riveting pinions ; all accessories delivered separately.
See details on pages 13 6, 13 7 and 13 8.



MSA	Version	Size mm	Kg
13.300	With 24 punches and 4 stakes	200 x 145 x 130	1.955
13.301	With 50 punches and 14 stakes	"	2.400
13.302	With 105 punches and 20 stakes (Pict.)	"	2.565

Original STAR precision nickel-plated press for riveting the pinions.
vDelivered in a wooden box with punches and hardened steel stakes.



Replacement hardened steel punches (body ø 4.70 mm), for original STAR riveting presses :

MSA	Nr.	Type	ø mm	ø hole
13.310-001	001	Centre point		
13.310-016	016	Enlarging arms of balance stuff		
13.310-019	019	Chisel		
13.310-023	023	Flat		4.50
13.310-024	024	"		4.00
13.310-025	025	"		3.70
13.310-026	026	"		3.30
13.310-027	027	"		3.00
13.310-028	028	"		2.70
13.310-029	029	"		2.30
13.310-030	030	"		2.00
13.310-031	031	"		1.70
13.310-032	032	"		1.50
13.310-033	033	"		1.20
13.310-034	034	"		1.00

MSA	Nr.	Type	ø mm	ø hole
13.310-035	035	Round		4.50
13.310-036	036	"		4.00
13.310-037	037	"		3.70
13.310-038	038	"		3.30
13.310-039	039	"		3.00
13.310-040	040	"		2.70
13.310-041	041	"		2.30
13.310-042	042	"		2.00
13.310-043	043	"		1.70
13.310-044	044	"		1.50
13.310-045	045	"		1.20
13.310-046	046	"		1.00
13.310-047	047	Crossed hole pierced		2.80 1.20
13.310-048	048	" "		2.50 1.00
13.310-049	049	" "		2.20 0.80
13.310-050	050	" "		1.80 0.60
13.310-051	051	" "		1.50 1.00
13.310-052	052	" "		1.20 0.40
13.310-053	053	Hole angled at 45° (2 to 3/10)		2.80 1.20
13.310-054	054	" "		2.50 1.00
13.310-055	055	" "		2.20 0.80
13.310-056	056	" "		1.80 0.60
13.310-057	057	" "		1.50 0.50
13.310-058	058	" "		1.20 0.40

MSA	Nr.	Type	ø mm	ø hole
13.310-065	065	Flat, pierced		4.50 2.20
13.310-066	066	" "		4.00 2.00
13.310-067	067	" "		3.70 1.70
13.310-068	068	" "		3.30 1.50
13.310-068A	068A	" "		3.10 1.30
13.310-069	069	" "		3.00 1.20
13.310-069A	069A	" "		2.85 1.10
13.310-070	070	" "		2.70 1.00
13.310-070A	070A	" "		2.50 0.90
13.310-071	071	" "		2.30 0.80
13.310-072	072	" "		2.00 0.70
13.310-073	073	" "		1.70 0.60
13.310-074	074	" "		1.50 0.50
13.310-075	075	" "		1.20 0.40
13.310-076	076	" "		1.00 0.30
13.310-077	077	Cylinder pierced		4.50 1.50
13.310-079	079	" "		4.50 1.20
13.310-081	081	" "		4.50 1.00
13.310-083	083	" "		4.50 0.80
13.310-084	084	" "		4.50 0.70
13.310-085	085	" "		4.50 0.60
13.310-086	086	Concave, pierced		3.50 1.20
13.310-087	087	" "		3.20 1.10
13.310-088	088	" "		3.00 1.00
13.310-089	089	" "		2.80 0.90
13.310-090	090	" "		2.40 0.80
13.310-091	091	" "		2.20 0.70
13.310-092	092	" "		1.80 0.60
13.310-093	093	" "		1.60 0.50
13.310-094	094	" "		1.40 0.40
13.310-095	095	Ellipse, pierced		4.00 1.50
13.310-097	097	" "		2.50 1.10
13.310-099	099	Domed, pierced		4.50 2.20
13.310-100	100	" "		4.00 2.00
13.310-101	101	" "		3.70 1.70
13.310-102	102	" "		3.30 1.50
13.310-102A	102A	" "		3.10 1.30
13.310-103	103	" "		3.00 1.20
13.310-103A	103A	" "		2.85 1.10
13.310-104	104	" "		2.70 1.00
13.310-104A	104A	" "		2.50 0.90
13.310-105	105	" "		2.30 0.80
13.310-106	106	" "		2.00 0.70
13.310-107	107	" "		1.70 0.60
13.310-108	108	" "		1.50 0.50
13.310-109	109	" "		1.20 0.40
13.310-110	110	" "		1.00 0.30

MSA	Nr.	Type	ø mm	ø hole
13.310-111	111	Screw remover		1.50
13.310-112	112	" "		1.20
13.310-113	113	" "		1.00
13.310-114	114	" "		0.90
13.310-115	115	" "		0.80
13.310-116	116	" "		0.70
13.310-117	117	" "		0.60
13.310-118	118	" "		0.50
13.310-118A	118A	" "		0.45
13.310-119	119	Hollow, drilled		3.50 1.20
13.310-120	120	" "		3.20 1.10
13.310-121	121	" "		3.00 1.00
13.310-123	123	" "		2.40 0.80
13.310-125	125	" "		1.80 0.60
13.310-126	126	" "		1.40 0.40
13.310-127	127	Pointed		2.30 1.90
13.310-128	128	" "		2.10 1.70
13.310-129	129	" "		1.90 1.50
13.310-130	130	" "		1.60 1.20
13.310-130A	130A	" "		1.50 1.10
13.310-131	131	" "		1.40 1.00
13.310-131A	131A	" "		1.30 0.90
13.310-132	132	" "		1.20 0.80
13.310-132A	132A	" "		1.10 0.70
13.310-133	133	Triangular		3.20
13.310-134	134	" "		2.20
13.310-135	135	" "		1.20
13.310-136	136	X shape open-end		3.00 1.20

Replacement brass punches (body ø 4.70 mm), for original STAR riveting presses:

MSA	Nr.	Type	ø mm	ø hole
13.310-139	139	Flat		4.00
13.310-140	140	"		3.00
13.310-141	141	"		1.70
13.310-142	142	Flat, pierced		3.00 1.20
13.310-143	143	" "		2.00 0.70
13.310-144	144	" "		1.20 0.40

Replacement hardened steel wheel countersinks, for original STAR riveting presses :

MSA	Type	Countersinks ø mm
13.313-185	Wheel	1.85
13.313-210	"	2.10
13.313-235	"	2.35
13.313-300	"	3.00
13.313-380	"	3.80
13.313-410	"	4.10

Replacement hardened steel pivot countersinks, for original STAR riveting presses :

MSA	Nr.	Type	Countersinks ø mm	Pivot ø mm
13.312-01	01	For pivots	3.50	1.50
13.312-02	02	"	3.50	1.30
13.312-03	03	"	3.20	1.20
13.312-04	04	"	3.00	1.00
13.312-05	05	"	2.70	0.90
13.312-06	06	"	2.70	0.80
13.312-07	07	"	2.00	0.80
13.312-08	08	"	2.00	0.70
13.312-09	09	"	1.70	0.60
13.312-10	10	"	1.40	0.50
13.312-11	11	"	1.20	0.40
13.312-12	12	"	1.00	0.30

Replacement hardened steel stakes (axle ø 4 mm), for original STAR riveting presses :

MSA	Nr.	Type	ø ext. mm	ø hole mm
13.311-01	01	Flat	9.00	
13.311-02	02	"	4.50	
13.311-03	03	"	3.50	
13.311-04	04	"	2.50	
13.311-05	05	"	1.00	
13.311-06	06	Flat/pierced	6.00	2.00
13.311-07	07	" "	4.70	1.50
13.311-08	08	" "	3.50	1.00
13.311-09	09	" "	2.50	0.70
13.311-10	10	" "	2.00	0.40
13.311-11	11	Flat/drilled	4.70	1.30
13.311-12	12	" "	3.50	1.00
13.311-13	13	Domed	4.50	
13.311-14	14	"	3.50	
13.311-15	15	"	2.50	
13.311-16	16	"	1.50	
13.311-17	17	Hollow	9.00	2.00
13.311-18	18	"	6.00	2.00
13.311-19	19	"	4.70	1.50
13.311-20	20	"	4.00	
13.311-21	21	"	3.00	
13.311-22	22	"	2.50	
13.311-23	23	"	2.00	

Replacement brass stakes (axle ø 4 mm), for original STAR riveting presses :

MSA	Nr.	Type	ø ext. mm
13.311-24	24	Flat	9.00

Assortment INCABLOC®.

ASSORTMENT



MSA	Size mm	Kg
13.153	70 x 34 x 20	0.031

Assortment INCABLOC® of 7 stakes and 6 pushers with an **axle ø 4 mm** compatible with the presses illustrated on pages 13 2 to 13 6.

Delivered on a plastic base with transparent lid.

Contents :

Stakes :		Pushers :	
ø ext. mm	ø hole mm	ø ext. mm	ø hole mm
1.60	1.20	1.60	1.20
2.00	1.60	1.90	1.40
2.30	1.90	2.00	1.60
2.50	2.00	2.50	1.90
3.00	2.50	3.00	2.40
3.50	3.00	3.50	2.80
4.00	3.50		

KIF® spring tools.



MSA	ø mm	Size mm	Kg
13.150	1.60 (1)	ø 2 x 25	0.001
13.151	1.90 (2)	"	"
13.152	2.10 (3)	"	"

Spring tool for assembling/disassembling KIF® Trior.

➤ Other compatible accessories with all original STAR riveting presses are illustrated on pages 02 5, 22 2, 22 3 and 22 5.