

RADiuS

Mess- und Spanntechnik GmbH & Co. KG



**Clamping
System
for
Coordinate Metrology**


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1. Base Elements

	Title	Base plate 500 x 400 mm
	Article No	01.001
	Material	Aluminium
	Surface	hard-coated
	Dimensions	500 x 400 x 20 mm
	Grid size	50 mm
	Pegging out drill holes	Ø 12.5 mm
	Thread	M6
Weight	10 kg	

	Title	Base plate 250 x 250 mm
	Article No	01.002
	Material	Aluminium
	Surface	hard-coated
	Dimensions	250 x 250 x 20 mm
	Grid size	50 mm
	Pegging out drill holes	Ø 12.5 mm
	Thread	M6
Weight	3 kg	

	Title	Base plate 500 x 400 mm M6
	Article No	01.003
	Material	Aluminium
	Surface	hard-coated
	Dimensions	500 x 400 x 20 mm
	Grid size	50 mm
	Pegging out drill holes	none
	Thread	M6
Weight	10 kg	

	Title	Base plate 250 x 250 mm M6
	Article No	01.004
	Material	Aluminium
	Surface	hard-coated
	Dimensions	250 x 250 x 20 mm
	Grid size	50 mm
	Pegging out drill holes	none
	Thread	M6
Weight	3 kg	

	Title	Section 25 x 25 L = xx mm	
	Material	Aluminium	
	Surface	hard-coated	
	Cross section	25 x 25 mm	
	Grid size	50 resp. 25 mm	
	Pegging out drill holes	Ø 12.5 mm	
	Thread	M6	
	Article No	Length	Weight
	01.038	250 mm	350 g
	01.039	500 mm	758 g

1. Base Elements



Title	Interchangeable plate
Article No	01.006
Material	Aluminium
Surface	hard-coated
Dimensions	75 x 50 x 20 mm
Grid size	25 mm
Pegging out drill holes	Ø 12.5 mm
Thread	M6
Weight	161 g



Title	Interchangeable plate 50 x 125
Article No	01.007
Material	Aluminium
Surface	hard-coated
Dimensions	125 x 50 x 20 mm
Grid size	25 mm
Pegging out drill holes	Ø 12.5 mm
Thread	M6
Weight	272 g



Title	Interchangeable plate 75 x 125
Article No	01.008
Material	Aluminium
Surface	hard-coated
Dimensions	125 x 75 x 20 mm
Grid size	25 mm
Pegging out drill holes	Ø 12.5 mm
Thread	M6
Weight	432 g





Title	Pegging out bushing d = 12.5
Article No	01.015
Material	Stainless steel
Dimensions	Ø 12.5 x 12 mm
Thread	M8
Weight	7 g




Title	Bracket 60 x 60
Article No	01.009
Material	Aluminium
Surface	hard-coated
Dimensions	60 x 60 x 25 mm
Grid size	25 mm
Pegging out drill holes	Ø 12.5 mm
Drill holes	Ø 6 mm
Weight	68 g

1. Base Elements

	Title	Bracket 70 x 95 universal		
	Article No	01.010		
	Material	Aluminium		
	Surface	hard-coated		
	Dimensions	70 x 95 x 25 mm		
	Grid size	12.5 mm		
	Pegging out drill holes	Ø 12.5 mm		
	Drill holes	Ø 6 mm		
Weight	103 g			

	Title	Bracket 90 x 90		
	Article No	01.011		
	Material	Aluminium		
	Surface	hard-coated		
	Dimensions	90 x 90 x 50 mm		
	Grid size	50 mm		
	Pegging out drill holes	Ø 12.5 mm		
	Drill holes	Ø 6 mm		
Weight	306 g			

	Title	Bracket 90 x 50		
	Article No	01.012		
	Material	Aluminium		
	Surface	hard-coated		
	Dimensions	90 x 50 x 50 mm		
	Grid size	50 mm		
	Pegging out drill holes	Ø 12.5 mm		
	Drill holes	Ø 6 mm		
Weight	214 g			

	Title	Section fixing strap		
	Article No	01.014		
	Material	Aluminium		
	Surface	hard-coated		
	Dimensions	160 x 50 x 35 mm		
	Groove widths	6 and 12 mm		
	Weight	194 g		

	Title	Reduction bushing for base plates;		
		M xx		
	Material	Stainless steel		
		Article No	for screws	Weight
		01.016	M 10	12 g
	01.017	M 8	21 g	
	01.040	M 6	29 g	

1. Base Elements



Title	Switch magnet M8
Article No	01.005
Dimensions	80 x 50 x 55 mm
Thread	M 8
Weight	990 g





Title	Section 50 x 50 L = xx mm
Material	Aluminium
Surface	hard-coated
Cross section	50 x 50 mm
Grid size	50 mm
Pegging out drill holes	Ø 12.5 mm
Thread	M6


Article No	Length	Weight
01.018	150 mm	615 g
01.019	200 mm	825 g
01.020	250 mm	1.035 g
01.021	300 mm	1.245 g
01.022	350 mm	1.455 g
01.023	400 mm	1.665 g
01.024	450 mm	1.875 g
01.025	500 mm	2.085 g
01.026	550 mm	2.295 g
01.027	600 mm	2.505 g
01.028	650 mm	2.715 g
01.029	700 mm	2.925 g
01.030	750 mm	3.135 g
01.031	800 mm	3.345 g
01.032	850 mm	3.555 g
01.033	900 mm	3.765 g
01.034	950 mm	3.975 g
01.035	1000 mm	4.185 g


Other lengths on inquiry


2. Locating Pins

	Title	Locating pin d = 20; L = xx mm		
	Material	Aluminium		
	Surface	hard-coated		
	Diameter	20 mm		
	Thread	M6		
	Centre hole	Ø 12.5 mm		
	Article No	Length	Weight	
	02.001	100 mm	74 g	
	02.002	90 mm	66 g	
	02.003	80 mm	58 g	
	02.004	70 mm	51 g	
	02.005	60 mm	42 g	
	02.006	50 mm	35 g	
	02.007	40 mm	26 g	

	Title	Locating pin d = 20; L = xx mm		
	Material	Aluminium		
	Surface	hard-coated		
	Diameter	20 mm		
	Thread	M6		
	Article No	Length	Weight	
	02.008	30 mm	22 g	
	02.009	25 mm	18 g	

	Title	Locating pin d = 20; L = xx mm		
	Material	Aluminium		
	Surface	hard-coated		
	Diameter	20 mm		
	Article No	Length	Weight	
	02.010	20 mm	15 g	
	02.011	15 mm	10 g	
	02.012	12.5 mm	9 g	
	02.013	10 mm	7 g	
	02.014	2.5 mm	1 g	

	Title	Locating pin d = 20; L = 35 with drill hole Ø 8		
	Article No	02.015		
	Material	Aluminium		
	Surface	hard-coated		
	Diameter	20 mm		
	Length	35 mm		
	Drill hole	Ø 8 mm		
	Thread	M6		
	Centre hole	Ø 12.5 mm		
	Weight	24 g		

	Title	Locating pin M12 x 1 with drill hole Ø 8		
	Article No	02.016		
	Material	Aluminium		
	Surface	hard-coated		
	Diameter	20 mm		
	Length	64 mm		
	Drill hole	Ø 8 mm		
	Thread	M12 x 1		
	Weight	37 g		

2. Locating Pins



Title	Locating pin M12 x 1 with thread M6
Article No	02.017
Material	Aluminium
Surface	hard-coated
Diameter	20 mm
Length	64 mm
Thread	M12 x 1
Internal thread	M6
Weight	35 g



Title	Locating pin d = 20 with internal thread M12 x 1
Article No	02.018
Material	Aluminium
Surface	hard-coated
Diameter	20 mm
Length	65 mm
Thread	M12 x 1 / M6
Centre hole	Ø 12.5 mm
Weight	38 g



Title	Joint d=20
Article No	02.021
Material	Aluminium
Surface	hard-coated
Diameter	20 mm
Full length	60 mm
Thread	M6
Weight	44 g



Title	Adapter M6 / M8 d = 20 L = 30 mm
Article No	02.022
Material	Aluminium
Surface	hard-coated
Diameter	20 mm
Length	30 mm
Thread	M6 / M8
Weight	22 g

3. Locating Clips

	<p>Title Article No Material Surface Dimensions Groove width Weight</p>	<p>Locating clip with groove 03.001 Aluminium hard-coated 100 x 20 x 10 mm 6 mm 37 g</p>
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	<p>Title Article No Material Surface Dimensions Groove width Thread Weight</p>	<p>Locating clip M6 03.002 Aluminium hard-coated 100 x 20 x 10 mm 6 mm M6 38g</p>
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	<p>Title Article No Material Surface Dimensions Groove width Thread Weight</p>	<p>Locating clip M12 x 1 03.003 Aluminium hard-coated 100 x 20 x 10 mm 6 mm M12 x 1 36 g</p>
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	<p>Title Article No Material Surface Dimensions Groove width Drill hole Weight</p>	<p>Locating clip with drill hole Ø 8 03.004 Aluminium hard-coated 100 x 20 x 10 mm 6 mm Ø 8 mm 38 g</p>
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	<p>Title Article No Material Surface Dimensions Groove width Drill hole Weight</p>	<p>Slit locating clip 03.005 Aluminium hard-coated 125 x 15 x 25 mm 6 mm Ø 20 mm 59 g</p>
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3. Locating Clips



Title	Locating clip M6 20x20
Article No	03.006
Material	Aluminium
Surface	hard-coated
Dimensions	58 x 20 x 20 mm
Groove width	6 mm
Thread	M6
Weight	47 g



Title	Locating clip M6 with drill holes Ø 8
Article No	03.007
Material	Aluminium
Surface	hard-coated
Dimensions	100 x 20 x 10 mm
Drill holes	Ø 8 mm
Thread	M6
Weight	49 g

4. Fixing Elements



Title	Fixing block M6
Article No	04.001
Material	Aluminium
Surface	hard-coated
Dimensions	50 x 15 x 20 mm
Thread	M6
Drill holes	Ø 6 mm
Weight	31 g



Title	Fixing block M4
Article No	04.002
Material	Aluminium
Surface	hard-coated
Dimensions	35.5 x 15 x 12.5 mm
Thread	M4
Drill holes	Ø 6 mm
Weight	15 g



Title	Cube M6
Article No	04.003
Material	Aluminium
Surface	hard-coated
Dimensions	20 x 20 x 20 mm
Thread	M6
Drill holes	Ø 6 mm
Weight	17 g



Title	Clip end-stop d=8
Article No	04.004
Material	Aluminium
Surface	hard-coated
Dimensions	24 x 24 x 20 mm
Thread	M4
Drill holes	Ø 8 mm
Weight	15 g



Title	Articulated arm M6; L = 320 mm
Article No	04.005
Material	Steel / Aluminium
Surface	chromed plated resp. brown / hard-coated
Full length	320 mm
Clamping	mechanical
Thread	M6
Weight	734 g

5. Support Elements



Title	Support cone d = 8
Article No	05.001
Material	Stainless steel
Outer diameter	20 mm
Pivot diameter	8 mm
Weight	26 g



Title	Support area d = 8
Article No	05.003
Material	Stainless steel
Outer diameter	20 mm
Pivot diameter	8 mm
Weight	18 g



Title	Support angle d = 8
Article No	05.005
Material	Stainless steel
Outer diameter	20 mm
Pivot diameter	8 mm
Weight	26 g




Title	Support corner d = 8
Article No	05.007
Material	Stainless steel
Outer diameter	20 mm
Pivot diameter	8 mm
Weight	28 g





Title	Support prism round d=8; $\alpha=120^\circ$
Article No	05.009
Material	Stainless steel
Outer diameter	20 mm
Pivot diameter	8 mm
Weight	24 g


5. Support Elements

	Title Support sphere d = xx; D = xx				
	Material Stainless steel				
	Article No	Sphere Ø (D)	Pivot Ø (d)	Outer Ø	Useful height
05.011	10 mm	8 mm	20 mm	30 mm	29 g
05.012	5 mm	8 mm	20 mm	20 mm	20 g


	Title Support cylinder d = 8; D = xx			
	Material Stainless steel			
	Outer diameter 20 mm	Pivot diameter 8 mm	Article No	Spigots Ø (D)
		05.014	4 mm	19 g
		05.015	5 mm	19 g
		05.016	6 mm	20 g
		05.017	6,5 mm	20 g
		05.018	8 mm	21 g
		05.019	8,5 mm	21 g
		05.020	10 mm	22 g
		05.021	12 mm	24 g


	Title Cylindrical pin d = 8; L = xx mm			
	Material Stainless steel			
	Diameter 8 mm		Article No	Length (L)
		05.022	32 mm	14 g
		05.023	50 mm	21 g
		05.024	70 mm	29 g
		05.025	80 mm	33 g

	Title Cylindrical pin with thread M6; L = xx mm				
	Material Stainless steel				
	Outer diameter 12 mm	Cylinder diameter 8 mm	Thread M6	Article No	Cylinder length (L)
		05.026	75 mm	35 g	
		05.036	40 mm	21 g	
		05.037	25 mm	15 g	


	Title Magnet d = xx; L = 40 mm			
	Overall length 40 mm			
	Lower part:		Article No	Magnet Ø (d)
Material Aluminium				
Surface hard-coated				
Outer diameter 20 mm				
Thread M6				
		05.029	13 mm	40 g
		05.030	16 mm	48 g


5. Support Elements

	Title	Pressure screw with sphere M6; L=26mm A2
	Article No	05.032
	Material	Stainless steel
	Thread	M6
	Length	26 mm
	Weight	5 g

	Title	Cylindrical pin with internal thread M5; d = 8; L = 100mm
	Article No	05.033
	Material	Stainless steel
	Diameter	8 mm
	Length	100 mm
	Internal thread	M5
Weight	38 g	

	Title	Support prism flat xx°	
	Material	Stainless steel	
	Width	40 mm	
	Thickness	5 mm	
	Drill holes	Ø 6 mm	
	Drill hole distance	25.5 mm	
	Article No	Support angle	Weight
	05.027	90°	56 g
	05.028	120°	50 g

	Title	Centring taper d=25
	Article No	05.034
	Material	Stainless steel
	Diameter	25 mm
	Length	24 mm
	Drill hole	Ø 8 mm
Weight	55 g	

	Title	Centring taper for one direction d=25
	Article No	05.035
	Material	Stainless steel
	Diameter	25 mm
	Length	24 mm
	Drill hole	Ø 8 mm
Weight	51 g	

6. Tensioning Devices



Title	Toggle clamp M4 type 1
Article No	06.001
Material	Steel / Rubber
Surface	zinc
Thread (pressure screw)	M4
Weight	26 g



Title	Toggle clamp M4 type 2
Article No	06.019
Material	Steel / Rubber
Surface	zinc
Thread (pressure screw)	M4
Weight	38 g



Title	Toggle clamp M5
Article No	06.002
Material	Steel / Rubber
Surface	zinc
Thread (pressure screw)	M5
Weight	109 g




Title	Toggle clamp M8 type 1
Article No	06.003
Material	Steel / Rubber
Surface	zinc
Thread (pressure screw)	M8
Weight	234 g




Title	Toggle clamp M8 type 2
Article No	06.020
Material	Steel / Rubber
Surface	zinc
Thread (pressure screw)	M8
Weight	324 g

6. Tensioning Devices

	Title	Pressure screw M xx, long		
	Material	Steel / Rubber		
	Surface	zinc		
		Article No	Thread	Length
	06.004	M 4	32 mm	4 g
	06.005	M 6	54 mm	16 g
	06.006	M 8	83 mm	38 g

	Title	Pressure screw M xx x xx with joint		
	Material	Steel		
	Surface	zinc		
		Article No	Thread	Length
	06.007	M 5	37 mm	11 g
	06.008	M 6	52 mm	17 g
	06.009	M 8	78 mm	41 g

	Title	Spring clip L=xx		
	Material	Aluminium / Steel		
	Surface	hard-coated / chromium plated		
	Drill hole	Ø 8 mm		
	Article No	Nominal length	Weight	
	06.010	40 mm	12 g	
	06.011	60 mm	13 g	

	Title	Spring L=xx		
	Material	Steel		
	Surface	chromium plated		
	Drill hole	Ø 4 mm		
	Article No	Nominal length	Weight	
	06.012	40 mm	3 g	
	06.013	60 mm	4 g	

	Title	Quick clamp M6; ws xx		
	Material	Aluminium / Steel		
	Thread	M6		
		Article No	Wingspan	Weight
	06.014	50 mm	151 g	
	06.021	25 mm	39 g	

6. Tensioning Devices



Title	Three-jaw power chuck d=80 mm
Article No	06.015
External chucking	2 – 80 mm
Internal chucking	25 – 78 mm
Base plate:	
Material	Aluminium
Surface	hard-coated
Dimensions	125 x 125 x 20 mm
Grid size	25 mm
Pegging out drill holes	Ø 12.5 mm
Thread	M6
Weight	1968 g



Title	Knurled nut M6; A2
Article No	06.022
Material	Stainless steel
Diameter	24 mm
Thickness	6 mm
Thread	M6
Weight	16 g



Title	Knurled thumb screw M6
Article No	06.023
Material	Steel
Surface	black-finished
Diameter	24 mm
Overall length	45 mm
Thread	M6
Thread length	40 mm
Weight	23 g



Title	Quick-release nut M6
Article No	06.024
Material	Steel
Surface	black-finished
Diameter	24 mm
Thickness	14 mm
Thread	M6
Weight	34 g

7. Fasteners and Tools



Fasteners

Article No	Title
07 001	Cheese head screw with hexagon socket M4 x 12 ZN
07 002	Cheese head screw with hexagon socket M4 x 16 ZN
07 003	Cheese head screw with hexagon socket M5 x 8 ZN
07 004	Cheese head screw with hexagon socket M6 x 16 ZN
07 005	Cheese head screw with hexagon socket M6 x 20 ZN
07 006	Cheese head screw with hexagon socket M6 x 25 ZN
07 007	Cheese head screw with hexagon socket M6 x 30 ZN
07 008	Cheese head screw with hexagon socket M6 x 35 ZN
07 009	Cheese head screw with hexagon socket M6 x 40 ZN
07 010	Cheese head screw with hexagon socket M6 x 45 ZN
07 011	Cheese head screw with hexagon socket M6 x 50 ZN
07 012	Cheese head screw with hexagon socket M6 x 55 ZN
07 013	Cheese head screw with hexagon socket M6 x 60 ZN
07 014	Cheese head screw with hexagon socket M6 x 65 ZN
07 015	Cheese head screw with hexagon socket M6 x 70 ZN
07 016	Cheese head screw with hexagon socket M6 x 30 ZN flat
07 017	Cheese head screw with hexagon socket M6 x 35 ZN flat
07 018	Cheese head screw with hexagon socket M8 x 25 ZN
07 019	Cheese head screw with hexagon socket M10 x 25 ZN
07 020	Cheese head screw with hexagon socket M12 x 25 ZN
07 021	Washer d = 4.3 ZN
07 022	Washer d = 6,4 ZN
07 023	Washer d = 5.3 / D = 14.5; 2 thick; ZN
07 024	Washer d = 6.4 / D = 17; 3 thick; ZN
07 025	Lock washer d = 4.3 ZN
07 026	Lock washer d = 6.4 ZN
07 027	Hexagon nut M5 ZN
07 028	Hexagon nut M6 ZN
07 029	Threaded pin M6 x 20 ZN
07 030	Threaded pin M6 x 25 ZN
07 031	Threaded pin M6 x 30 ZN
07 032	Threaded pin M6 x 40 ZN
07 033	Threaded pin M6 x 50 ZN
07 053	Threaded pin M6 x 60 ZN
07 038	Hexagon screw M5 x 30 ZN
07.039	Hexagon screw M5 x 50 ZN
07 034	Clamping screw M6x30 A2 flat
07 035	Clamping screw M6x35 A2 flat
07 036	Clamping screw M6x60 12.5 A2 flat
07 037	Clamping screw M6x60 17.5 A2 flat



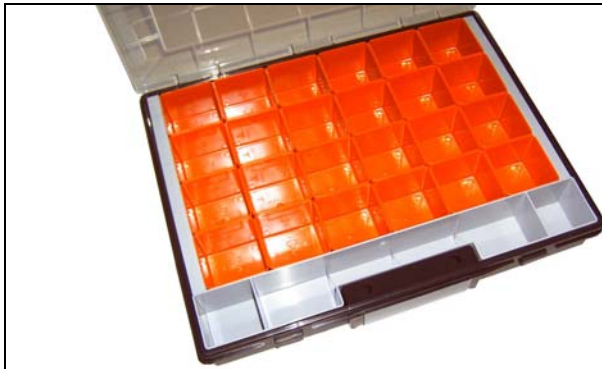
7. Fasteners and Tools



Tools

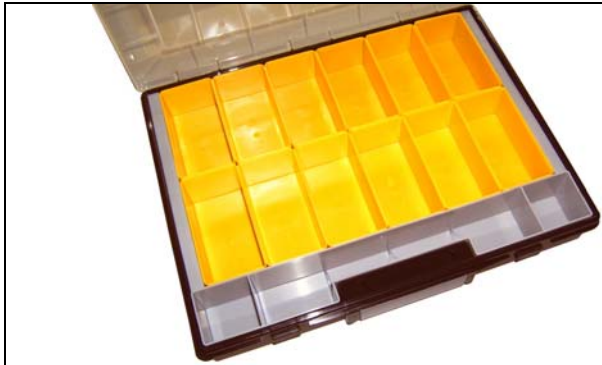
Article No	Title
07 040	Open ended spanner 7 mm chromium plated
07 041	Open ended spanner 8 mm chromium plated
07 042	Open ended spanner 10 mm chromium plated
07 043	Open ended spanner 13 mm chromium plated
07 044	Open ended spanner 19 mm chromium plated
07 045	Allan key 2 mm, long with spherical head, nickel plated
07 046	Allan key 3 mm, long with spherical head, nickel plated
07 047	Allan key 4 mm, long with spherical head, nickel plated
07 048	Allan key 5 mm, long with spherical head, nickel plated
07 049	Allan key 5 mm with gudgeon, nickel plated
07 050	Stud spanner d = 3 mm
07 051	Stud spanner d = 4 mm
07 052	Stud spanner d = 5 mm

8. Elements for Storage and Transportation



Title	Case 365 x 295 for fasteners
Article No	08.001
Material	Plastic
Dimensions	365 x 295 x 55 mm
Weight	918 g

Removable boxes



Title	Case 365 x 295 for elements
Article No	08.002
Material	Plastic
Dimensions	365 x 295 x 55 mm
Weight	858 g

Removable boxes

9. Assembly Kits



Kit 3

Article No 09 003

Summary look next sheet

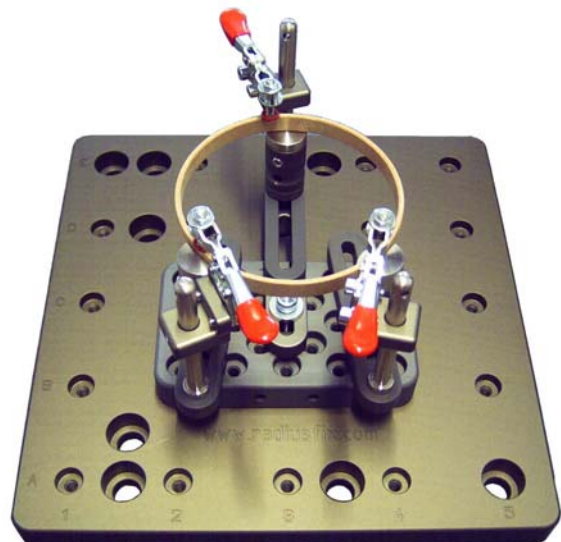
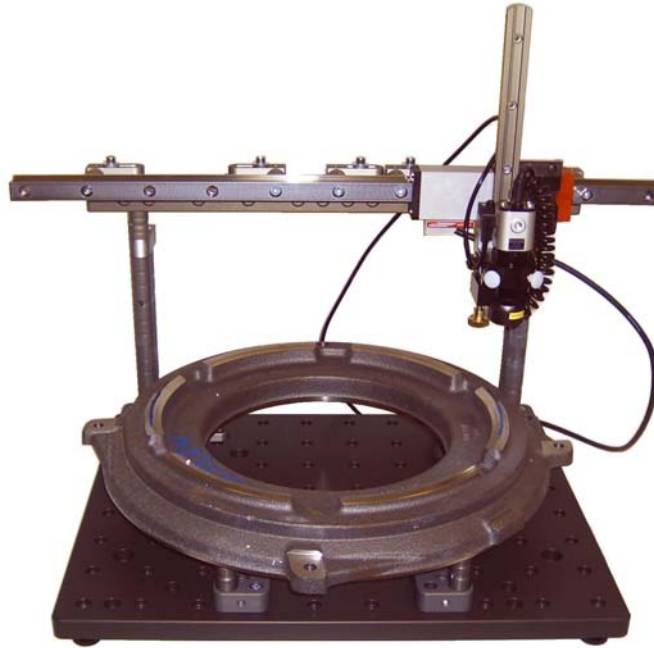
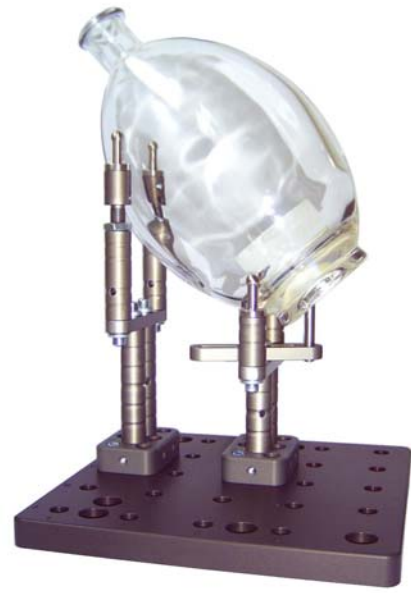
9. Assembly Kits

Title	Article No	Page	Number of pieces					Quick clamping kit Art. No. 09 006
			Kit 1 Art. No. 09 001	Kit 2 Art. No. 09 002	Kit 3 Art. No. 09 003	Kit 4 Art. No. 09 004	Kit 5 Art. No. 09 005	
Base plate 500 x 400 mm	01 001	1.1		1	1			
Base plate 250 x 250 mm	01 002	1.1	1					
Base plate 500 x 400 mm M6	01 003	1.1				1		
Interchangeable plate	01 006	1.2			3		4	
Bracket 70 x 95	01 010	1.3					1	
Bracket 90 x 90	01 011	1.3					6	
Bracket 90 x 50	01 012	1.3					2	
Pegging out bushing d = 12.5	01 015	1.2	20	20	20		50	
Section 50x50 L=250	01 020	1.4					2	
Section 50x50 L=500	01 025	1.4					2	
Section 50x50 L=1000	01 035	1.4					4	
Section 25x25 L=250	01 038	1.1					1	
Locating pin d = 20; L = 100 mm	02 001	2.1	2	2	3	3	5	
Locating pin d = 20; L = 50 mm	02 006	2.1	2	2	3	3	5	
Locating pin d = 20; L = 40 mm	02 007	2.1					5	
Locating pin d = 20; L = 30 mm	02 008	2.1	2	2	3	3	5	
Locating pin d = 20; L = 15 mm	02 011	2.1					4	
Locating pin d = 20; L = 10 mm	02 013	2.1	2	2	3	3	5	
Locating pin d = 20; L = 2.5 mm	02 014	2.1					4	
Locating pin d = 20 L = 35 with drilled hole Ø 8	02 015	2.1	2	2	4	4	4	
Locating pin M12 x 1 with drilled hole Ø 8	02 016	2.1	2	2	2	2	2	
Locating pin M12 x 1 with thread M6	02 017	2.2			1	1	1	
Locating pin d=20 with internal thread M12x1	02 018	2.2					1	
Joint d=20	02 021	2.2			1	1	2	
Locating clip	03 001	3.1	1	1	1	1	1	
Locating clip M6	03 002	3.1	3	3	3	3	3	
Locating clip M12 x 1	03 003	3.1	2	2	3	3	3	
Locating clip with drilled hole Ø 8	03 004	3.1	1	1	2	2	2	
Locating clip with slit	03 005	3.1	3	3	3	3	3	
Locating clip M6 20x20	03 006	3.2			2		2	
Locating clip M6 with drill holes Ø 8	03 007	3.2						3
Fixing block M6	04 001	4.1	2	2	2	2	2	
Fixing block M4	04 002	4.1	2	2	2	2	2	
Cube M6	04 003	4.1	1	1	1	1	2	
Clip end-stop d=8	04 004	4.1					1	
Articulated arm M6; L = 320mm	04 005	4.1						3
Support cone d = 8	05 001	5.1	2	2	2	2	2	
Support area d = 8	05 003	5.1	2	2	2	2	2	
Support angle d = 8	05 005	5.1	1	1	1	1	1	
Support corner d = 8	05 007	5.1	1	1	1	1	1	
Support prism round d=8; α=120°	05 009	5.1					2	
Support sphere d = 8; D = 10	05 011	5.2	3	3	3	3	3	
Support cylinder d = 8; D = 6.5	05 017	5.2	1	1	1	1	1	
Support cylinder d = 8; D = 8,5	05 019	5.2	1	1	1	1	1	
Cylindrical pin d = 8; L = 30 mm	05 022	5.2	2	2	2	2	4	
Cylindrical pin d = 8; L = 50 mm	05 023	5.2	2	2	2	2	4	2
Cylindrical pin d = 8; L = 70 mm	05 024	5.2	2	2	2	2	4	
Cylindrical pin d = 8; L = 80 mm	05 025	5.2	2	2	2	2	4	2
Cylindrical pin with thread M6	05 026	5.2					2	
Magnet d = 16; L = 40 mm	05 030	5.2					2	1
Pressure screw M6 with sphere; L = 26mm	05 032	5.3					3	3
Toggle clamp M4 type 1	06 001	6.1	2	2	2	2	2	
Toggle clamp M8 type 1	06 003	6.1	2	2	2	2	2	
Pressure screw M4, long	06 004	6.2	1	1	1	1	2	
Pressure screw M8, long	06 006	6.2	1	1	1	1	2	
Spring clip L=40	06 010	6.2			1	1	2	2
Spring clip L=60	06 011	6.2			2	2	2	2

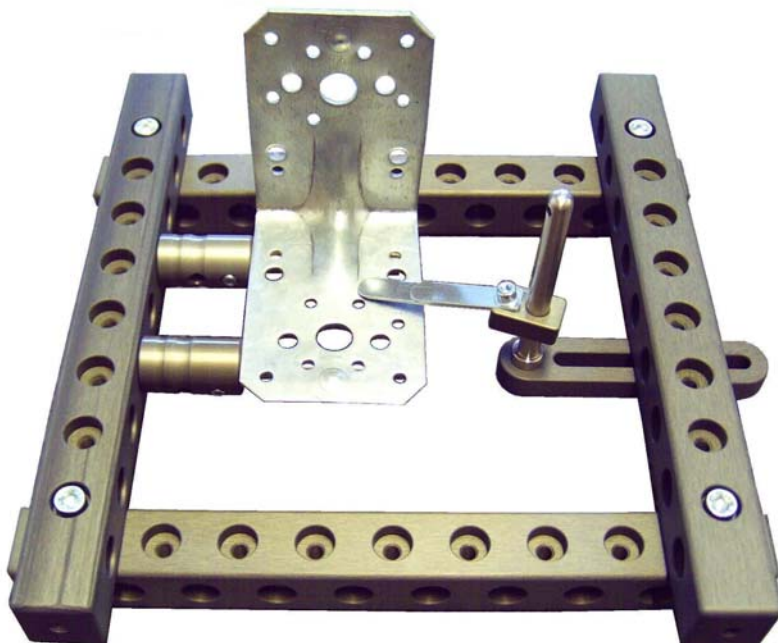
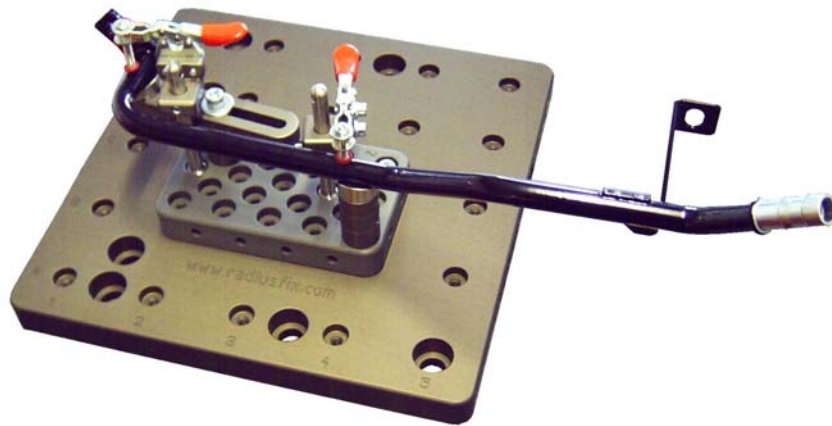
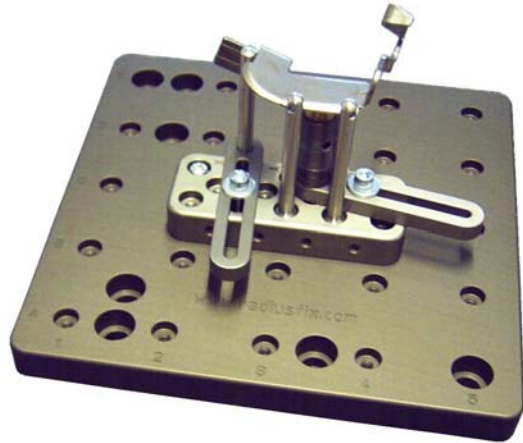
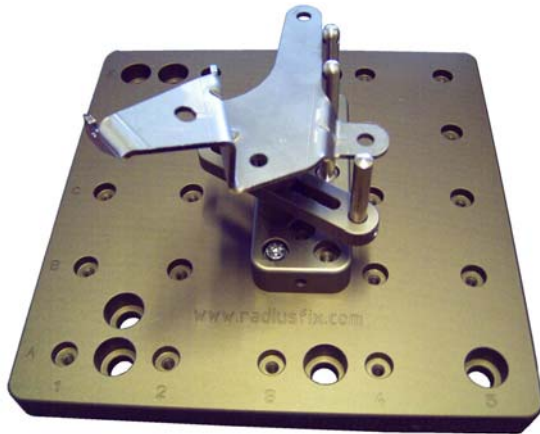
9. Assembly Kits

Title	Article No Nr.	Page	Number of pieces					Quick clamping kit Art. No. 09 006
			Kit 1 Art. No. 09 001	Kit 2 Art. No. 09 002	Kit 3 Art. No. 09 003	Kit 4 Art. No. 09 004	Kit 5 Art. No. 09 005	
Spring L=40	06 012	6.2					1	
Spring L=60	06 013	6.2					1	
Quick clamp M6; ws 50	06 014	6.2						1
Cheese head screw with hexagon socket M4 x 12 ZN	07 001	7.1	10	10	10	10	10	
Cheese head screw with hexagon socket M6 x 16 ZN	07 004	7.1	10	10	10	10	10	
Cheese head screw with hexagon socket M6 x 20 ZN	07 005	7.1	12	12	12	12	12	
Cheese head screw with hexagon socket M6 x 25 ZN	07 006	7.1	12	12	12	12	12	
Cheese head screw with hexagon socket M6 x 30 ZN	07 007	7.1	20	20	20	20	60	
Cheese head screw with hexagon socket M6 x 35 ZN	07 008	7.1	10	10	10	10	10	
Cheese head screw with hexagon socket M6 x 40 ZN	07 009	7.1	4	4	4	4	4	
Cheese head screw with hexagon socket M6 x 45 ZN	07 010	7.1	4	4	4	4	4	
Cheese head screw with hexagon socket M6 x 50 ZN	07 011	7.1	4	4	4	4	4	
Cheese head screw with hexagon socket M6 x 55 ZN	07 012	7.1					4	
Cheese head screw with hexagon socket M6 x 60 ZN	07 013	7.1					4	
Cheese head screw with hexagon socket M6 x 65 ZN	07 014	7.1					4	
Cheese head screw with hexagon socket M6 x 70 ZN	07 015	7.1					4	
Cheese head screw with hexagon socket M6 x 30 ZN flat	07 016	7.1	2	2	2	2	2	
Cheese head screw with hexagon socket M6 x 35 ZN flat	07 017	7.1	2	2	2	2	2	
Cheese head screw with hexagon socket M12 x 25 ZN	07 020	7.1	2	2	2	2		
Washer d = 4.3 ZN	07 021	7.1	10	10	10	10	10	
Washer d = 6.4 ZN	07 022	7.1	10	10	10	10	10	
Washer d = 6.4 / D = 17; 3 dick; ZN	07 024	7.1	25	25	25	25	50	
Lock washer = 4.3 ZN	07 025	7.1	10	10	10	10	10	
Lock washer d = 6.4 ZN	07 026	7.1	50	50	50	50	100	
Hexagon nut M6 ZN	07 028	7.1	10	10	10	10	10	
Threaded pin M6 x 20 ZN	07 029	7.1	6	6	6	6	5	3
Threaded pin M6 x 25 ZN	07 030	7.1	10	10	10	10	20	
Threaded pin M6 x 30 ZN	07 031	7.1	15	15	15	15	20	
Threaded pin M6 x 40 ZN	07 032	7.1	5	5	5	5	10	
Open ended spanner 7 mm	07 040	7.2	2	2	2	2	2	
Open ended spanner 10 mm	07 042	7.2	1	1	1	1	1	1
Open ended spanner 13 mm	07 043	7.2	2	2	2	2	2	
Open ended spanner 19 mm	07 044	7.2	1	1	1	1	1	
Allan key, long with spherical head SW 3, chromed	07 046	7.2	1	1	1	1	1	1
Allan key, long with spherical head SW 5, chromed	07 048	7.2	1	1	1	1	1	
Allan key SW 5 with gudgeon – nickel-plated	07 049	7.2	1	1	1	1	1	
Stud spanner d = 3 mm	07 050	7.2					1	
Stud spanner d = 5 mm	07 052	7.2	2	2	2	2	2	1
Case 365 x 295 for fasteners	08 001	8.1	1	1	1	1	1	
Case 365 x 295 for elements	08 002	8.1	1	1	1	1	1	

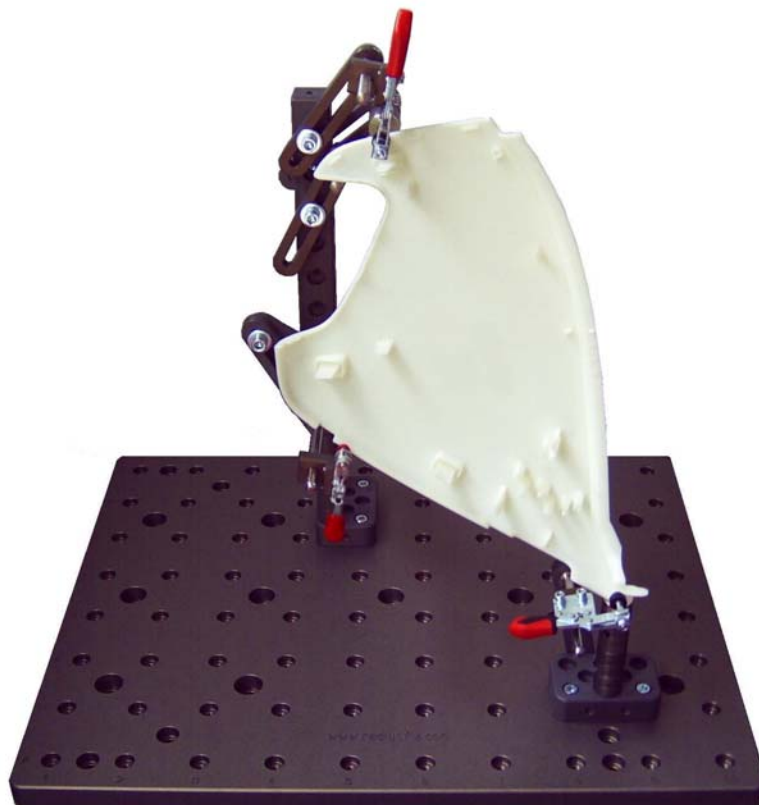
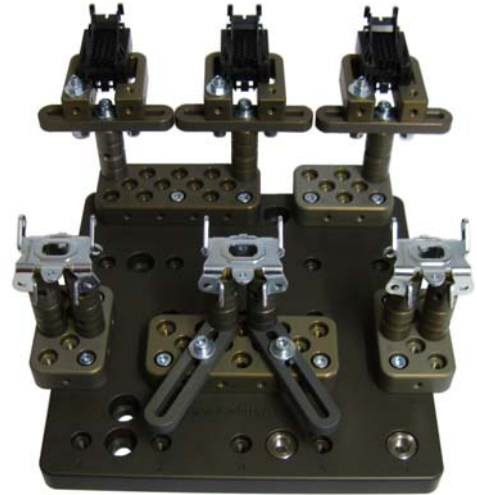
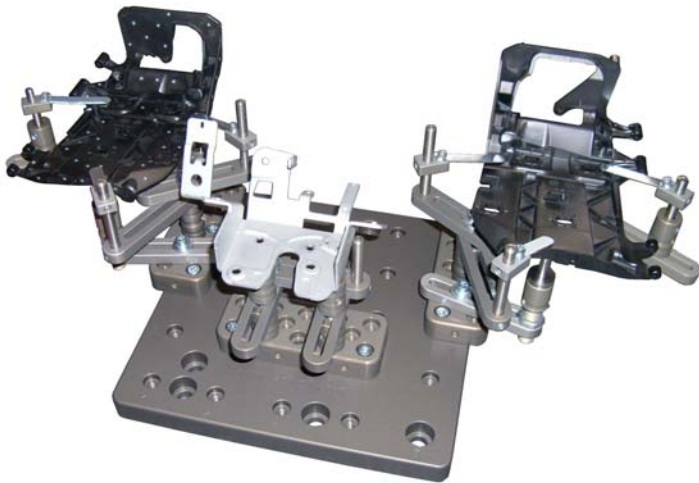
10. Clamping Examples



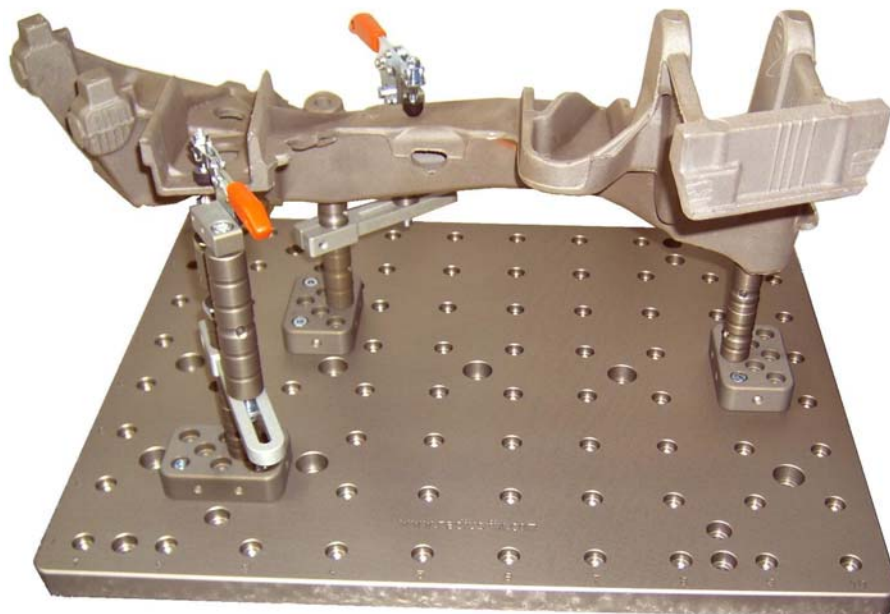
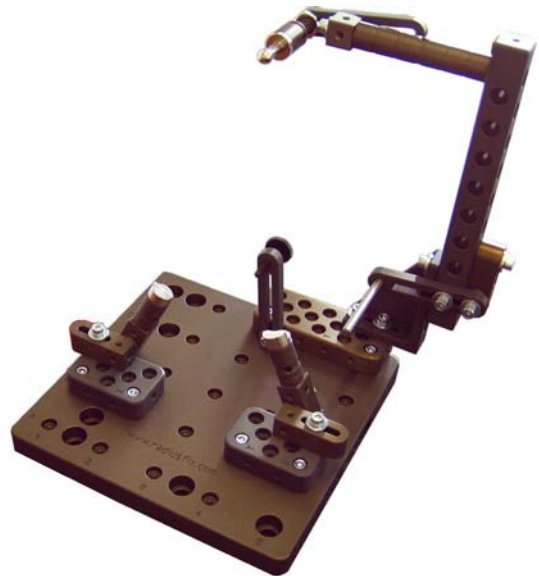
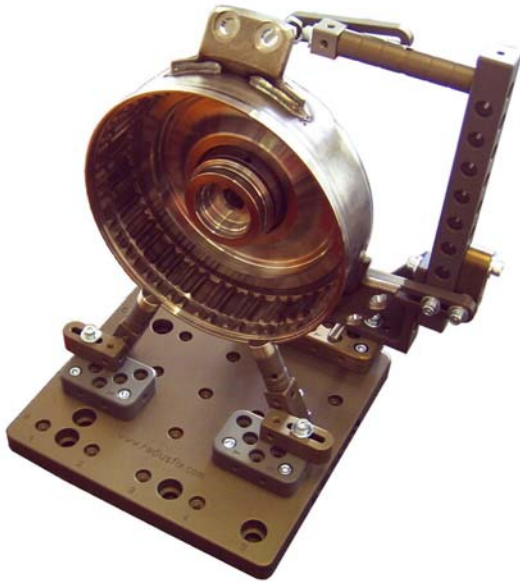
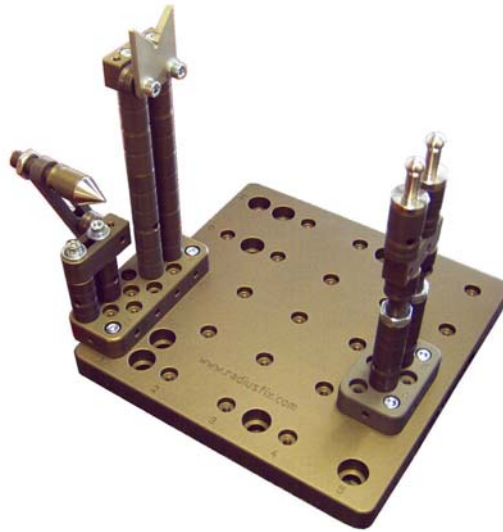
10. Clamping Examples



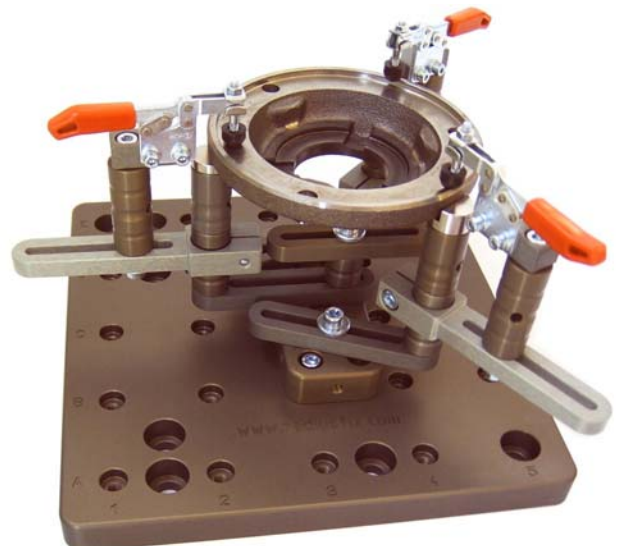
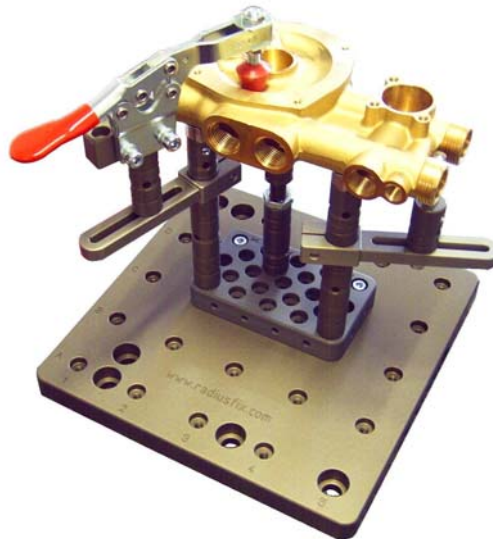
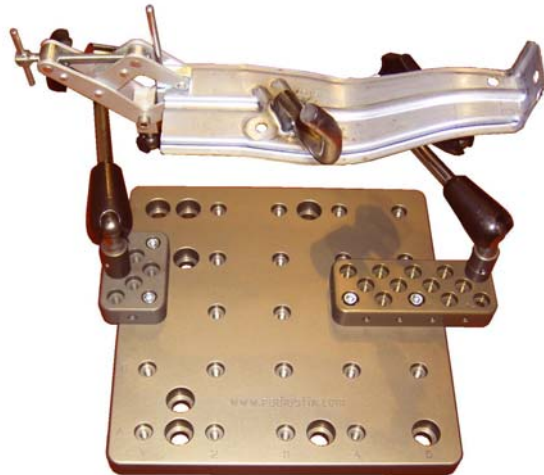
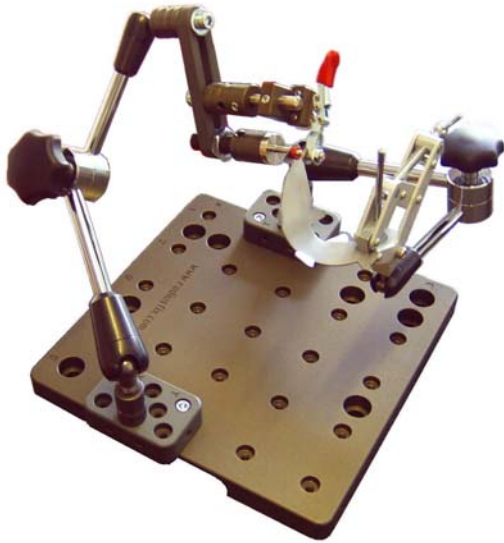
10. Clamping Examples



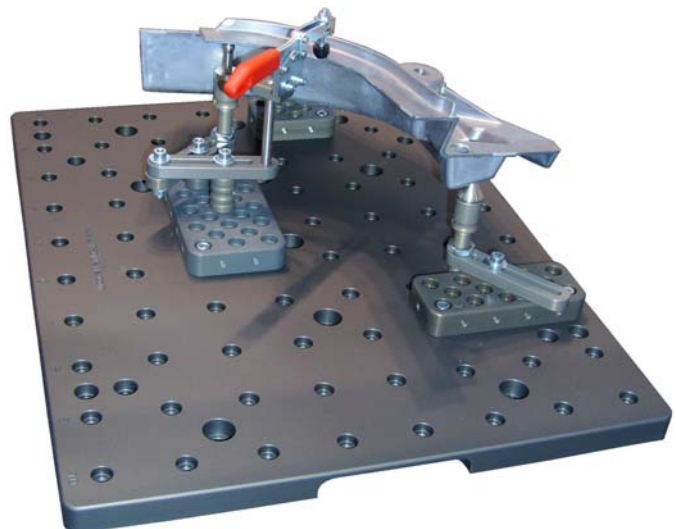
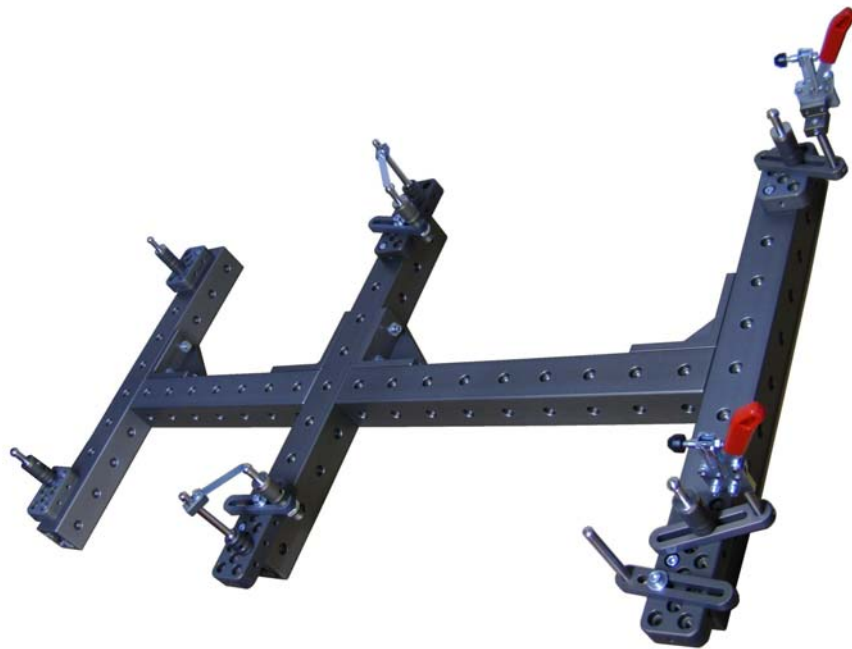
10. Clamping Examples



10. Clamping Examples



10. Clamping Examples



Price-list

Title	Article No	Page	Price € / each
Base plate 500 x 400 mm	01 001	1.1	1.160,00
Base plate 250 x 250 mm	01 002	1.1	420,00
Base plate 500 x 400 mm M6	01 003	1.1	630,00
Base plate 250 x 250 mm M6	01 004	1.1	325,00
Switch magnet M8	01 005	1.4	93,50
Interchangeable plate	01 006	1.2	59,00
Interchangeable plate 50 x 125	01 007	1.2	99,50
Interchangeable plate 75 x 125	01 008	1.2	125,00
Bracket 60 x 60	01 009	1.2	80,00
Bracket 70 x 95	01 010	1.3	84,00
Bracket 90 x 90	01 011	1.3	88,00
Bracket 90 x 50	01 012	1.3	80,00
Section fixing strap	01 014	1.3	89,00
Pegging out bushing d = 12.5	01 015	1.2	2,95
Reduction bushing for base plates; M 10	01 016	1.3	11,50
Reduction bushing for base plates; M 8	01 017	1.3	11,50
Section 50x50 L=150	01 018	1.4	140,00
Section 50x50 L=200	01 019	1.4	140,00
Section 50x50 L=250	01 020	1.4	155,00
Section 50x50 L=300	01 021	1.4	165,00
Section 50x50 L=350	01 022	1.4	195,00
Section 50x50 L=400	01 023	1.4	200,00
Section 50x50 L=450	01 024	1.4	245,00
Section 50x50 L=500	01 025	1.4	265,00
Section 50x50 L=550	01 026	1.4	275,00
Section 50x50 L=600	01 027	1.4	305,00
Section 50x50 L=650	01 028	1.4	325,00
Section 50x50 L=700	01 029	1.4	345,00
Section 50x50 L=750	01 030	1.4	365,00
Section 50x50 L=800	01 031	1.4	390,00
Section 50x50 L=850	01 032	1.4	405,00
Section 50x50 L=900	01 033	1.4	415,00
Section 50x50 L=950	01 034	1.4	425,00
Section 50x50 L=1000	01 035	1.4	445,00
Section 25x25 L=250	01 038	1.1	152,00
Section 25x25 L=500	01 039	1.1	259,00
Reduction bushing for base plates; M 6	01 040	1.3	11,50
Locating pin d = 20; L = 100 mm	02 001	2.1	22,60
Locating pin d = 20; L = 90 mm	02 002	2.1	22,50
Locating pin d = 20; L = 80 mm	02 003	2.1	21,00
Locating pin d = 20; L = 70 mm	02 004	2.1	20,80
Locating pin d = 20; L = 60 mm	02 005	2.1	19,00
Locating pin d = 20; L = 50 mm	02 006	2.1	18,70
Locating pin d = 20; L = 40 mm	02 007	2.1	18,60
Locating pin d = 20; L = 30 mm	02 008	2.1	16,60
Locating pin d = 20; L = 25 mm	02 009	2.1	15,00
Locating pin d = 20; L = 20 mm	02 010	2.1	13,90
Locating pin d = 20; L = 15 mm	02 011	2.1	13,50
Locating pin d = 20; L = 12.5 mm	02 012	2.1	12,80
Locating pin d = 20; L = 10 mm	02 013	2.1	12,80
Locating pin d = 20; L = 2.5 mm	02 014	2.1	11,50
Locating pin d = 20 L = 35 with drilled hole Ø 8	02 015	2.1	22,50
Locating pin M12 x 1 with drilled hole Ø 8	02 016	2.1	25,80
Locating pin M12 x 1 with thread M6	02 017	2.2	23,60
Locating pin d=20 with internal thread M12x1	02 018	2.2	22,40
Joint d=20	02 021	2.2	86,00
Adapter M6 / M8 d = 20 L = 30 mm	02 022	2.2	17,50
Adapter M6 / M4 d = 20 L = 25 mm	02 030	2.2	15,90
Locating clip	03 001	3.1	59,00
Locating clip M6	03 002	3.1	63,80
Locating clip M12 x 1	03 003	3.1	63,80
Locating clip with drilled hole Ø 8	03 004	3.1	66,60
Locating clip with slit	03 005	3.1	55,20
Locating clip M6 20x20	03 006	3.2	78,00
Locating clip M6 with drill holes Ø 8	03 007	3.2	29,00

Price-list

Title	Article No	Page	Price € / each
Fixing block M6	04 001	4.1	35,40
Fixing block M4	04 002	4.1	35,40
Cube M6	04 003	4.1	45,60
Clip end-stop d=8	04 004	4.1	59,00
Articulated arm M6; L = 320mm	04 005	4.1	217,00
Support cone d = 8	05 001	5.1	12,80
Support area d = 8	05 003	5.1	10,80
Support angle d = 8	05 005	5.1	17,50
Support corner d = 8	05 007	5.1	19,50
Support prism round d=8; $\alpha=120^\circ$	05 009	5.1	19,00
Support sphere d = 8; D = 10	05 011	5.2	19,80
Support sphere d = 8; D = 5	05 012	5.2	19,80
Support cylinder d = 8; D = 4.0	05 014	5.2	10,00
Support cylinder d = 8; D = 5.0	05 015	5.2	10,00
Support cylinder d = 8; D = 6.0	05 016	5.2	10,00
Support cylinder d = 8; D = 6.5	05 017	5.2	10,00
Support cylinder d = 8; D = 8.0	05 018	5.2	10,00
Support cylinder d = 8; D = 8,5	05 019	5.2	10,00
Support cylinder d = 8; D = 10.0	05 020	5.2	10,00
Support cylinder d = 8; D = 12.0	05 021	5.2	10,00
Cylindrical pin d = 8; L = 30 mm	05 022	5.2	1,20
Cylindrical pin d = 8; L = 50 mm	05 023	5.2	1,70
Cylindrical pin d = 8; L = 70 mm	05 024	5.2	2,20
Cylindrical pin d = 8; L = 80 mm	05 025	5.2	2,50
Cylindrical pin with thread M6; L = 75 mm	05 026	5.2	16,00
Support prism flat $\alpha= 90^\circ$	05 027	5.3	29,00
Support prism flat $\alpha= 120^\circ$	05 028	5.3	29,00
Magnet d = 13; L = 40 mm	05 029	5.2	35,00
Magnet d = 16; L = 40 mm	05 030	5.2	37,00
Pressure screw M6 with sphere; L = 26mm	05 032	5.3	3,95
Cylindrical pin with internal thread M5; d = 8; L = 100mm	05 033	5.3	5,90
Centring taper d=25	05 034	5.3	45,00
Centring taper for one direction d=25	05 035	5.3	70,00
Cylindrical pin with thread M6; L = 40 mm	05 036	5.2	16,00
Cylindrical pin with thread M6; L = 25 mm	05 037	5.2	16,00
Toggle clamp M4 type 1	06 001	6.1	18,50
Toggle clamp M5	06 002	6.1	25,50
Toggle clamp M8 type 1	06 003	6.1	33,50
Pressure screw M4, long	06 004	6.2	3,20
Pressure screw M6, long	06 005	6.2	4,30
Pressure screw M8, long	06 006	6.2	4,90
Pressure screw M 5 x 37 with joint	06 007	6.2	11,50
Pressure screw M 6 x 52 with joint	06 008	6.2	13,90
Pressure screw M 8 x 78 with joint	06 009	6.2	12,00
Spring clip L = 40	06 010	6.2	33,00
Spring clip L=60	06 011	6.2	33,50
Spring L=40	06 012	6.2	4,90
Spring L=60	06 013	6.2	4,90
Quick clamp M6; ws 50	06 014	6.2	109,00
Three-jaw power chuck d=80 mm	06 015	6.3	598,00
Toggle clamp M4 type 2	06 019	6.1	22,50
Toggle clamp M8 type 2	06 020	6.1	39,00
Quick clamp M6; ws 25	06 021	6.2	99,80
Knurled nut M6; A2	06 022	6.3	2,50
Knurled thumb screw M6	06 023	6.3	3,00
Quick-release nut M6	06 024	6.3	6,00
Cheese head screw with hexagon socket M4 x 12 ZN	07 001	7.1	0,10
Cheese head screw with hexagon socket M4 x 16 ZN	07 002	7.1	0,10
Cheese head screw with hexagon socket M5 x 8 ZN	07 003	7.1	0,10
Cheese head screw with hexagon socket M6 x 16 ZN	07 004	7.1	0,10
Cheese head screw with hexagon socket M6 x 20 ZN	07 005	7.1	0,10
Cheese head screw with hexagon socket M6 x 25 ZN	07 006	7.1	0,10
Cheese head screw with hexagon socket M6 x 30 ZN	07 007	7.1	0,10
Cheese head screw with hexagon socket M6 x 35 ZN	07 008	7.1	0,10
Cheese head screw with hexagon socket M6 x 40 ZN	07 009	7.1	0,10
Cheese head screw with hexagon socket M6 x 45 ZN	07 010	7.1	0,10
Cheese head screw with hexagon socket M6 x 50 ZN	07 011	7.1	0,10

Price-list

Title	Article No	Page	Price € / each
Cheese head screw with hexagon socket M6 x 55 ZN	07 012	7.1	0,12
Cheese head screw with hexagon socket M6 x 60 ZN	07 013	7.1	0,12
Cheese head screw with hexagon socket M6 x 65 ZN	07 014	7.1	0,12
Cheese head screw with hexagon socket M6 x 70 ZN	07 015	7.1	0,12
Cheese head screw with hexagon socket M6 x 30 ZN flat	07 016	7.1	0,40
Cheese head screw with hexagon socket M6 x 35 ZN flat	07 017	7.1	0,40
Cheese head screw with hexagon socket M8 x 25 ZN	07 018	7.1	0,20
Cheese head screw with hexagon socket M10 x 25 ZN	07 019	7.1	0,20
Cheese head screw with hexagon socket M12 x 25 ZN	07 020	7.1	0,20
Washer d = 4.3 ZN	07 021	7.1	0,10
Washer d = 6.4 ZN	07 022	7.1	0,10
Washer d = 5.3 / D = 14.5; 2 dick; ZN	07 023	7.1	0,10
Washer d = 6.4 / D = 17; 3 dick; ZN	07 024	7.1	0,50
Lock washer = 4.3 ZN	07 025	7.1	0,10
Lock washer d = 6.4 ZN	07 026	7.1	0,10
Hexagon nut M5 ZN	07 027	7.1	0,10
Hexagon nut M6 ZN	07 028	7.1	0,10
Threaded pin M6 x 20 ZN	07 029	7.1	1,00
Threaded pin M6 x 25 ZN	07 030	7.1	1,20
Threaded pin M6 x 30 ZN	07 031	7.1	1,20
Threaded pin M6 x 40 ZN	07 032	7.1	1,20
Threaded pin M6 x 50 ZN	07 033	7.1	1,50
Clamping screw M6 x 30 A2 flat	07 034	7.1	3,90
Clamping screw M6 x 35 A2 flat	07 035	7.1	3,90
Clamping screw M6 x 60 12.5 A2 flat	07 036	7.1	5,90
Clamping screw M6 x 60 17.5 A2 flat	07 037	7.1	5,90
Hexagon screw M5 x 30 ZN	07 038	7.1	0,10
Hexagon screw M5 x 50 ZN	07 039	7.1	0,10
Open ended spanner 7 mm	07 040	7.2	3,20
Open ended spanner 8 mm	07 041	7.2	3,20
Open ended spanner 10 mm	07 042	7.2	3,20
Open ended spanner 13 mm	07 043	7.2	3,80
Open ended spanner 19 mm	07 044	7.2	4,70
Allan key, long with spherical head SW 2, chromed	07 045	7.2	2,40
Allan key, long with spherical head SW 3, chromed	07 046	7.2	2,40
Allan key, long with spherical head SW 4, chromed	07 047	7.2	2,70
Allan key, long with spherical head SW 5, chromed	07 048	7.2	3,00
Allan key SW 5 with gudgeon – nickel-plated	07 049	7.2	2,00
Stud spanner d = 3 mm	07 050	7.2	4,50
Stud spanner d = 4 mm	07 051	7.2	4,50
Stud spanner d = 5 mm	07 052	7.2	4,50
Threaded pin M6 x 60 ZN	07 053	7.1	1,50
Case 365 x 295 for fasteners	08 001	8.1	34,50
Case 365 x 295 for elements	08 002	8.1	29,50
Kit 1	09 001	9.2	1.850,00
Kit 2	09 002	9.2	2.590,00
Kit 3	09 003	9.2	3.345,00
Kit 4	09 004	9.2	2.460,00
Kit 5	09 005	9.2	6.860,00
Quick clamping kit	09 006	9.2	1.050,00

The prices do not include the V.A.T.

RADiuS

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