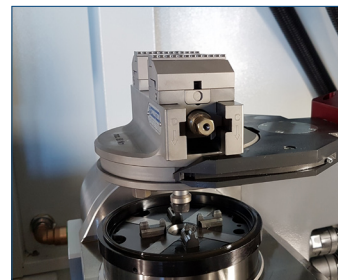
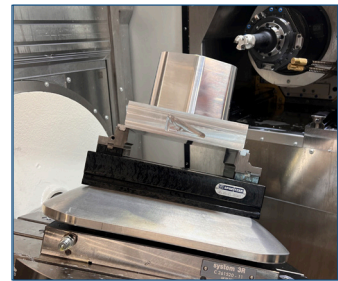
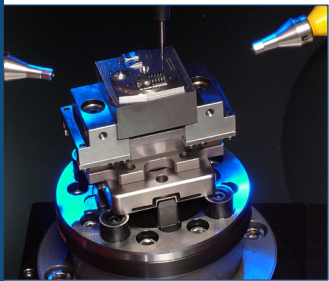
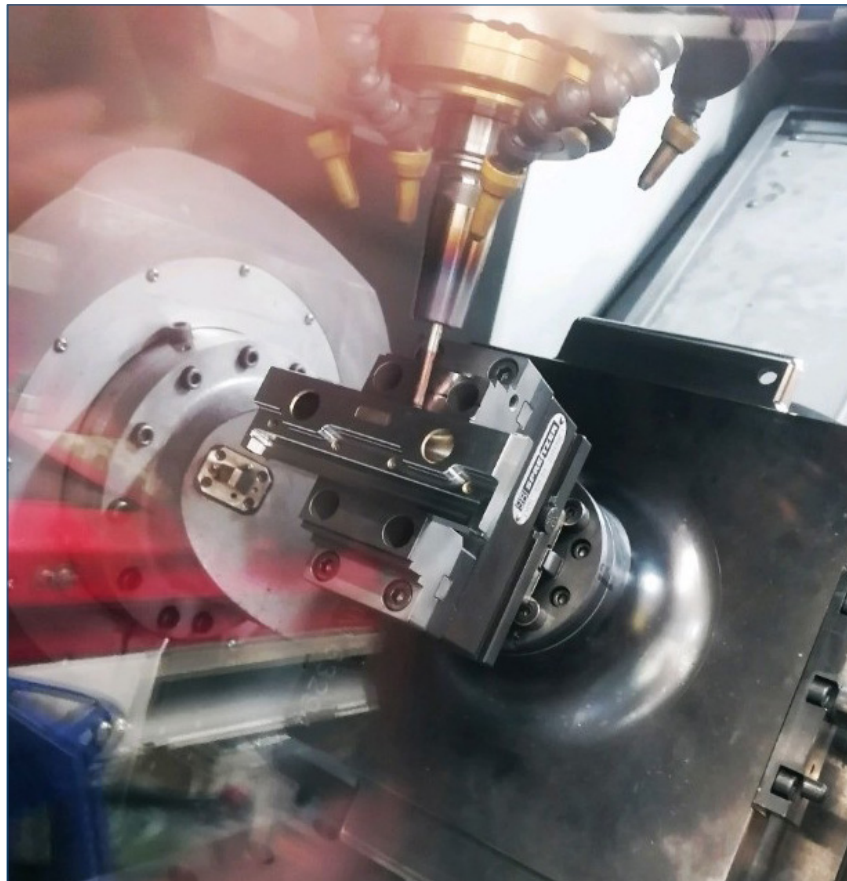
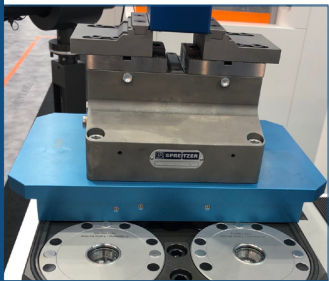


Workholding for Zero-Point Clamping Systems & Pallet Automation



EROWA
HIRSCHMANN
SYSTEM 3R
PAROTEC

High price and cost pressure, ever shorter delivery times, small batch sizes with simultaneously high quality requirements. Only with increased flexibility, quality and productivity can manufacturers hold their own in global competition.

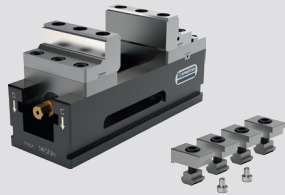
We are happy to help – with our **innovative clamping solutions for your modern production.**

We will show you how you can manufacture faster and more accurately by choosing the right clamping reduce set-up times and tool costs, and increase your productivity. **Clamping solutions for modern machining centers**

Our centric clamps, compact clamps, double clamps and alternative clamping technology components have been regarded for years as innovative and powerful solutions on state-of-the-art machining centers.

Mechanical centric clamps & compact clamps

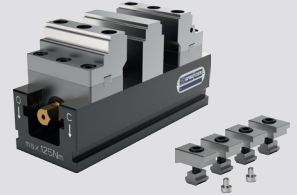
- Wide range of sizes and designs
- Powerful clamping
- Secure clamping, without pre-stamping
- Compact design



[Product catalog 2](#)

Mechanical double clamps & multiple clamping systems

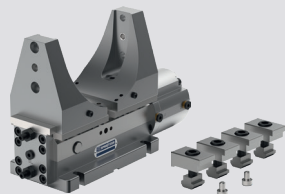
- Clamping of two workpieces
- Large clamping range due to top reversible jaws
- Highest flexibility



[Product catalog 2](#)

Power-operated centric clamps & compact clamps

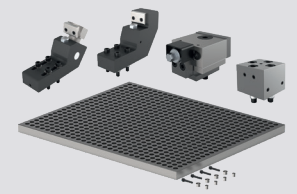
- Pneumatic / Hydraulic / Electro-mechanical
- Short clamping time, automation capable
- High clamping accuracy



[Product catalog 2](#)

Clamping plates & grid plates

- Modular clamping system
- Maximum flexibility
- Single clamping, multiple clamping



[Product catalog 1](#)

Mechanical zero point clamping system ZPS

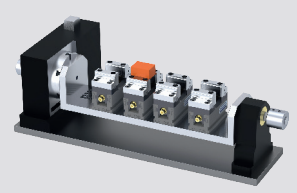
- Quick changeover, changeover
- High repeatability
- Positioning / clamping in one operation



[Product catalog 2](#)

Clamping bridges for CNC rotary tables

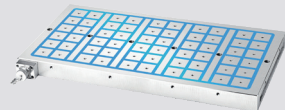
- Multi-sided machining
- Multiple clamping
- Can be retrofitted at any time



[Product catalog 2](#)

Electro-permanent magnetic chucks

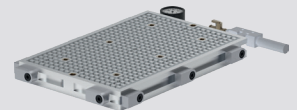
- Force generation by current pulse
- Extreme holding forces
- Deformation-free clamping



[Product catalog 9](#)

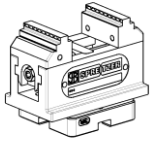
Vacuum chucks

- Efficient and universal
- Modularly expandable
- Clamping of flat components



[Product catalog 10](#)

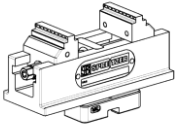
For further information and clamping technique variants, see Product catalogue.

1 Mechanical centre-clamping vise MZR 80-36 / System 3R Macro 54


Jaw width: 36 mm Clamping width: 59 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-651.7E-P

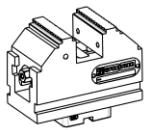
B809500412

2 Mechanical centre-clamping vise MZR 120-36 / System 3R Macro 54


Jaw width: 36 mm Clamping width: 99 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-651.7E-P

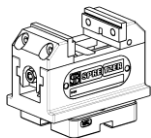
B809500560

3 Mechanical centre-clamping vise MZR 120-60 / System 3R Macro 54


Jaw width: 60 mm Clamping width: 86 mm
 Clamping force: 30.000 mm

Order Number Type: 3R-651.7E-P

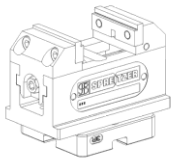
B809500414

4 Mechanical centre-clamping vise MZE 80-36 / System 3R Macro 54


Jaw width: 36 mm Clamping width: 40 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-651.7E-P

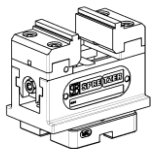
B809500002

5 Mechanical centre-clamping vise MZE 80-36 VA / System 3R Macro 54


Jaw width: 36 mm Clamping width: 40 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-651.7E-P

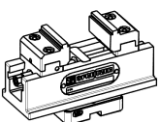
B809500357

6 Mechanical centre-clamping vise MZU 80-36 / System 3R Macro 54


Jaw width: 36 mm Clamping width: 78 / 70 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-651.7E-P

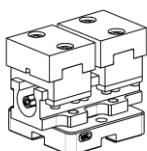
B809500363

7 Mechanical centre-clamping vise MZU 120-36 / System 3R Macro 54


Jaw width: 36 mm Clamping width: 118 / 110 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-651.7E-P

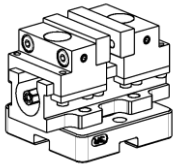
B809500473

8 Mechanical centre-clamping vise MZS 70-36 A / System 3R Macro 54


Jaw width: 36 mm Clamping width: 70 mm
 Clamping force: 10.000 mm

Order Number Type: 3R-651.7E-N

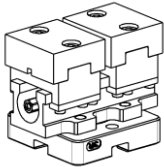
B809500500

9 Mechanical centre-clamping vise MZS 70-36 B / System 3R Macro 54


Jaw width: 36 mm Clamping width: 30 mm
 Clamping force: 10.000 mm

Order Number Type: 3R-651.7E-P

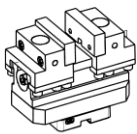
B809500024

10 Mechanical centre-clamping vise MZS 70-36 A / System 3R Macro 54


Jaw width: 36 mm Clamping width: 70 mm
 Clamping force: 10.000 mm

Order Number Type: 3R-651.7E-P

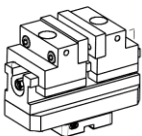
B809500023

11 Mechanical centre-clamping vise MZS 100-50 B / System 3R Macro 54


Jaw width: 52 mm Clamping width: 43 mm
 Clamping force: 12.000 mm

Order Number Type: 3R-651.7E-P

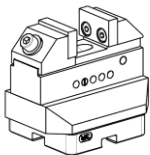
B809500541

12 Mechanical centre-clamping vise MZS 120-60 B / System 3R Macro 54


Jaw width: 60 mm Clamping width: 57 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-651.7E-P

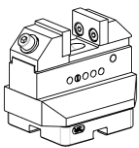
B809500391

13 Precision vise N 25 S / System 3R Macro 54


Jaw width: 25 mm Clamping width: 23 mm

Order Number Type: 3R-651.7E-P

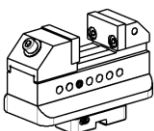
B809500087

14 Precision vise N 25 S / System 3R Macro 54


Jaw width: 25 mm Clamping width: 23 mm

Order Number Type: 3R-651.7E-N

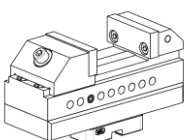
B809500488

15 Precision vise N 36 S / System 3R Macro 54


Jaw width: 36 mm Clamping width: 43 mm

Order Number Type: 3R-651.7E-P

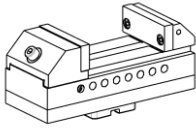
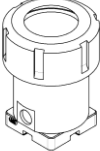
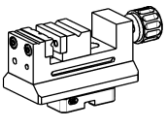
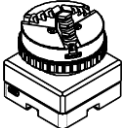
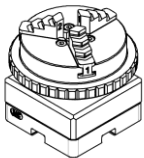
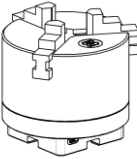
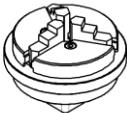
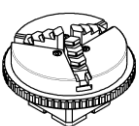
B809500470

16 Precision vise N 50 S / System 3R Macro 54


Jaw width: 50 mm Clamping width: 63 mm

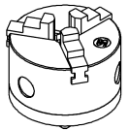
Order Number Type: 3R-651.7E-P

B809500109

17	Precision vise N 75 S / System 3R Macro 54	Jaw width: 75 mm	Clamping width: 95 mm
	Order Number B809500361	Type: 3R-651.7E-P	
18	Collet chuck ER 50-3R / System 3R Macro 54	Ø D: 78 mm	Spannbereich: Ø 6 - 34 mm
	Order Number B809500542	Type: 3R-651.7E-P	
19	Mini precision vise MP 35 VA / System 3R Macro 54	Jaw width: 35 mm	Clamping width: 34,5 mm
	Order Number B809500525	Type: 3R-651.7E-P	
20	Clamping chuck DBF 55 VA / System 3R Macro 54	Ø D: 55 mm	Clamping range Outside clamping: 0 - 44 mm Internal clamping: 12 - 48 mm
	Order Number B809500524	Type: 3R-651.7E-P	
21	Clamping chuck DBF 63 VA / System 3R Macro 54	Ø D: 63 mm	Clamping range Outside clamping: 0 - 56 mm Internal clamping: 12 - 56 mm
	Order Number B809500404	Type: 3R-651.7E-P	
22	Clamping chuck DBF 80 / System 3R Macro 54	Ø D: 80 mm mm	Clamping range Outside clamping: 2 - 71 mm Internal clamping: 22 - 69 mm
	Order Number B809500065	Type: 3R-651.7E-P	
23	Clamping chuck DBF 85 / System 3R Macro 54	Ø D: 85 mm	Clamping range Outside clamping: 1 - 81 mm Internal clamping: 31 - 70 mm
	Order Number B809500471	Type: 3R-651.7E-P	
24	Clamping chuck DBF 100 VA / System 3R Macro 54	Ø D: 100 mm	Clamping range Outside clamping: 0 - 100 mm Internal clamping: 20 - 100 mm
	Order Number B809500393	Type: 3R-651.7E-P	

25

Clamping chuck DBF 100 / System 3R Macro 54



\varnothing D: 100 mm Clamping range
 mm Outside clamping: 3 - 83 mm
 Internal clamping: 25 - 87 mm

Order Number

Type: 3R-651.7E-P

B809500362

26

Permanent Magnetic Chuck SPRNF 8 / System 3R Macro 54



Nominal holding force: 80 N/cm² Magnetic field height: 4 mm
 Diameter \varnothing : 80 mm Height: 50 mm

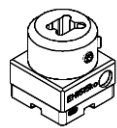
Order Number

Type: 3R-651.7E-P

B809500484

27

Round electrode holder for reference pallets EH1515ko / System 3R Macro 54



\varnothing D: 50 mm Length: 55 mm
 Width: 55 mm Spannbereich: 16 x 16 mm

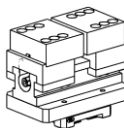
Order Number

Type: 3R-651.7E-P

B809500399

28

Mechanical centre-clamping vise MZS 120-60 A / System 3R Macro 70



Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 16.000 mm

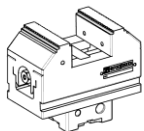
Order Number

Type: 3R-601.7E-P

B809500438

29

Mechanical centre-clamping vise MZR 150-80 / System 3R Macro 70



Jaw width: 80 mm Clamping width: 108 mm
 Clamping force: 40.000 mm

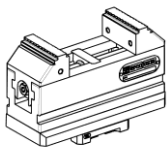
Order Number

Type: 3R-601.7E-P

B809500494

30

Mechanical centre-clamping vise MZR 170-60 / System 3R Macro 70



Jaw width: 60 mm Clamping width: 136 mm
 Clamping force: 30.000 mm

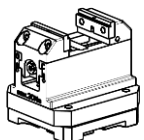
Order Number

Type: 3R-601.7E-P

B809500420

31

Mechanical centre-clamping vise MZE 80-36 VA / System 3R Macro 70



Jaw width: 36 mm Clamping width: 40 mm
 Clamping force: 16.000 mm

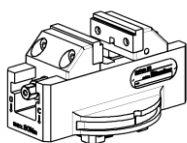
Order Number

Type: 3R-601.7E-P

B809500501

32

Mechanical centre-clamping vise MZE 170-60 PA / System 3R Macro 70

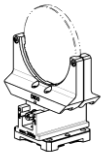


Jaw width: 60 mm Clamping width: 90 mm
 Clamping force: 30.000 mm

Order Number

Type: 3R-601.7E-P

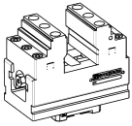
B809500490

33 Mechanical centre-clamping vise MZU 80-36 / System 3R Macro 70


Jaw width: 36 mm Clamping width: 30 mm
 Clamping force: 16.000 mm

Order Number Type: 3R-601.7E-P

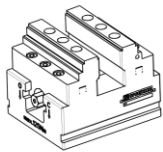
B809500370

34 Mechanical centre-clamping vise MZU 150-80 / System 3R Macro 70


Jaw width: 80 mm Clamping width: 112 / 140 mm
 Clamping force: 40.000 mm

Order Number Type: 3R-601.7E-P

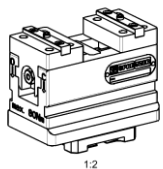
B809500522

35 Mechanical centre-clamping vise MZU 150-125 / System 3R Macro 70


Jaw width: 125 mm Clamping width: 112 / 140 mm
 Clamping force: 40.000 mm

Order Number Type: 3R-601.7E-P

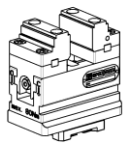
B809500523

36 Mechanical centre-clamping vise MZU 170-60 O / System 3R Macro 70


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm

Order Number Type: 3R-601.7E-P

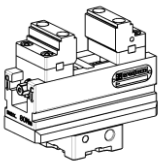
B809500411

37 Mechanical centre-clamping vise MZU 170-60 / System 3R Macro 70


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm

Order Number Type: 3R-601.7E-P

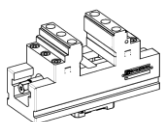
B809500410

38 Mechanical centre-clamping vise MZU 170-60 / System 3R Macro 70


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm

Order Number Type: 3R-601.7E-P

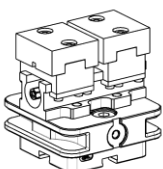
B809500367

39 Mechanical centre-clamping vise MZU 220-80 / System 3R Macro 70


Jaw width: 80 mm Clamping width: 180 / 210 mm
 Clamping force: 40.000 mm

Order Number Type: 3R-601.7E-P

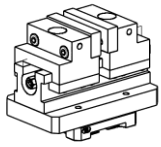
B809500517

40 Mechanical centre-clamping vise MZS 70-36 A / System 3R Macro 54


Jaw width: 36 mm Clamping width: 70 mm
 Clamping force: 10.000 mm

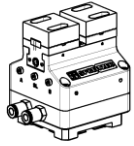
Order Number Type: 3R-651.7E-P

B809500366

41 Mechanical centre-clamping vise MZS 120-60 B / System 3R Macro 70


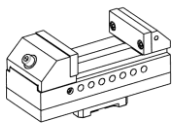
Jaw width: 60 mm Clamping width: 57 mm
 Clamping force: 16.000 mm
 Type: 3R-601.7E-P

Order Number
 B809500382

42 Pneumatic centre-clamping vise PZS2 80-36 / System 3R Macro 70


Jaw width: 36 mm Clamping width: 80 mm
 Clamping force: 6.500 mm
 Type: 3R-601.7E-P

Order Number
 B809500593

43 Precision vise N 75 S / System 3R Macro 70


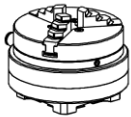
Jaw width: 75 mm Clamping width: 95 mm

Order Number Type: 3R-601.7E-P
 B809500333

44 Three-jaw chucks DBF-PH 125 / System 3R Macro 70

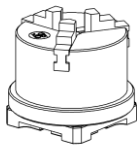

Clamping range 3 - 125 mm
 Clamping force: 24.000 mm
 Type: 3R-601.7E-P

Order Number
 B809500598

45 Three-jaw chucks DBF-PQ / System 3R Macro 70


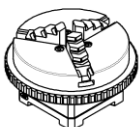
Hydraulic: 7.900 N Clamping range
 Pneumatic: 3.100 N Outside clamping: 3 - 101 mm
 Internal clamping: 0 - 101 mm
 Type: 3R-601.7E-P

Order Number
 B809500594

46 Clamping chuck DBF 80 / System 3R Macro 70


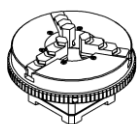
Ø D: 80 mm Clamping range
 mm Outside clamping: 2 - 71 mm
 Internal clamping: 22 - 69 mm
 Type: 3R-601.7E-P

Order Number
 B809500332

47 Clamping chuck DBF 100 VA / System 3R Macro 70


Ø D: 104 mm Clamping range
 Outside clamping: 0 - 100 mm
 Internal clamping: 20 - 100 mm
 Type: 3R-601.7E-P

Order Number
 B809500079

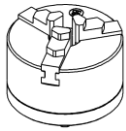
48 Clamping chuck DBF 140 VA / System 3R Macro 70


Ø D: 140 mm Clamping range
 Outside clamping: 0 - 134 mm
 Internal clamping: 24 - 128 mm
 Type: 3R-601.7E-P

Order Number
 B809500531

49

Clamping chuck DBF 125 / System 3R Macro 70



Ø D: 125 mm

Clamping range

Outside clamping: 3 - 65 mm

Internal clamping: 0 - 125 mm

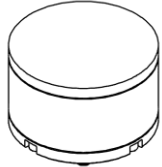
Order Number

Type: 3R-601.7E-P

B809500390

50

Permanent Magnetic Chuck SPNF / System 3R Macro 70



Ø D: 125 mm

Nominal holding force: 180 N/cm²

Pole pitch: 2,0 + 4,0 mm

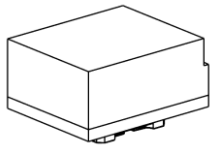
Order Number

Type: 3R-601.7E-P

B809500334

51

Permanent magnetic clamping plate SPNM 1210 / System 3R Macro 70



Nominal holding force: 100 N/cm²

Magnetic field height: 5 mm

Length: 120 mm

Width: 100 mm

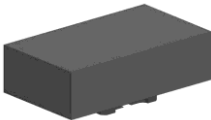
Order Number

Type: 3R-601.7E-P

B809500406

52

Permanent magnetic clamping plate SPNM 1710 / System 3R Macro 70



Nominal holding force: 100 N/cm²

Magnetic field height: 5 mm

Length: 175 mm

Width: 100 mm

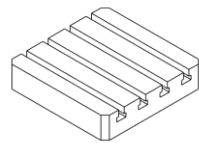
Order Number

Type: 3R-601.7E-P

B809500398

53

T-Slot Plate T - Nutenplatte / System 3R Macro 70



Material: Aluminum

Finish: Anodized

Length: 180 mm

Width: 180 mm

Order Number

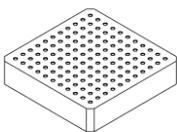
Type: 3R-601.7E-P

T-Nut: 10 H7

B809500127

54

Threaded plate Gewindeplatte / System 3R Macro 70



Material: Aluminum

Finish: Anodized

Length: 180 mm

Width: 180 mm

Order Number

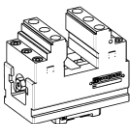
Type: 3R-601.7E-P

Raster: 20 - M6

B809500120

55

Mechanical centre-clamping vise MZU 150-80 / System 3R Macro 70



Jaw width: 80 mm

Clamping width: 112 / 140 mm

Clamping force: 40.000 mm

Width:

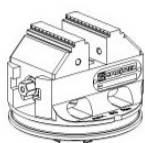
Order Number

Type: 3R-601.7E-P

B809500522

56

Mechanical centre-clamping vise MZR 120-60 PA / System 3R Macro 75



Jaw width: 60 mm

Clamping width: 86 mm

Clamping force: 30.000 mm

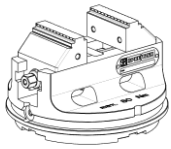
Order Number

Type: 3R-651.75E-P

B809500502

57

Mechanical centre-clamping vise MZR 160-60 PA / System 3R Macro Magnum



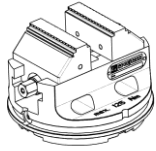
Jaw width: 60 mm Clamping width: 126 mm
Clamping force: 30.000 mm

Order Number Type: 3R-681.71

B809500423

58

Mechanical centre-clamping vise MZR 160-80 PA / System 3R Macro Magnum



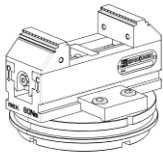
Jaw width: 80 mm Clamping width: 126 mm
Clamping force: 40.000 mm

Order Number Type: 3R-681.71

B809500519

59

Mechanical centre-clamping vise MZR 170-60 / System 3R Macro Magnum



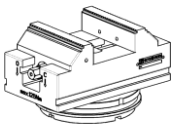
Jaw width: 60 mm Clamping width: 136 mm
Clamping force: 30.000 mm

Order Number Type: 3R-681.51-SA

B809500448

60

Mechanical centre-clamping vise MZR 220-125 / System 3R Macro Magnum



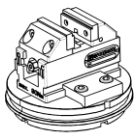
Jaw width: 125 mm Clamping width: 178 mm
Clamping force: 40.000 mm

Order Number Type: 3R-681.51-SA

B809500514

61

Mechanical centre-clamping vise MZE 120-60 / System 3R Macro Magnum



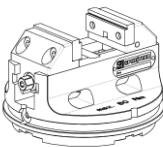
Jaw width: 60 mm Clamping width: 40 mm
Clamping force: 30.000 mm

Order Number Type: 3R-681.51-SA

B809500510

62

Mechanical centre-clamping vise MZE 160-60 PA / System 3R Macro Magnum



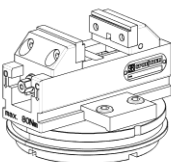
Jaw width: 60 mm Clamping width: 80 mm
Clamping force: 30.000 mm

Order Number Type: 3R-681.71

B809500424

63

Mechanical centre-clamping vise MZE 170-60 / System 3R Macro Magnum



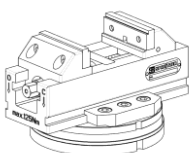
Jaw width: 60 mm Clamping width: 90 mm
Clamping force: 30.000 mm

Order Number Type: 3R-681.51-SA

B809500138

64

Mechanical centre-clamping vise MZE 220-80 / System 3R Macro Magnum

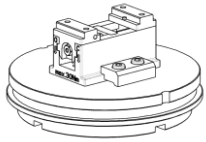


Jaw width: 80 mm Clamping width: 130 mm
Clamping force: 40.000 mm

Order Number Type: 3R-681.51-SA

B809500140

65

Mechanical centre-clamping vise MZU 80-36 / System 3R Macro Magnum


Jaw width: 36 mm Clamping width: 78 / 70 mm
 Clamping force: 16.000 mm
 Type: 3R-681.51-SA

Order Number

B809500536

66

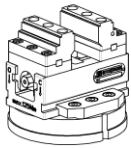
Mechanical centre-clamping vise MZU 80-36 / System 3R Macro Magnum


Jaw width: 36 mm Clamping width: 30 mm
 Clamping force: 16.000 mm
 Type: 3R-681.51-SA

Order Number

B809500364

67

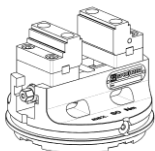
Mechanical centre-clamping vise MZU 150-80 / System 3R Macro Magnum


Jaw width: 80 mm Clamping width: 112 / 140 mm
 Clamping force: 40.000 mm
 Type: 3R-681.51-SA

Order Number

B809500507

68

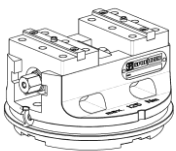
Mechanical centre-clamping vise MZU 160-60 PA / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 30.000 mm
 Type: 3R-681.71

Order Number

B809500425

69

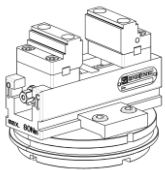
Mechanical centre-clamping vise MZU 160-80 PA / System 3R Macro Magnum


Jaw width: 80 mm Clamping width: 120 mm
 Clamping force: 40.000 mm
 Type: 3R-681.71

Order Number

B809500520

70

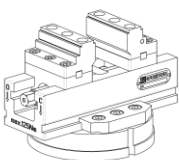
Mechanical centre-clamping vise MZU 170-60 / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm
 Type: 3R-681.51-SA

Order Number

B809500139

71

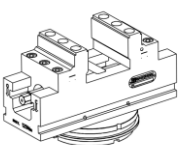
Mechanical centre-clamping vise MZU 220-80 / System 3R Macro Magnum


Jaw width: 80 mm Clamping width: 180 / 210 mm
 Clamping force: 40.000 mm
 Type: 3R-681.51-SA

Order Number

B809500141

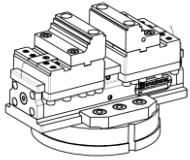
72

Mechanical centre-clamping vise MZU 280-100 / System 3R Macro Magnum


Jaw width: 100 mm Clamping width: 240 / 270 mm
 Clamping force: 50.000 mm
 Type: 3R-681.51-SA

Order Number

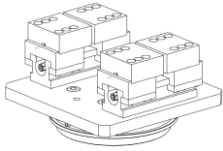
B809500353

73 Mechanical centre-clamping vise MZC 280-80 S / System 3R Macro Magnum


Jaw width: 80 mm Clamping width: 185 / 218 mm
 Clamping force: 40.000 mm
 Type: 3R-681.51-SA

Order Number

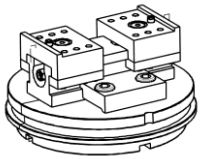
B809500360

74 Mechanical centre-clamping vise MZS 120-60 A / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 16.000 mm
 Type: 3R-681.51-SA

Order Number

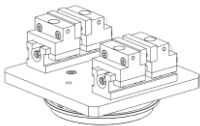
B809500150

75 Mechanical centre-clamping vise MZS 120-60 A / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 16.000 mm
 Type: 3R-681.51-SA

Order Number

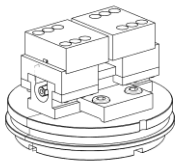
B809500397

76 Mechanical centre-clamping vise MZS 120-60 B / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 57 mm
 Clamping force: 16.000 mm
 Type: 3R-681.51-SA

Order Number

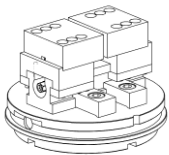
B809500151

77 Mechanical centre-clamping vise MZS 120-60 A / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 16.000 mm
 Type: 3R-681.51-SA

Order Number

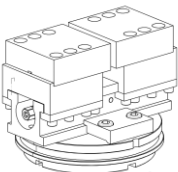
B809500352

78 Mechanical centre-clamping vise MZS 120-60 A / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 16.000 mm
 Type: 3R-681.51-SA

Order Number

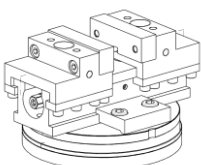
B809500347

79 Mechanical centre-clamping vise MZS 180-80 A / System 3R Macro Magnum


Jaw width: 80 mm Clamping width: 180 mm
 Clamping force: 30.000 mm
 Type: 3R-681.51-SA

Order Number

B809500156

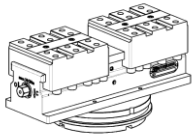
80 Mechanical centre-clamping vise MZS 180-80 B / System 3R Macro Magnum


Jaw width: 80 mm Clamping width: 89 mm
 Clamping force: 30.000 mm
 Type: 3R-681.51-SA

Order Number

B809500157

81

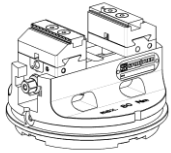
Mechanical centre-clamping vise MZC 280-100 E / System 3R Macro Magnum


Jaw width: 100 mm Clamping width: 245 / 298 mm
 Clamping force: 50.000 mm
 Type: 3R-681.51-SA

Order Number

B809500491

82

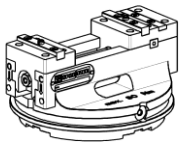
Mechanical centre-clamping vise MZO 160-60 / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 116 / 150 mm
 Clamping force: 30.000 mm
 Type: 3R-681.71

Order Number

B809500426

83

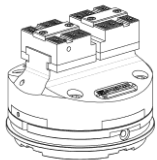
Mechanical compact vise MSU 170-60 PA / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 20 000 mm
 Type: 3R-681.71

Order Number

B809500568

84

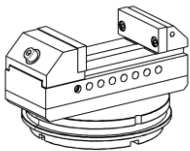
Pneumatic centre-clamping vise PZS2 120-60 / System 3R Macro Magnum


Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 16.000 mm
 Type: 3R-90793_50

Order Number

B809500440

85

Precision vise N 75 S / System 3R Macro Magnum


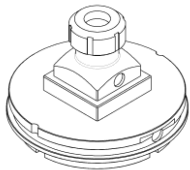
Jaw width: 75 mm Clamping width: 95 mm

Order Number

Type: 3R-681.51-SA

B809500431

86

Collet chuck ER 32-3R / System 3R Macro Magnum


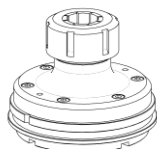
Ø D: 32 mm Spannbereich: Ø 2 -20 mm

Order Number

Type: 3R-681.51-SA

B809500537

87

Collet chuck ER 50-3R / System 3R Macro Magnum


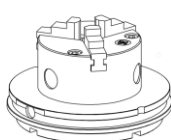
Ø D: 50 mm Spannbereich: Ø 6 -34 mm

Order Number

Type: 3R-681.51-SA

B809500336

88

Clamping chuck DBF 100 / System 3R Macro Magnum


Ø D: 100 mm Clamping range
 mm Outside clamping: 3 - 83 mm
 Internal clamping: 25 - 87 mm

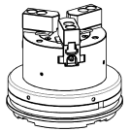
Order Number

Type: 3R-681.51-SA

B809500348

89

Clamping chuck DBF-PH 115 / System 3R Macro Magnum



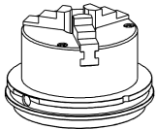
Ø D:	115	mm	Ø D1:	157	mm
Pneumatic:	11.000	N	Hydraulic:	24.000	N
Type:	3R-90793.50		Hub:	3,8	mm

Order Number

B809500472

90

Clamping chuck DBF 125 / System 3R Macro Magnum



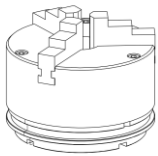
Ø D:	125	mm	Clamping range		
		mm	Outside clamping:	3 - 65	mm
Type:	3R-681.51-SA		Internal clamping:	0 - 125	mm

Order Number

B809500416

91

Clamping chuck DBF 160 / System 3R Macro Magnum



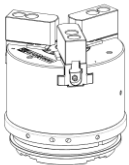
Ø D:	160	mm	Clamping range		
		mm	Outside clamping:	4 - 160	mm
Type:	3R-681.51-SA		Internal clamping:	42 - 154	mm

Order Number

B809500183

92

Clamping chuck DBF-PH 169 / System 3R Macro Magnum



Ø D:	169	mm	Ø D1:	224	mm
Pneumatic:	20.000	N	Spannbereich:	Ø15 - 169	mm
Type:	3R-90793.50		Hub:	5,5	mm

Order Number

B809500441

93

Permanent magnetic clamping plate SPNM 1710 / System 3R Macro Magnum



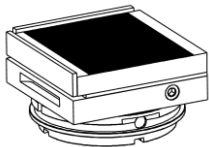
Nominal holding force:	100	N/cm ²	Pole pitch:	1,4 + 0,5	mm
Length:	175	mm	Width:	100	mm

Order Number

B809500349

94

Palletizing magnetic clamping plate SPNM INOX 1515 / System 3R Macro Magnum



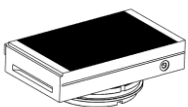
Nominal holding force:	60	N/cm ²	Magnetic field height:	5	mm
Length:	150	mm	Width:	150	mm
Type:	3R-681.51-SA		Pole pitch:	1,4 + 0,5	mm

Order Number

B809500483

95

Permanent magnetic clamping plate SPNM 2515 / System 3R Macro Magnum



Nominal holding force:	100	N/cm ²	Magnetic field height:	5	mm
Length:	250	mm	Width:	150	mm
Type:	3R-681.51-SA		Pole pitch:	1,4 + 0,5	mm

Order Number

B809500528

96

T-Slot Plate 240 x 240 / System 3R Macro Magnum



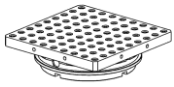
Material:	Aluminum		Finish:	Anodized	
Length:	240	mm	Width:	240	mm
Type:	3R-681.51-SA		T-Nut:	10H7	

Order Number

B809500191

97

Threaded plate 180 x 180 / System 3R Macro Magnum



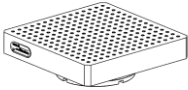
Material: Aluminum
 Length: 180 mm
 Type: 3R-681.51-SA

Finish: Anodized
 Width: 180 mm
 Raster: 20 - M8

Order Number
 B809500482

98

Threaded plate 240 x 240 / System 3R Macro Magnum



Material: Aluminum
 Length: 240 mm
 Type: 3R-681.51-SA

Finish: Anodized
 Width: 240 mm
 Raster: 15 - M6

Order Number
 B809500187

99

Mechanical centre-clamping vise MZU 150-80 / System 3R Matrix 220



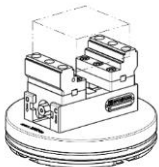
Jaw width: 80 mm
 Clamping force: 40.000 mm
 Type: 3R-690.1-220

Clamping width: 112 / 140 mm

Order Number
 B200500182

100

Mechanical centre-clamping vise MZU 150-80 PA / System 3R Matrix 110



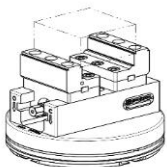
Jaw width: 100 mm
 Clamping force: 40.000 mm
 Type: 3R-691.1-110

Clamping width: 112 / 140 mm

Order Number
 B809500547

101

Mechanical centre-clamping vise MZU 190-100 / System 3R Matrix 220



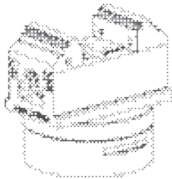
Jaw width: 100 mm
 Clamping force: 50.000 mm
 Type: 3R-690.1-220

Clamping width: 148 / 180 mm

Order Number
 B809500596

102

Mechanical centre-clamping vise MZR 80-36 / System 3R GPS 70



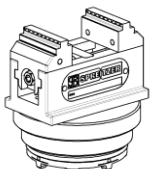
Jaw width: 36 mm
 Clamping force: 16.000 mm
 Type: C 695 040

Clamping width: 59 mm

Order Number
 B809500476

103

Mechanical centre-clamping vise MZR 80-36 / System 3R GPS 70



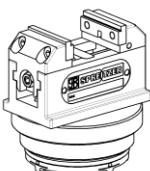
Jaw width: 36 mm
 Clamping force: 16.000 mm
 Type: C 695 270

Clamping width: 59 mm

Order Number
 B809500449

104

Mechanical centre-clamping vise MZE 80-36 / System 3R GPS 70



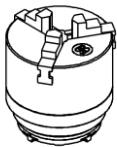
Jaw width: 36 mm
 Clamping force: 16.000 mm
 Type: C 695 270

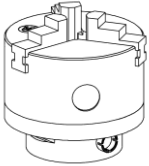
Clamping width: 40 mm

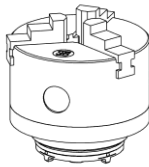
Order Number
 B809500006

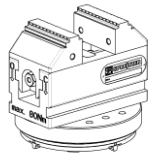
105 	Mechanical centre-clamping vise MZE 80-36 / System 3R GPS 70 Jaw width: 36 mm Clamping width: 40 mm Order Number: B809500007 Type: C 695 040
106 	Mechanical centre-clamping vise MZE 80-36 / System 3R GPS 70 Jaw width: 36 mm Clamping force: 16.000 mm Clamping width: 40 mm Order Number: B809500371 Type: C 695 265
107 	Mechanical centre-clamping vise MZE 170-60 / System 3R GPS 70 Jaw width: 60 mm Clamping force: 30.000 mm Clamping width: 90 mm Order Number: B809500395 Type: C 695 265
108 	Mechanical centre-clamping vise MZU 80-36 / System 3R GPS 70 Jaw width: 36 mm Clamping force: 16.000 mm Clamping width: 78 / 70 mm Order Number: B809500450 Type: C 695 270
109 	Mechanical centre-clamping vise MZR 170-60 / System 3R GPS 240 Jaw width: 36 mm Clamping force: 30.000 mm Clamping width: 136 mm Order Number: B809500477 Type: C 694 400
110 	Mechanical centre-clamping vise MZS 70-36 B / System 3R GPS 70 Jaw width: 36 mm Clamping force: 10.000 mm Clamping width: 30 mm Order Number: B809500231 Type: C 695 040
111 	Mechanical centre-clamping vise MZS 70-36 A / System 3R GPS 70 Jaw width: 36 mm Clamping force: 10.000 mm Clamping width: 70 mm Order Number: B809500028 Type: C 695 270
112 	Mechanical centre-clamping vise MZS 70-36 B / System 3R GPS 70 Jaw width: 36 mm Clamping force: 10.000 mm Clamping width: 30 mm Order Number: B809500029 Type: C 695 270

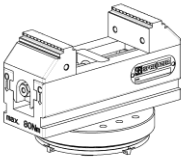
113 	Mechanical centre-clamping vise MZS 70-36 A / System 3R GPS 70			
	Jaw width:	36	mm	Clamping width: 70 mm
	Clamping force:	10.000	mm	
Order Number B809500232	Type:	C 695 040		
114 Mechanical centre-clamping vise MZS 100-50 A / System 3R GPS 70				
114 	Jaw width:	52	mm	Clamping width: 100 mm
	Clamping force:	12.000	mm	
Order Number B809500346	Type:	C 695 270		
115 Precision vise N 25 S / System 3R GPS 70				
115 	Jaw width:	25	mm	Clamping width: 23 mm
Order Number B809500093	Type:	C 695 040		
116 Precision vise N 25 S / System 3R GPS 70				
116 	Jaw width:	25	mm	Clamping width: 23 mm
Order Number B809500092	Type:	C 695 270		
117 Precision vise N 50 S / System 3R GPS 120				
117 	Jaw width:	50	mm	Clamping width: 63 mm
Order Number B809500114	Type:	C 695 370		
118 Precision vise N 50 S / System 3R GPS 70				
118 	Jaw width:	50	mm	Clamping width: 63 mm
Order Number B809500115	Type:	C 695 040		
119 Precision vise N 50 S / System 3R GPS 120				
119 	Jaw width:	50	mm	Clamping width: 63 mm
Order Number B809500142	Type:	C 695 370		
120 Clamping chuck DBF 80 / System 3R GPS 70				
120 	Ø D:	80	mm	Clamping range
			mm	Outside clamping: 2 - 71 mm
Order Number B809500478	Type:	C 695 040		
				Internal clamping: 22 - 69 mm

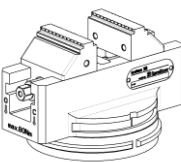
121	Clamping chuck DBF 80 / System 3R GPS 70			
		Ø D:	80 mm	Clamping range
				Outside clamping: 2 - 71 mm
	Order Number	Type:	C 695 070	Internal clamping: 22 - 69 mm
	B809500009			

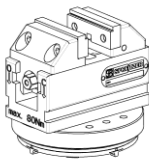
122	Clamping chuck DBF 100 / System 3R GPS 70			
		Ø D:	100 mm	Clamping range
				Outside clamping: 3 - 83 mm
	Order Number	Type:	C 695 040	Internal clamping: 25 - 87 mm
	B809500082			

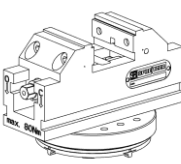
123	Clamping chuck DBF 100 / System 3R GPS 70			
		Ø D:	100 mm	Clamping range
				Outside clamping: 3 - 83 mm
	Order Number	Type:	C 695 270	Internal clamping: 25 - 87 mm
	B809500081			

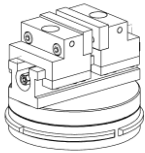
124	Mechanical centre-clamping vise MZR 120-60 / System 3R GPS 120			
		Jaw width:	60 mm	Clamping width: 86 mm
		Clamping force:	30.000 mm	
	Order Number	Type:	C 695 370	
	B809500456			

125	Mechanical centre-clamping vise MZR 170-60 / System 3R GPS 120			
		Jaw width:	60 mm	Clamping width: 136 mm
		Clamping force:	30.000 mm	
	Order Number	Type:	C 695 370	
	B809500459			

126	Mechanical centre-clamping vise MZR 170-60 PA / System 3R GPS 120			
		Jaw width:	60 mm	Clamping width: 136 mm
		Clamping force:	30.000 mm	
	Order Number	Type:	C 695 140	
	B809500460			

127	Mechanical centre-clamping vise MZE 120-60 / System 3R GPS 120			
		Jaw width:	60 mm	Clamping width: 40 mm
		Clamping force:	30.000 mm	
	Order Number	Type:	C 695 370	
	B809500457			

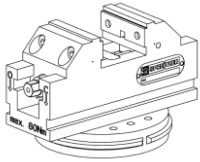
128	Mechanical centre-clamping vise MZE 170-60 / System 3R GPS 120			
		Jaw width:	60 mm	Clamping width: 90 mm
		Clamping force:	30.000 mm	
	Order Number	Type:	C 695 370	
	B809500134			

129
Mechanical centre-clamping vise MZS 120-60 B / System 3R GPS 120


Jaw width: 60 mm Clamping width: 57 mm
 Clamping force: 16.000 mm

Order Number Type: C 695 140

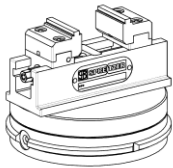
B809500149

130
Mechanical centre-clamping vise MZE 170-60 / System 3R GPS 120


Jaw width: 60 mm Clamping width: 90 mm
 Clamping force: 30.000 mm

Order Number Type: C 695 140

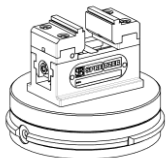
B809500130

131
Mechanical centre-clamping vise MZU 120-36 / System 3R GPS 120


Jaw width: 36 mm Clamping width: 118 / 110 mm
 Clamping force: 16.000 mm

Order Number Type: C 695 140

B809500446

132
Mechanical centre-clamping vise MZU 80-36 / System 3R GPS 120


Jaw width: 36 mm Clamping width: 78 / 70 mm
 Clamping force: 16.000 mm

Order Number Type: C 695 140

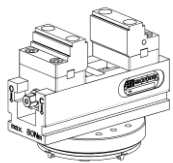
B809500401

133
Mechanical centre-clamping vise MZU 120-60 / System 3R GPS 120


Jaw width: 60 mm Clamping width: 80 mm
 Clamping force: 30.000 mm

Order Number Type: C 695 370

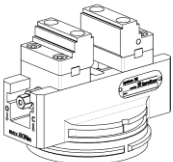
B809500458

134
Mechanical centre-clamping vise MZU 170-60 / System 3R GPS 120


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm

Order Number Type: C 695 370

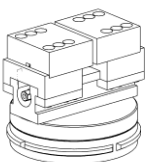
B809500135

135
Mechanical centre-clamping vise MZU 170-60 / System 3R GPS 120


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm

Order Number Type: C 695 140

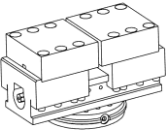
B809500461

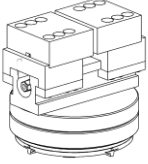
136
Mechanical centre-clamping vise MZS 120-60 A / System 3R GPS 120


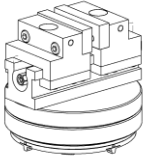
Jaw width: 60 mm Clamping width: 120 mm
 Clamping force: 16.000 mm

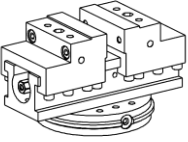
Order Number Type: C 695 140

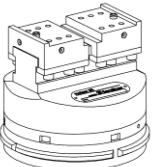
B809500148

137	Mechanical centre-clamping vise MZS 220-100 A / System 3R GPS 120			
		Jaw width:	100 mm	Clamping range
		Clamping force:	30.000 mm	Outside clamping: 4 - 160 mm
	Order Number	Type:	C 695 140	Internal clamping: 42 - 154 mm
	B809500506			

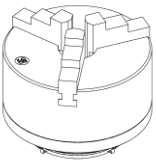
138	Mechanical centre-clamping vise MZS 120-60 A / System 3R GPS 120			
		Jaw width:	60 mm	Clamping width: 120 mm
		Clamping force:	16.000 mm	
	Order Number	Type:	C 695 370	
	B809500146			

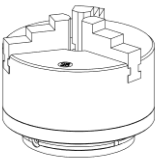
139	Mechanical centre-clamping vise MZS 120-60 B / System 3R GPS 120			
		Jaw width:	60 mm	Clamping width: 57 mm
		Clamping force:	16.000 mm	
	Order Number	Type:	C 695 370	
	B809500147			

140	Mechanical centre-clamping vise MZS 180-80 B / System 3R GPS 120			
		Jaw width:	80 mm	Clamping width: 89 mm
		Clamping force:	30.000 mm	
	Order Number	Type:	C 695 140	
	B809500030			

141	Pneumatic centre-clamping vise PZS 100-50 PA / System 3R GPS 120			
		Jaw width:	52 mm	Clamping width: 100 mm
		Clamping force:	12.000 mm	
	Order Number	Type:	C 695 140	
	B809500467			

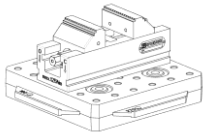
142	Precision vise N 50 S / System 3R GPS 120			
		Jaw width:	50 mm	Clamping width: 63 mm
	Order Number	Type:	C 695 140	
	B809500143			

143	Clamping chuck DBF 160 / System 3R GPS 120			
		Ø D:	160 mm	Clamping range
				Outside clamping: 4 - 160 mm
	Order Number	Type:	C 695 370	Internal clamping: 42 - 154 mm
	B809500179			

144	Clamping chuck DBF 160 / System 3R GPS 120			
		Ø D:	160 mm	Clamping range
				Outside clamping: 4 - 160 mm
	Order Number	Type:	C 695 140	Internal clamping: 42 - 154 mm
	B809500180			

145

Mechanical centre-clamping vise MZR 220-80 / System 3R GPS 240



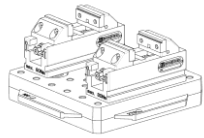
Jaw width: 80 mm Clamping width: 178 mm
Clamping force: 40.000 mm

Order Number Type: C 694 400

B809500451

146

Mechanical centre-clamping vise MZE 170-60 (2x) / System 3R GPS 240



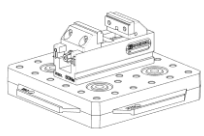
Jaw width: 60 mm Clamping width: 90 mm
Clamping force: 30.000 mm

Order Number Type: C 694 100

B809500213

147

Mechanical centre-clamping vise MZE 170-60 / System 3R GPS 240



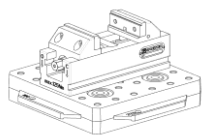
Jaw width: 60 mm Clamping width: 90 mm
Clamping force: 30.000 mm

Order Number Type: C 694 400

B809500206

148

Mechanical centre-clamping vise MZE 220-80 / System 3R GPS 240



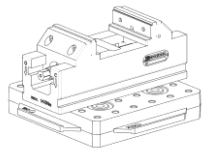
Jaw width: 80 mm Clamping width: 130 mm
Clamping force: 40.000 mm

Order Number Type: C 694 400

B809500215

149

Mechanical centre-clamping vise MZE 280-100 / System 3R GPS 240



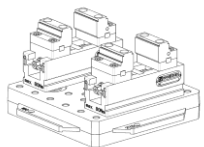
Jaw width: 100 mm Clamping width: 190 mm
Clamping force: 50.000 mm

Order Number Type: C 694 400

B809500220

150

Mechanical centre-clamping vise MZU 170-60 / System 3R GPS 240



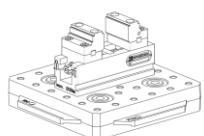
Jaw width: 60 mm Clamping width: 130 / 160 mm
Clamping force: 30.000 mm

Order Number Type: C 694 400

B809500214

151

Mechanical centre-clamping vise MZU 170-60 / System 3R GPS 240



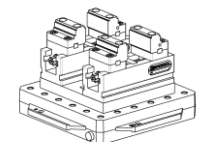
Jaw width: 60 mm Clamping width: 130 / 160 mm
Clamping force: 30.000 mm

Order Number Type: C 694 400

B809500207

152

Mechanical centre-clamping vise MZU 170-60 / System 3R GPS 240



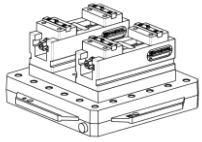
Jaw width: 60 mm Clamping width: 130 / 160 mm
Clamping force: 30.000 mm

Order Number Type: C 694 400

B809500486

153

Mechanical centre-clamping vise MZU 170-60 / System 3R GPS 240



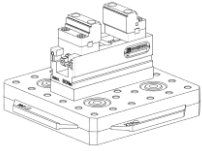
Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm
 Type: C 694 400

Order Number

B809500444

154

Mechanical centre-clamping vise MZU 170-60 / System 3R GPS 240



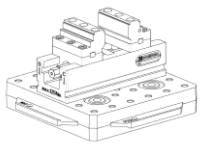
Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm
 Type: C 694 400

Order Number

B809500485

155

Mechanical centre-clamping vise MZU 220-80 / System 3R GPS 240



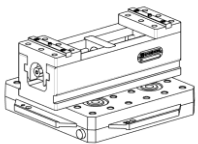
Jaw width: 80 mm Clamping width: 180 / 210 mm
 Clamping force: 40.000 mm
 Type: C 694 400

Order Number

B809500216

156

Mechanical centre-clamping vise MZU 280-100 O / System 3R GPS 240



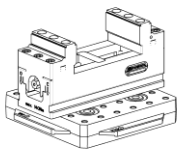
Jaw width: 100 mm Clamping width: 240 / 270 mm
 Clamping force: 50.000 mm
 Type: C 694 400

Order Number

B809500445

157

Mechanical centre-clamping vise MZU 280-100 / System 3R GPS 240



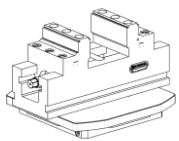
Jaw width: 100 mm Clamping width: 240 / 270 mm
 Clamping force: 50.000 mm
 Type: C 694 400

Order Number

B809500221

158

Mechanical centre-clamping vise MZU 360-125 / System 3R GPS 240



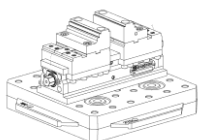
Jaw width: 125 mm Clamping width: 310 / 350 mm
 Clamping force: 70.000 mm
 Type: C 694 400

Order Number

B809500480

159

Mechanical centre-clamping vise MZC 220-80 E / System 3R GPS 240



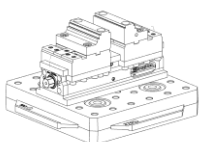
Jaw width: 80 mm Clamping width: 185 / 210 mm
 Clamping force: 40.000 mm
 Type: C 694 400

Order Number

B809500376

160

Mechanical centre-clamping vise MZC 220-80 S / System 3R GPS 240



Jaw width: 80 mm Clamping width: 185 / 210 mm
 Clamping force: 40.000 mm
 Type: C 694 400

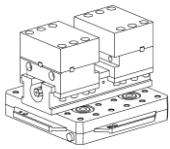
Order Number

B809500377

161 	Mechanical centre-clamping vise MZC 280-100 E / System 3R GPS 240 Jaw width: 100 mm Clamping width: 245 / 298 mm Clamping force: 50.000 mm Order Number Type: C 694 400 B809500380
162 	Mechanical centre-clamping vise MZR 127-60 / System 3R GPS 240 Jaw width: 60 mm Clamping width: 136 mm Clamping force: 30.000 mm Order Number Type: C 694 400 B809500447
163 	Mechanical centre-clamping vise MZS 120-60 A / System 3R GPS 240 Jaw width: 60 mm Clamping width: 120 mm Clamping force: 16.000 mm Order Number Type: C 694 400 B809500359
164 	Mechanical centre-clamping vise MZS 120-60 B / System 3R GPS 240 Jaw width: 60 mm Clamping width: 57 mm Clamping force: 16.000 mm Order Number Type: C 694 400 B809500419
165 	Mechanical centre-clamping vise MZS 180-80 A / System 3R GPS 240 Jaw width: 80 mm Clamping width: 180 mm Clamping force: 30.000 mm Order Number Type: C 694 400 B809500229
166 	Mechanical centre-clamping vise MZS 180-80 A / System 3R GPS 240 Jaw width: 80 mm Clamping width: 180 mm Clamping force: 30.000 mm Order Number Type: C 694 400 B809500405
167 	Mechanical centre-clamping vise MZS 180-80 B / System 3R GPS 240 Jaw width: 80 mm Clamping width: 89 mm Clamping force: 30.000 mm Order Number Type: C 694 400 B809500230
168 	Mechanical centre-clamping vise MZS 220-80 B 0 / System 3R GPS 240 Jaw width: 80 mm Clamping width: 220 mm Clamping force: 30.000 mm Order Number Type: C 694 400 B809500515

169

Mechanical centre-clamping vise MZS 260-125 A / System 3R GPS 240



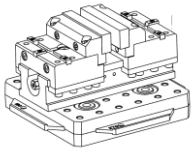
Jaw width: 125 mm Clamping width: 260 mm
 Clamping force: 50.000 mm
 Type: C 694 400

Order Number

B809500243

170

Mechanical centre-clamping vise MZS 260-125 B / System 3R GPS 240



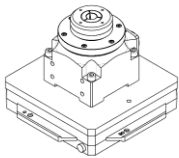
Jaw width: 125 mm Clamping width: 111 (260) mm
 Clamping force: 50.000 mm
 Type: C 694 100

Order Number

B809500244

171

Mechanical manual chucks SK 65-2 / System 3R GPS 240



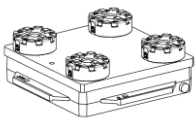
Ø D: 120 mm Clamping range diameter: 4 - 65 mm
 Clamping force: 60 mm Clamping range rectangle: 8 - 46 mm
 Type: C 694 100 Spannereich sechseck: 7 - 56 mm

Order Number

B809500495

172

Macro chuck adapter 3R GPS 240 / System 3R GPS 240



Center distance: 4 x 160 mm
 mm

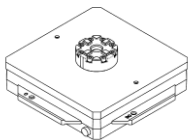
Order Number

Type: 3R-600.24-S

B809500386

173

Macro chuck adapter 3R-600.24-S / System 3R GPS 240



Finish: 3R-600.24-S

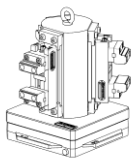
Order Number

Type: C 694 400

B809500496

174

Clamping towers MZE / MZU 170-60 / System 3R GPS 240



Material: High-strength aluminum / steel

Finish: Precision machined / grinded

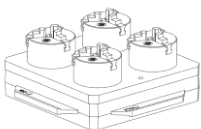
Order Number

Type: C 694 400

B809500396

175

Clamping chuck DBF 80 / System 3R GPS 240



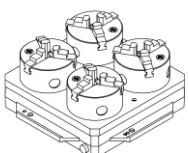
Ø D: 80 mm Clamping range
 mm Outside clamping: 2 - 71 mm
 Type: C 694 100 Internal clamping: 22 - 69 mm

Order Number

B809500264

176

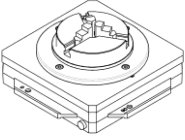
Clamping chuck DBF 100 / System 3R GPS 240

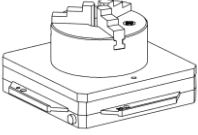


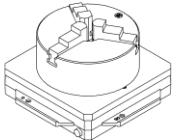
Ø D: 100 mm Clamping range
 mm Outside clamping: 3 - 83 mm
 Type: C 694 400 Internal clamping: 25 - 87 mm

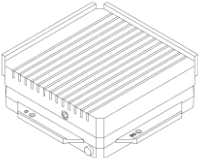
Order Number

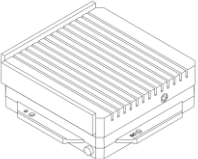
B809500532

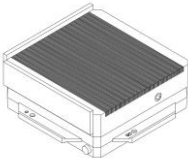
177	Clamping chuck DBF 130 / System 3R GPS 240			
		Ø D:	130 mm	Clamping range
	Order Number B809500442	Type:	C 694 400	Outside clamping: Ø43 - 106 mm Internal clamping: Ø1,5 - 116 mm

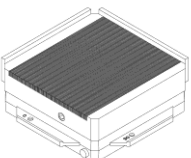
178	Clamping chuck DBF 160 / System 3R GPS 240			
			mm	Clamping range
	Order Number B809500282	Type:	C 694 400	Outside clamping: 4 - 160 mm Internal clamping: 42 - 154 mm

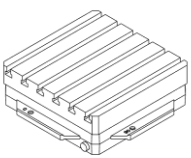
179	Clamping chuck DBF 200 / System 3R GPS 240			
			mm	Clamping range
	Order Number B809500275	Type:	C 694 400	Outside clamping: 52 - 202 mm Internal clamping: 4 - 200 mm

180	Permanent magnetic clamping plate SPPM 2424 / System 3R GPS 240			
		Nominal holding force:	180 N/cm ²	Magnetic field height: 10 mm
	Order Number B809500251	Length:	240 mm	Width: 240 mm Pole pitch: 4,0 + 11,0 mm

181	Permanent magnetic clamping plate SPNM 2424 / System 3R GPS 240			
		Nominal holding force:	100 N/cm ²	Pole pitch: 1,4 + 0,5 mm
	Order Number B809500263	Length:	240 mm	Width: 240 mm

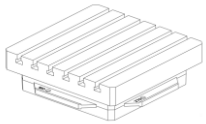
182	Permanent magnetic clamping plate SPNEO 2424 / System 3R GPS 240			
		Nominal holding force:	150 N/cm ²	Magnetic field height: 6 mm
	Order Number B809500265	Length:	240 mm	Width: 240 mm Pole pitch: 4,0 + 11,0 mm

183	Permanent magnetic clamping plate SPPF 2424 / System 3R GPS 240			
		Nominal holding force:	120 N/cm ²	Magnetic field height: 5 mm
	Order Number B809500250	Length:	240 mm	Width: 240 mm

184	T-Slot Plate 240 x 240 / System 3R GPS 240			
		Material:	Aluminum	Finish: Anodized
	Order Number B809500328	Length:	240 mm	Width: 240 mm T-Nut: 10H7

185

T-Slot Plate 280 x 280 / System 3R GPS 240



Order Number
B809500327

Material: Aluminum
 Length: 280 mm
 Type: C 694 400
 Finish: Anodized
 Width: 280 mm
 T-Nut: 10H7

186

Threaded plate 240 x 240 / System 3R GPS 240



Order Number
B809500481

Material: Steel
 Length: 240 mm
 Type: C 694 400
 Raster: 20 - M8
 Width: 240 mm

187

Threaded plate 280 x 280 / System 3R GPS 240

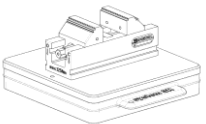


Order Number
B809500301

Material: Steel
 Length: 280 mm
 Type: C 694 400
 Raster: 20 - M8
 Width: 280 mm

188

Mechanical centre-clamping vise MZR 220-80 / System 3R Dynafix

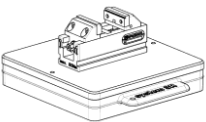


Order Number
B809500433

Jaw width: 80 mm
 Clamping force: 40.000 mm
 Type: 3R-771.2
 Clamping width: 178 mm

189

Mechanical centre-clamping vise MZE 170-60 / System 3R Dynafix

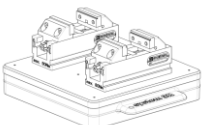


Order Number
B809500210

Jaw width: 60 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2
 Clamping width: 90 mm

190

Mechanical centre-clamping vise MZE 170-60 / System 3R Dynafix

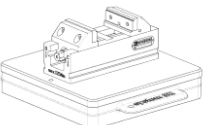


Order Number
B809500217

Jaw width: 60 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2
 Clamping width: 90 mm

191

Mechanical centre-clamping vise MZE 220-80 / System 3R Dynafix

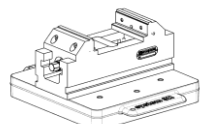


Order Number
B809500222

Jaw width: 80 mm
 Clamping force: 40.000 mm
 Type: 3R-771.2
 Clamping width: 130 mm

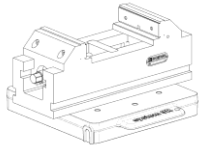
192

Mechanical centre-clamping vise MZE 280-100 / System 3R Dynafix



Order Number
B809500224

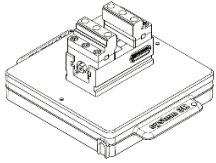
Jaw width: 100 mm
 Clamping force: 50.000 mm
 Type: 3R-771.2
 Clamping width: 190 mm

193
Mechanical centre-clamping vise MZE 360-125 / System 3R Dynafix


Jaw width: 125 mm Clamping width: 250 mm
 Clamping force: 70.000 mm
 Type: 3R-771.2

Order Number

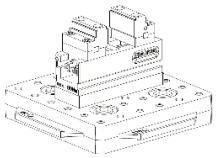
B809500227

194
Mechanical centre-clamping vise MZU 150-80 / System 3R Dynafix


Jaw width: 80 mm Clamping width: 112 / 140 mm
 Clamping force: 40.000 mm
 Type: 3R-771.2

Order Number

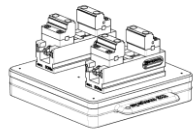
B809500511

195
Mechanical centre-clamping vise MZU 170-60 / System 3R Dynafix


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2

Order Number

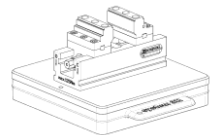
B809500211

196
Mechanical centre-clamping vise MZU 170-60 / System 3R Dynafix


Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2

Order Number

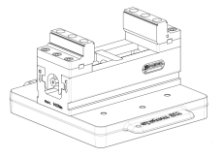
B809500218

197
Mechanical centre-clamping vise MZU 220-80 / System 3R Dynafix


Jaw width: 80 mm Clamping width: 180 / 210 mm
 Clamping force: 40.000 mm
 Type: 3R-771.2

Order Number

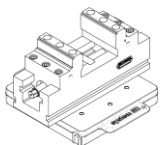
B809500223

198
Mechanical centre-clamping vise MZU 280-100 / System 3R Dynafix


Jaw width: 100 mm Clamping width: 240 / 270 mm
 Clamping force: 50.000 mm
 Type: 3R-771.2

Order Number

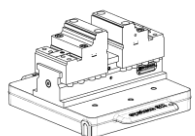
B809500225

199
Mechanical centre-clamping vise MZU 360-125 / System 3R Dynafix


Jaw width: 125 mm Clamping width: 310 / 350 mm
 Clamping force: 70.000 mm
 Type: 3R-771.2

Order Number

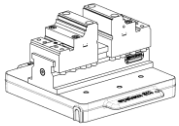
B809500228

200
Mechanical centre-clamping vise MZC 280-100 S / System 3R Dynafix


Jaw width: 100 mm Clamping width: 245 / 298 mm
 Clamping force: 50.000 mm
 Type: 3R-771.2

Order Number

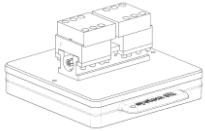
B809500379

201
Mechanical centre-clamping vise MZC 280-100 E / System 3R Dynafix


Jaw width: 100 mm Clamping width: 245 / 298 mm
 Clamping force: 50.000 mm
 Type: 3R-771.2

Order Number

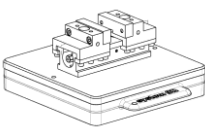
B809500378

202
Mechanical centre-clamping vise MZS 180-80 A / System 3R Dynafix


Jaw width: 80 mm Clamping width: 180 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2

Order Number

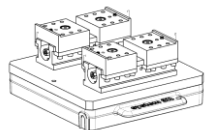
B809500233

203
Mechanical centre-clamping vise MZS 180-80 B / System 3R Dynafix


Jaw width: 80 mm Clamping width: 89 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2

Order Number

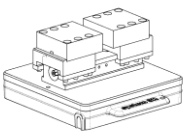
B809500234

204
Mechanical centre-clamping vise MZS 180-80 A 0 / System 3R Dynafix


Jaw width: 80 mm Clamping width: 180 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2

Order Number

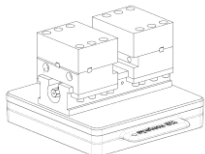
B809500385

205
Mechanical centre-clamping vise MZS 220-100 A / System 3R Dynafix


Jaw width: 100 mm Clamping width: 220 mm
 Clamping force: 30.000 mm
 Type: 3R-771.2

Order Number

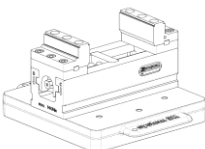
B809500487

206
Mechanical centre-clamping vise MZS 260-125 A / System 3R Dynafix


Jaw width: 125 mm Clamping width: 260 mm
 Clamping force: 50.000 mm
 Type: 3R-771.2

Order Number

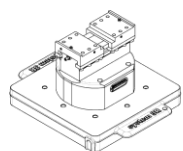
B809500247

207
Mechanical compact vise MSU 280-100 / System 3R Dynafix


Jaw width: 100 mm Clamping width: 240 / 270 mm
 Clamping force: 40.000 mm
 Type: 3R-771.2

Order Number

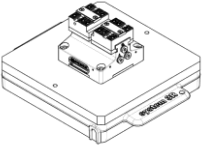
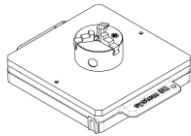
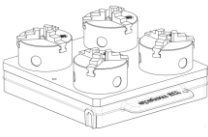
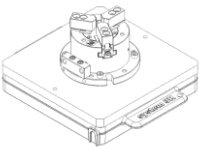
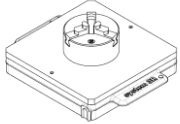
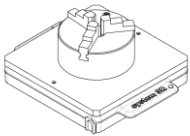
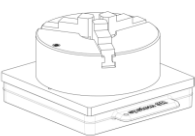

B809500497

208
Pneumatic centre-clamping vise PZS 180-80 A / System 3R Dynafix


Jaw width: 80 mm Clamping width: 160 mm
 Clamping force: 24.000 mm
 Type: 3R-771.2

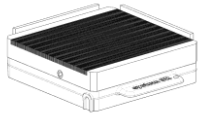
Order Number

B809500453

209	Pneumatic centre-clamping vise PZS2 120-60 / System 3R Dynafix					
	Jaw width:	60	mm	Clamping width:	120	mm
	Clamping force:	16.000	mm			
	Order Number	Type:	3R-771.2			
B809500533						
210	Clamping chuck DBF 100 / System 3R Dynafix					
	Ø D:	100	mm	Clamping range		
				Outside clamping:	3 - 83	mm
	Order Number	Type:	3R-771.2	Internal clamping:	25 - 87	mm
B809500409						
211	Clamping chuck DBF 100 / System 3R Dynafix					
	Ø D:	100	mm	Clamping range		
				Outside clamping:	3 - 83	mm
	Order Number	Type:	3R-771.2	Internal clamping:	25 - 87	mm
B809500268						
212	Clamping chuck DBF-PH 115 / System 3R Dynafix					
	Ø D:	115	mm	Pneumatic:	11.000	N
	Hydraulic:	24.000	N	Hub:	3,8	mm
	Order Number	Type:	3R-23891-00	Spannbereich:	Ø9 - 115	mm
B809500534						
213	Clamping chuck DBF 125 / System 3R Dynafix					
	Ø D:	125	mm	Clamping range		
				Outside clamping:	3 - 65	mm
	Order Number	Type:	3R-771.2	Internal clamping:	0 - 125	mm
B809500540						
214	Clamping chuck DBF 160 / System 3R Dynafix					
	Ø D:	160	mm	Clamping range		
				Outside clamping:	62 - 256	mm
	Order Number	Type:	3R-771.2	Internal clamping:	5 - 250	mm
B809500342						
215	Clamping chuck DBF 250 / System 3R Dynafix					
	Ø D:	250	mm	Clamping range		
				Outside clamping:	62 - 256	mm
	Order Number	Type:	3R-771.2	Internal clamping:	5 - 250	mm
B809500281						
216	Permanent magnetic clamping plate SPPM-2828 / System 3R Dynafix					
	Nominal holding force:	180	N/cm ²	Magnetic field height:	10	mm
	Length:	280	mm	Width:	280	mm
	Order Number	Type:	3R-771.2	Pole pitch:	11,0 + 4,0	mm
B809500255						

217

Permanent magnetic clamping plate SPNM-2828 / System 3R Dynafix



Nominal holding force: 100 N/cm² Magnetic field height: 5 mm
 Length: 280 mm Width: 280 mm
 Type: 3R-771.2 Pole pitch: 1,4 + 0,5 mm

Order Number
 B809500253

218

Permanent Magnetic Chuck SPNEO 2828 / System 3R Dynafix



Nominal holding force: 150 N/cm² Magnetic field height: 10 mm
 Length: 280 mm Width: 280 mm
 Type: 3R-771.2 Pole pitch: 11,0 + 4,0 mm

Order Number
 B809500535

219

T-Slot Plate 280 x 280 / System 3R Dynafix

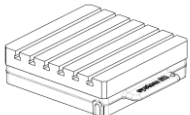


Material: Aluminum Finish: Anodized
 Length: 280 mm Width: 280 mm
 Type: 3R-771.2 T-Nut: 10H7

Order Number
 B809500330

220

T-Slot Plate 280 x 280 / System 3R Dynafix

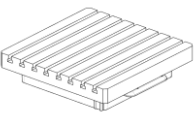


Material: Steel
 Length: 280 mm Width: 280 mm
 Type: 3R-771.2 T-Nut: 10H7

Order Number
 B809500369

221

T-Slot Plate 350 x 350 / System 3R Dynafix



Material: Steel
 Length: 350 mm Width: 350 mm
 Type: 3R-771.2 T-Nut: 10H7

Order Number
 B809500372

222

Threaded plate 280 x 280 / System 3R Dynafix



Material: Steel Raster: 20 - M8
 Length: 280 mm Width: 280 mm
 Type: 3R-771.2

Order Number
 B809500304

223

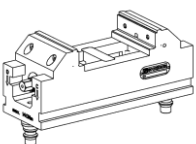
Set of clamping elements for für B809500304 / System 3R Dynafix



Order Number Type: 3R-771.2
 B809500455

224

Mechanical centre-clamping vise MZE 280-100 / System 3R DelphinCompact 160

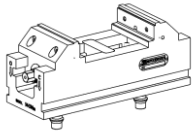


Jaw width: 100 mm Clamping width: 190 mm
 Clamping force: 50.000 mm
 Type: C 282 000

Order Number
 B809500365

225

Mechanical centre-clamping vise MZE 280-100 / System 3R DelphinCompact 160



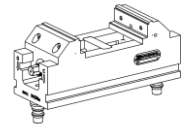
Jaw width: 100 mm Clamping width: 190 mm
 Clamping force: 50.000 mm
 Type: C 282 000

Order Number

B809500388

226

Mechanical centre-clamping vise MZE 280-100 / System 3R DelphinCompact 160



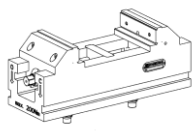
Jaw width: 100 mm Clamping width: 190 mm
 Clamping force: 50.000 mm
 Type: C 282 000

Order Number

B809500392

227

Mechanical centre-clamping vise MZE 360-125 / System 3R DelphinCompact 160



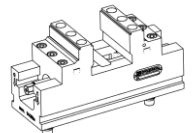
Jaw width: 125 mm Clamping width: 250 mm
 Clamping force: 70.000 mm
 Type: C 282 000

Order Number

B809500389

228

Mechanical centre-clamping vise MZU 280-100 / System 3R DelphinCompact 160



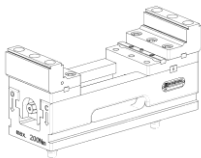
Jaw width: 100 mm Clamping width: 240 / 270 mm
 Clamping force: 50.000 mm
 Type: C 282 000

Order Number

B809500443

229

Mechanical centre-clamping vise MZU 360-125 / System 3R DelphinCompact 160



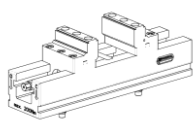
Jaw width: 125 mm Clamping width: 310 / 350 mm
 Clamping force: 70.000 mm
 Type: C 282 000

Order Number

B809500468

230

Mechanical centre-clamping vise MZU 500-125 / System 3R DelphinCompact 160



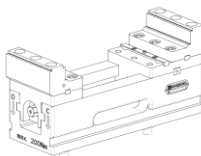
Jaw width: 125 mm Clamping width: 450 / 490 mm
 Clamping force: 70.000 mm
 Type: C 282 000

Order Number

B809500462

231

Mechanical compact vise MSU 360-125 / System 3R DelphinCompact 160



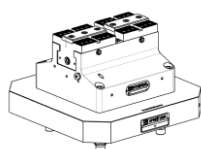
Jaw width: 125 mm Clamping width: 310 / 350 mm
 Clamping force: 50.000 mm
 Type: C 282 000

Order Number

B809500469

232

Pneumatic centre-clamping vise PZS² 180-80 A 0 / System 3R DelphinCompact 160



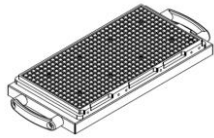
Jaw width: 80 mm Clamping width: 160 mm
 Clamping force: 24.000 mm
 Type: C 282 000

Order Number

B809500539

233

Vacuum plate 416 x 216 / System 3R DelphinCompact 160

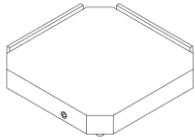


Dimensions: 416x216x20 mm Clamping surface: 400 x 200 mm
 Raster: 12,5 x 12,5 mm

Order Number: B809500590
 Type: C 282 000

234

Permanent Magnetic Chuck SPNEO 3232-48 / System 3R DelphinCompact 160



Nominal holding force: 150 N/cm² Magnetic field height: 10 mm
 Length: 320 mm Width: 320 mm
 Pole pitch: 11,0 + 4,0 mm

Order Number: B809500400
 Type: C 282 000

235

Threaded plate 150 x 150 / System 3R Macro 54

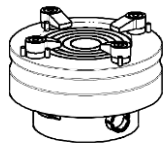


Material: Aluminum Finish: Anodized
 Length: 150 mm Width: 150 mm
 Raster: 15 - M6

Order Number: B809500489
 Type: 3R-651.7E-P

236

Plan chuck PSF 100 / System 3R GPS 70

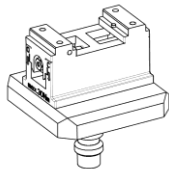


Ø D: 100 mm Spannbereich: Ø 40 / 60 / 68 mm

Order Number: B809500558
 Type: C 695 040

237

Mechanical centre-clamping vise MZU 80-36 / EROWA ITS 50

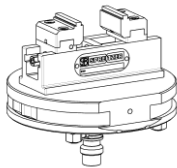


Jaw width: 36 mm Clamping width: 78 / 70 mm
 Clamping force: 16.000 mm

Order Number: B809600018
 Type: ER-094046

238

Mechanical centre-clamping vise MZU 120-36 / EROWA ITS 50

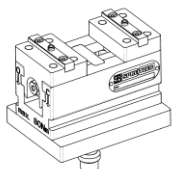


Jaw width: 36 mm Clamping width: 118 / 110 mm
 Clamping force: 16.000 mm

Order Number: B809600034
 Type: ER-009214
 Type: ER-010742

239

Mechanical centre-clamping vise MZU 120-60 / EROWA ITS 50

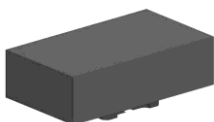


Jaw width: 60 mm Clamping width: 80 - 100 mm
 Clamping force: 30.000 mm

Order Number: B809600019
 Type: ER-009214
 Type: ER-010742

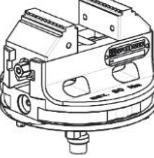
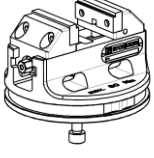
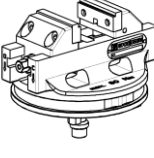
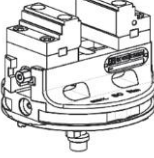
240

Permanent magnetic clamping plate SPNM 1710 / EROWA ITS 50



Nominal holding force: 100 N/cm² Magnetic field height: 5 mm
 Length: 175 mm Width: 150 mm
 Pole pitch: 1,4 + 0,5 mm

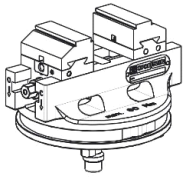
Order Number: B809500398
 Type: ER-094046

241 	Mechanical centre-clamping vise MZR 120-60PA / EROWA ITS148 Jaw width: 60 mm Clamping width: 86 mm Clamping force: 30.000 mm Order Number Type: ER-036657 B809600016
242 	Mechanical centre-clamping vise MZR 150-60PA O / EROWA ITS148 Jaw width: 60 mm Clamping width: 114 mm Clamping force: 30.000 mm Order Number Type: ER-036657 B809600011
243 	Mechanical centre-clamping vise MZR 150-80PA O / EROWA ITS148 Jaw width: 80 mm Clamping width: 108 mm Clamping force: 40.000 mm Order Number Type: ER-036657 B809600010
244 	Mechanical centre-clamping vise MZR 170-60PA / EROWA ITS148 Jaw width: 60 mm Clamping width: 136 mm Clamping force: 30.000 mm Order Number Type: ER-036657 B809600002
245 	Mechanical centre-clamping vise MZE 150-60PA O / EROWA ITS148 Jaw width: 60 mm Clamping width: 64 mm Clamping force: 30.000 mm Order Number Type: ER-036657 B809600012
246 	Mechanical centre-clamping vise MZE 170-60PA / EROWA ITS148 Jaw width: 60 mm Clamping width: 90 mm Clamping force: 30.000 mm Order Number Type: ER-036657 B809600003
247 	Mechanical centre-clamping vise MZU 150-60 PA / EROWA ITS148 Jaw width: 60 mm Clamping width: 110 / 140 mm Clamping force: 30.000 mm Order Number Type: ER-036657 B809600013
248 	Mechanical centre-clamping vise MZU 150-60PA O / EROWA ITS148 Jaw width: 60 mm Clamping width: 110 / 140 mm Clamping force: 30.000 mm Order Number Type: ER-036657 B809600006

<p>249</p> 	<p>Mechanical centre-clamping vise MZU 150-80 PA O / EROWA ITS148</p> <p>Jaw width: 80 mm Clamping width: 112 / 140 mm</p> <p>Clamping force: 40.000 mm</p> <p>Order Number Type: ER-036657</p> <p>B809600008</p>
<p>250</p> 	<p>Mechanical centre-clamping vise MZU 150-80PA / EROWA ITS148</p> <p>Jaw width: 80 mm Clamping width: 112 / 140 mm</p> <p>Clamping force: 40.000 mm</p> <p>Order Number Type: ER-036657</p> <p>B809600009</p>
<p>251</p> 	<p>Mechanical centre-clamping vise MZU 160-80 PA O / EROWA ITS148</p> <p>Jaw width: 80 mm Clamping width: 122 - 150 mm</p> <p>Clamping force: 40.000 mm</p> <p>Order Number Type: ER-036657</p> <p>B809600020</p>
<p>252</p> 	<p>Mechanical centre-clamping vise MZU 170-60PA / EROWA ITS148</p> <p>Jaw width: 60 mm Clamping width: 130 / 160 mm</p> <p>Clamping force: 30.000 mm</p> <p>Order Number Type: ER-036657</p> <p>B809600004</p>
<p>253</p> 	<p>Mechanical centre-clamping vise MZU 170-60PA O / EROWA ITS148</p> <p>Jaw width: 60 mm Clamping width: 130 / 160 mm</p> <p>Clamping force: 30.000 mm</p> <p>Order Number Type: ER-036657</p> <p>B809600007</p>
<p>254</p> 	<p>Mechanical centre-clamping vise MZC 220-80PA / EROWA ITS148</p> <p>Jaw width: 80 mm Clamping width: 180 / 210 mm</p> <p>Clamping force: 40.000 mm</p> <p>Order Number Type: ER-115379</p> <p>B809500597</p>
<p>255</p> 	<p>Mechanical centre-clamping vise MZS 120-60B & / EROWA ITS148</p> <p>Jaw width: 60 mm Clamping width: 57 mm</p> <p>Clamping force: 16.000 mm</p> <p>Order Number Type: ER-032699</p> <p>B809600015</p>
<p>256</p> 	<p>Mechanical centre-clamping vise MZQ 150-60PA / EROWA ITS148</p> <p>Jaw width: 60 mm Clamping width: 104 mm</p> <p>Clamping force: 30.000 mm</p> <p>Order Number Type: ER-036657</p> <p>B809600014</p>

257

Mechanical centre-clamping vise MZQ 170-60PA / EROWA ITS148



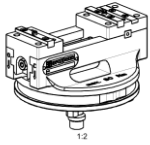
Jaw width: 60 mm Clamping width: 126 / 160 mm
 Clamping force: 30.000 mm

Order Number Type: ER-036657

B809600005

258

Mechanical compact vise MSU 170-60 PA / EROWA ITS148



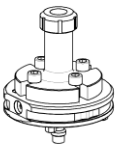
Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 20.000 mm

Order Number Type: ER-036657

B809600021

259

Collet chuck ER 32-5X / EROWA ITS148



Spannbereich: Ø 2 - 20 mm

Order Number Type: ER-155332

B809600017

260

Mechanical centre-clamping vise MZR 220-80 / EROWA Palette UPC Alu



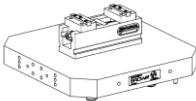
Jaw width: 80 mm Clamping width: 178 mm
 Clamping force: 40.000 mm

Order Number Type: ER-016917

B809600039

261

Mechanical centre-clamping vise MZU 170-60 / EROWA Palette UPC Alu



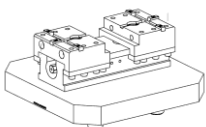
Jaw width: 125 mm Clamping width: 260 mm
 Clamping force: 30.000 mm

Order Number Type: ER-016917

B809600037

262

Mechanical centre-clamping vise MZS 260-125 / EROWA Palette UPC Alu



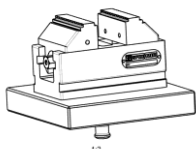
Jaw width: 60 mm Clamping width: 130 / 160 mm
 Clamping force: 50.000 mm

Order Number Type: ER-016917

B809600038

263

Mechanical centre-clamping vise MZR 150-80 / Hirschmann Nullpunktspannsystem 9000



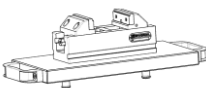
Jaw width: 80 mm Clamping width: 108 mm
 Clamping force: 40.000 mm

Order Number Type: 1.1818.K Palette

B809600056

264

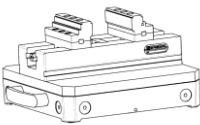
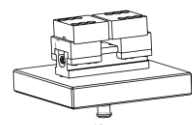
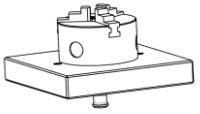
Mechanical centre-clamping vise MZE 220-80 / Hirschmann Nullpunktspannsystem 9000



Jaw width: 80 mm Clamping width: 130 mm
 Clamping force: 40.000 mm

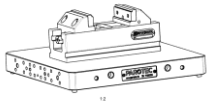
Order Number Type: 1.18.20 K Palette

B809600060

265 	Mechanical centre-clamping vise MZU 320-125 / Hirschmann Nullpunktspannsystem 8000 Jaw width: 125 mm Clamping width: 270 / 310 mm Clamping force: 40.000 mm Type: H 8.320 Palette Order Number B809600052
266 	Mechanical centre-clamping vise MZC 280-100 S / Hirschmann Nullpunktspannsystem 8000 Jaw width: 100 mm Clamping width: 245 / 298 mm Clamping force: 50.000 mm Type: H 8.320 Palette Order Number B809600051
267 	Mechanical centre-clamping vise MZS 120-60 A / Hirschmann Nullpunktspannsystem 9000 Jaw width: 60 mm Clamping width: 120 mm Clamping force: 16.000 mm Type: !.1818.K Palette Order Number B809600057
268 	Pneumatic centre-clamping vise PZS2 180-80 A / Hirschmann Nullpunktspannsystem 9000 Jaw width: 80 mm Clamping width: 180 mm Clamping force: 32.000 mm Type: !18.20 K Palette Order Number B809600061
269 	Clamping chuck DBF 250 / Hirschmann Nullpunktspannsystem 8000 Ø D: 250 mm Clamping range mm Outside clamping: 62 - 256 mm Internal clamping: 5 - 250 mm Type: H 8.320 Palette Order Number B809600055
270 	Clamping chuck DBF 100 / Hirschmann Nullpunktspannsystem 9000 Ø D: 100 mm Clamping range mm Outside clamping: 3 - 83 mm Internal clamping: 25 - 87 mm Type: !.1818.K Palette Order Number B809600058
271 	Electro-permanent magnetic clamping plate SPQP 3232-48 / Hirschmann Nullpunktspannsystem 8000 Nominal holding force: 350 N/cm ² Magnetic field height: 5 mm Length: 320 mm Width: 320 mm Type: H 8.320 Palette Nos. of poles: 16 Order Number B809600054
272 	Permanent magnetic clamping plate SPQP 3232 / Hirschmann Nullpunktspannsystem 8000 Nominal holding force: 180 N/cm ² Magnetic field height: 5 mm Length: 320 mm Width: 320 mm Type: H 8.320 Palette Pole pitch: 11,0 + 4,0 mm Order Number B809600053

273

Mechanical centre-clamping vise MZE 220-80 / Parotec Power-Grip Paletten 4er



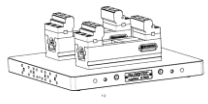
Jaw width: 80 mm Clamping width: 130 mm
Clamping force: 40.000 mm

Order Number Type: PT-4160400000

B809600043

274

Mechanical centre-clamping vise MZU 220-80 / Parotec Power-Grip Paletten 4er



Jaw width: 80 mm Clamping width: 180 / 210 mm
Clamping force: 40.000 mm

Order Number Type: PT-4160400000

B809600047

275

Mechanical centre-clamping vise MZU 360-125 / Parotec Power-Grip Paletten 4er



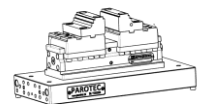
Jaw width: 125 mm Clamping width: 310 / 350 mm
Clamping force: 70.000 mm

Order Number Type: PT-4160400000

B809600048

276

Mechanical centre-clamping vise MZC 220-80 S / Parotec Power-Grip Paletten 2er



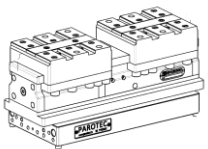
Jaw width: 80 mm Clamping width: 185 / 218 mm
Clamping force: 40.000 mm

Order Number Type: PT-4160200000

B809600041

277

Mechanical centre-clamping vise MZC 280-100 S / Parotec Power-Grip Paletten 2er



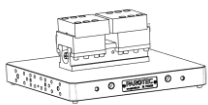
Jaw width: 80 mm Clamping width: 185 / 218 mm
Clamping force: 40.000 mm

Order Number Type: PT-4160200000

B809600040

278

Mechanical centre-clamping vise MZS 180-80 A / Parotec Power-Grip Paletten 4er



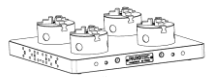
Jaw width: 80 mm Clamping width: 180 mm
Clamping force: 30.000 mm

Order Number Type: PT-4160400000

B809600044

279

Clamping chuck DBF 100 / Parotec Power-Grip Paletten 4er



Clamping range 3 / 83 mm Clamping range
Outside clamping: 3 - 83 mm
Internal clamping: 25 - 87 mm

Order Number Type: PT-4160400000

B809600050

280

Permanent magnetic clamping plate SPPM 2828 / Parotec Power-Grip Paletten 4er



Nominal holding force: 180 N/cm² Magnetic field height: 5 mm
Length: 280 mm Width: 280 mm
Pole pitch: 11,0 + 4,0 mm

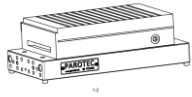
Order Number Type: PT-4160400000

B809600045

281 Permanent magnetic clamping plate SPPM 3232 / Parotec Power-Grip Paletten 4er


Nominal holding force: 180 N/cm² Magnetic field height: 5 mm
 Length: 320 mm Width: 320 mm
 Pole pitch: 11,0 + 4,0 mm

Order Number
 B809600049

282 Permanent magnetic clamping plate SPPM 2515 / Parotec Power-Grip Paletten 2er


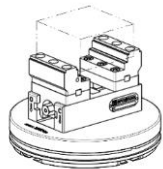
Nominal holding force: 180 N/cm² Magnetic field height: 5 mm
 Length: 250 mm Width: 150 mm
 Pole pitch: 11,0 + 4,0 mm

Order Number
 B809600042

283 Grid plate 240 x 240 / Parotec Power-Grip Paletten 4er


Length: 240 mm Width: 240 mm
 Raster: 20 - M8

Order Number
 B809600046

284 Mechanical centre-clamping vise MZU 150-80 / System 3R Matrix 220


Jaw width: 80 mm Clamping width: 112 / 140 mm
 Clamping force: 40.000 mm
 Type: 3R-690.1-220

Order Number
 B809500595

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261	B809600037	Mechanical centre-clamping vise MZU 170-60 / EROWA Palette UPC Alu	35
262	B809600038	Mechanical centre-clamping vise MZS 260-125 / EROWA Palette UPC Alu	35
263	B809600056	Mechanical centre-clamping vise MZR 150-80 / Hirschmann Nullpunktspannsystem 9000	35
264	B809600060	Mechanical centre-clamping vise MZE 220-80 / Hirschmann Nullpunktspannsystem 9000	35
265	B809600052	Mechanical centre-clamping vise MZU 320-125 / Hirschmann Nullpunktspannsystem 8000	36
266	B809600051	Mechanical centre-clamping vise MZC 280-100 S / Hirschmann Nullpunktspannsystem 8000	36
267	B809600057	Mechanical centre-clamping vise MZS 120-60 A / Hirschmann Nullpunktspannsystem 9000	36
268	B809600061	Pneumatic centre-clamping vise PZS2 180-80 A / Hirschmann Nullpunktspannsystem 9000	36
269	B809600055	Clamping chuck DBF 250 / Hirschmann Nullpunktspannsystem 8000	36
270	B809600058	Clamping chuck DBF 100 / Hirschmann Nullpunktspannsystem 9000	36
271	B809600054	Electro-permanent magnetic clamping plate SPQP 3232-48 / Hirschmann Nullpunktspannsystem 8000	36
272	B809600053	Permanent magnetic clamping plate SPQP 3232 / Hirschmann Nullpunktspannsystem 8000	36
273	B809600043	Mechanical centre-clamping vise MZE 220-80 / Parotec Power-Grip Paletten 4er	37
274	B809600047	Mechanical centre-clamping vise MZU 220-80 / Parotec Power-Grip Paletten 4er	37
275	B809600048	Mechanical centre-clamping vise MZU 360-125 / Parotec Power-Grip Paletten 4er	37
276	B809600041	Mechanical centre-clamping vise MZC 220-80 S / Parotec Power-Grip Paletten 2er	37
277	B809600040	Mechanical centre-clamping vise MZC 280-100 S / Parotec Power-Grip Paletten 2er	37
278	B809600044	Mechanical centre-clamping vise MZS 180-80 A / Parotec Power-Grip Paletten 4er	37
279	B809600050	Clamping chuck DBF 100 / Parotec Power-Grip Paletten 4er	37
280	B809600045	Permanent magnetic clamping plate SPPM 2828 / Parotec Power-Grip Paletten 4er	37
281	B809600049	Permanent magnetic clamping plate SPPM 3232 / Parotec Power-Grip Paletten 4er	38
282	B809600042	Permanent magnetic clamping plate SPPM 2515 / Parotec Power-Grip Paletten 2er	38
283	B809600046	Grid plate 280 x 280 / Parotec Power-Grip Paletten 4er	38
284	B809500595	Mechanical centre-clamping vise MZU 150-80 / System 3R Matrix 220	38
285		Mechanical centre-clamping vise MZR 120-60 / System 3R Macro Magnum	38

High price and cost pressure, ever shorter delivery times, small batch sizes with simultaneously high quality requirements. Only with increased flexibility, quality and productivity can manufacturers hold their own in global competition.

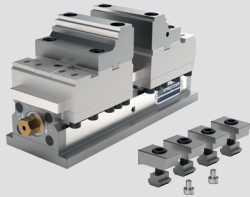
We are happy to help – with our **innovative clamping solutions for your modern production.**

We will show you how you can manufacture faster and more accurately by choosing the right clamping reduce set-up times and tool costs, and increase your productivity. **Clamping solutions for modern machining centers**

Our centric clamps, compact clamps, double clamps and alternative clamping technology components have been regarded for years as innovative and powerful solutions on state-of-the-art machining centers.

Mechanical centric clamps & compact clamps

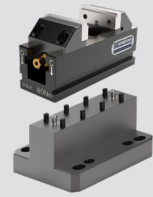
- Wide range of sizes and designs
- Powerful clamping
- Secure clamping, without pre-stamping
- Compact design



[Product catalog 2](#) 

Substructures & adapter plates

- Shortening Z-movement
- Collision-free use of short tools
- Precisely fitting on machine table and rotary table



[Product catalog 2](#) 

Mechanical zero point clamping system ZPS

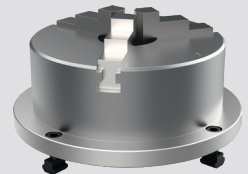
- Quick changeover, changeover
- High repeatability
- Positioning / clamping in one operation



[Product catalog 2](#) 

Mechanical three-jaw chuck

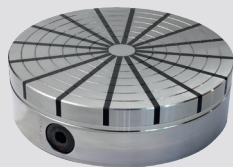
- High accuracy
- High clamping force
- Large clamping width



[Product catalog 2](#) 

Permanent magnetic chucks

- Manually operated
- Low magnetic field
- No thermal distortion



[Product catalog 9](#) 

Power-operated centric clamps & compact clamps

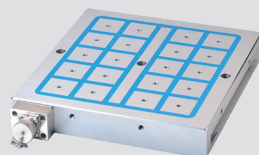
- Pneumatic / Hydraulic / Electro-mechanical
- Short clamping time, automation capable
- High clamping accuracy



[Product catalog 2](#) 

Electro-permanent magnetic chucks

- Force generation by current pulse
- Extreme holding forces
- Deformation-free clamping



[Product catalog 9](#) 

Pyramids

- Shortening Z-movement
- Multiple clamping
- Can be retrofitted at any time



[Product catalog 2](#) 

For further information and clamping technique variants, see Product catalogue.

ONLINE video consultation



In order to advise you even more comfortably, individually and precisely, we now offer a free online video consultation via Microsoft Teams oder Apple FaceTime at your preferred date and time!

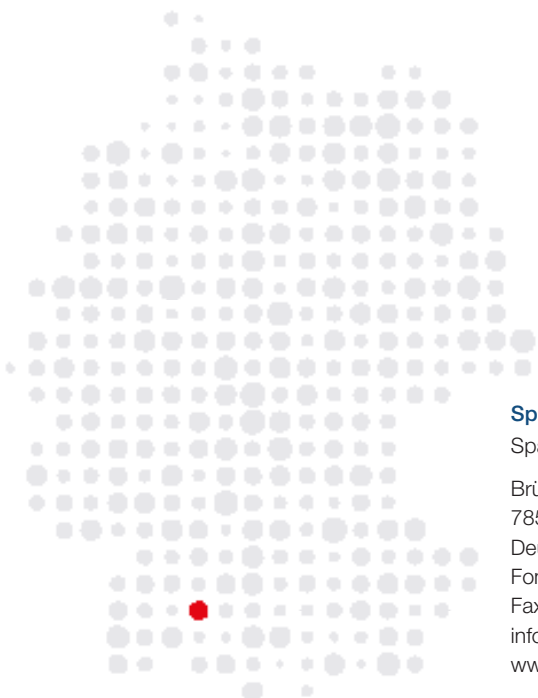
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