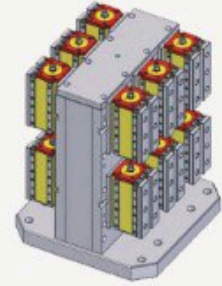


Permanent Magnetic Clamping Block "ECB Series"



Video



Application Example

► Robust and Flexible Business Binding Method

► Ideal Technology for Large Workpieces

► Fast - Easy - Balanced Job Binding System

Features:

1. The all new model Magnetic Clamping Block ECB Series are a new sense of clamping way for metal working on CNC Machining Center and Milling Machine in quick clamp workpieces.
2. Free to set up position, numbers and distance of Magnetic Clamping Block according to the size of workpiece.
3. The ECB Series including changeable Induction Soft Block. It can be revised the surface to be 100% accuracy on the machine for clamp workpieces. Can be also cutting, drilling, tapping and slotting directly to the Induction Soft Block during machining workpiece. Multi-function of Induction Soft Block, the user can make it by themselves according to workpiece required.
4. Two machining circle for finish workpiece machining, increase a lot of machining efficiency and achieve accuracy required.

Applications:

1. Most suitable for medium and large size of workpiece machining on milling machine and CNC machining center.
2. Minimum size of workpiece required as bigger than an area of two Magnetic Clamping Blocks.
3. The Magnetic Clamping Blocks are not suitable for small workpiece clamping.

Note:

1. Please always make sure the Switch was in ON position before machining.
2. The Magnetic Clamping Blocks are not suitable for non-magnetic material, such as brass, copper, aluminum and stainless steel, etc.
3. The principle of Magnetic Clamping Blocks is magnetism of N. S. poles, so please always put the workpiece between N. S. poles.
(The middle of top clamping range)



ECB - 50

Holding Force: 500 Kgf / Unit
Workpiece Thickness: 15 mm
Sensitivity: 90°= 0.015/100mm
X - Y: 0.01/100 mm
Height: 78 mm
Length / Width: 126 x 76 mm
Weight: 7 Kg.

Special Price
€599



ECB - 75

Holding Force: 750 Kgf / Unit
Workpiece Thickness: 15 mm
Sensitivity: 90°= 0.015/100mm
X - Y: 0.01/100 mm
Height: 78 mm
Length / Width: 174 x 76 mm
Weight: 9.5 Kg.

Special Price
€699



ECB - 120

Holding Force: 1200 Kgf / Unit
Workpiece Thickness: 20 mm
Sensitivity: 90°= 0.015/100mm
X - Y: 0.01/100 mm
Height: 108 mm
Length / Width: 188 x 108 mm
Weight: 18 Kg.

Special Price
€999



ECB - 210

Holding Force: 2100 Kgf / Unit
Workpiece Thickness: 30 mm
Sensitivity: 90°= 0.015/100mm
X - Y: 0.01/100 mm
Height: 134 mm
Length / Width: 234 x 133 mm
Weight: 36 Kg.

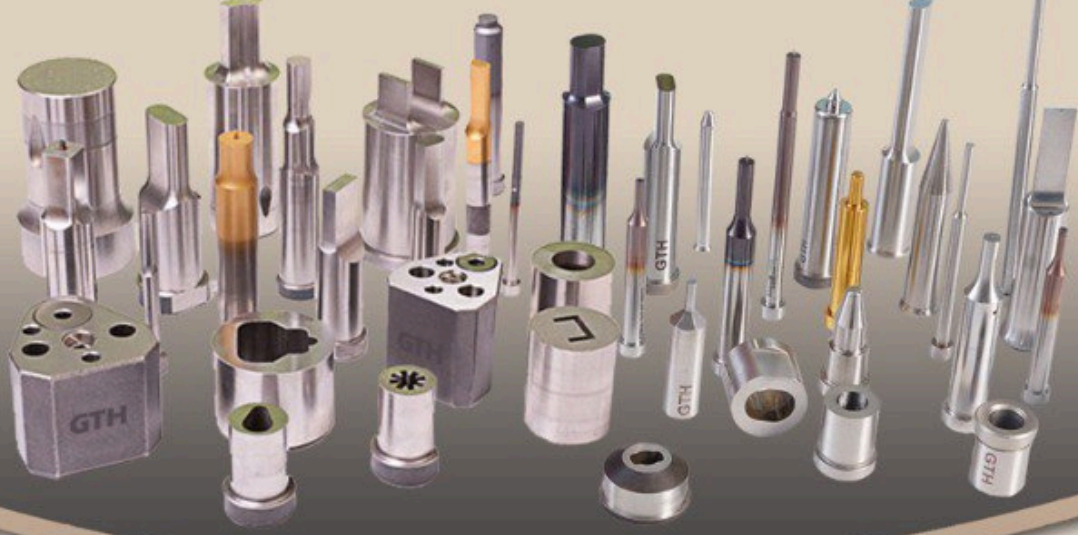
Special Price
€1460



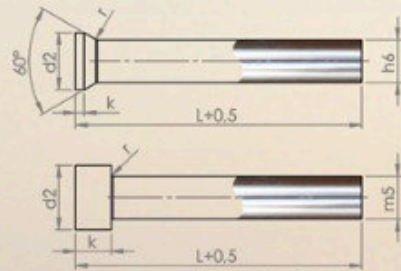
Standard Accessories

- * 2 induction jaws
- * Articulated opening - closing arm
- * 4 block connection shoes
- * Side / front / rear support parallel
- * Combined connection between two blocks
- * Turkish user manual





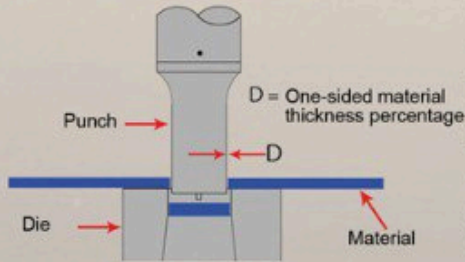
Standard Punches



Standard Countersunk and Cylindrical Head Punches are Available in Our Stocks as 1.3343 Materials Of DIN Norms.

Heat-treatment (62-64 hrc \pm 2) Head Stiffness: (52 \pm 3)

High Performance Special Material Selection



Offering more customized solutions according to the applications out of the standards with the contributions of our engineers, we can achieve better results.

Material selection for the punch

1.2379 - A2

For general use, it is used in press dies and forging dies. It is preferred for high-thickness sheets.

1.3343 - M2

It is suitable for use as coated on soft sheets. Surface-abrasion resistance is high in hard sheets. It is appropriate to be used for sheets with thicknesses below 5 mm. It should not be preferred for tasks including high strokes.

1.3243 - M35

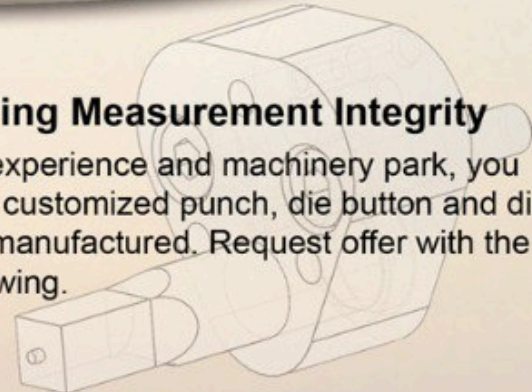
It is suitable for use in peck drilling and shaping on stainless, siliceous and spring steel-like sheets, bolt dies.

PS - Poeder Metal

Its resistance against surface abrasion is maximum. Its appropriateness for PVD coating is high. It is important to choose the accurate material for different processes in powder metal products.

Fine Grinding Measurement Integrity

Utilizing our experience and machinery park, you can have the customized punch, die button and die accessories manufactured. Request offer with the technical drawing.



Coating Technologies



As the production methods develop, coating technology also develops with each passing day aiming for the highest performance to be obtained out of the coating technology. You can try out our coating products to accomplish more efficiency from your punches.

TiN - PVD TiN

It is the general-use coating type. Its colour is golden yellow. It prevents the heating created by the friction of metal by metal, increases greasiness, minimizes problems like adhesion, involution. Due to its low heat conductivity, it avoids heat transfer thus increases the lifespan of punches.

TiNC - Antrozit

It is suitable for use at punches requiring high stiffness. Its colour is grey-blue. It provides high resistance against cracking in punches. It is appropriate for use at high speeds.

AlTiN - Zafir

It is ideal for dies and punches functioning at high temperatures. Thanks to its operability at high speeds and heat conductivity, it requires less grinding and maintenance. It provided a long lifetime for punches.

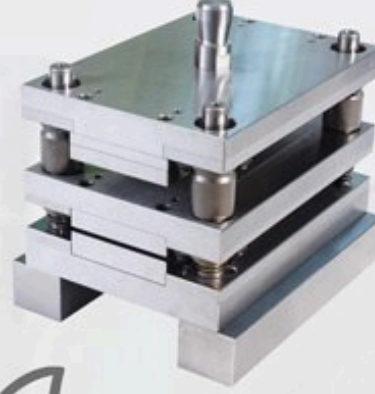
Note: Apart from the traditional coating types, there are various other styles for coating. In case that you inform on the application field and the function, our engineers will help you to choose the correct coating type. **GTH is a brand by Güvenal, you can use it confidently**

CONTACT US

www.guvenal.net
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+90 212 501 53 81 extension:
135-141

Custom - Made Die Sets & Mould Bases

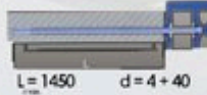
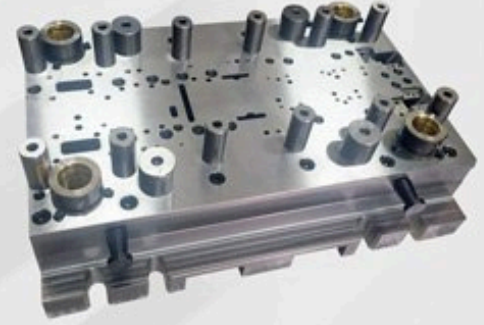
Güvenal
Die & Mould Components
Since 1976



Good Quality &
Economic Prices



Fast Delivery
Times



"Gun Drill
Machining"



GUVENAL KALIP ELEMANLARI A.S
"Productive Cooperation"



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Rami Kısla Caddesi Emintas 3 Sanayi Sitesi No: 56 - 57 - 58

Topcular - Eyup 34055 Istanbul / TURKEY Tel : +90 212 501 53 81 (Pbx : 142 - 153)

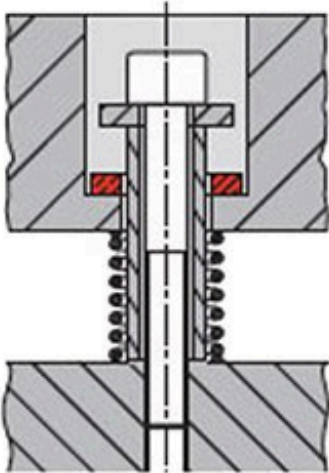
Economic Products

Stock Delivery

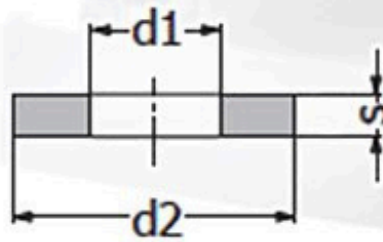
Güvenal
Die & Mould Components
Since 1976

POLYURETHANE WASHER

Shock Absorbing



Colours :
80 Shore-YELLOW %35
90 Shore-RED %25



Order Code: PRP.(colour) / d1 x d2 x s

d2	d1	s
Ø 16	6.5	3 mm
	11	4 mm
Ø 20	8.5	3 mm
	11	4 mm
	13	5 mm
Ø 25	10.5	3 mm
	12	4 mm
	14	5 mm
Ø 32	13.5	3 mm
	18	4 mm
	21	5 mm
	23.5	6 mm
	25	7 mm

d2	d1	s
Ø 40	13.5	5 mm
	17	6 mm
	21	7 mm
Ø 50	32	8 mm
	17	6 mm
	26	7 mm
	32	8 mm
Ø 63	37	10 mm
	17	6 mm
	32	10 mm
Ø 80	21	8 mm
	42	10 mm
Ø 100	21	10 mm



Support Line: +90 212 501 5381 (pbx: 153)
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Istanbul - TURKEY

PERFECT Price Performance

✓ **Fast** ✓ **Compact** ✓ **Universal**



Polishing Kit - Multiple / 190 pcs

Order Nr: 6128001001

Kit Contents - 190 pcs:

- 1x Electrical Rotary Tool
- 1x Flexible Driver
- 1x Mini Plastic Drawer
- 4x Collets
- 16x Abrasive Rolls
- 10x Mounted Points
- 2x Mandrel for Cutting Discs
- 1x Mandrel for Felt Discs
- 2x Mandrel for Abrasive Rolls
- 10x Grinder Discs
- 1x Polishing Stone
- 5x Fiberglass Cutting Discs
- 1x Polishing Rubber
- 1x Wrench
- 1x Diamond Compound
- 30x Cutting Discs / Heavy-duty
- 36x Cutting Discs / Regular
- 40x Abrasive Papers
- 7x Felt Discs
- 1x Tapered Pointed Felt
- 1x Abrasive Mop Wheel
- 2x HSS End-mills
- 6x CBN Grinding Points
- 6x HSS Drills
- 3x Mounted Hair Brushes
- 3x Mounted Wire Brushes
- 1x Pointed Felt

W
135 W

10.000
32.000

230 V
50 Hz

CE



Güvenal **GTH**
Die & Mould Components 1976



Polishing Kit - Mini / 145 pcs

Order Nr: 6128002001

Kit Contents - 145 pcs:

- 3x Collets
- 16x Abrasive Rolls
- 1x Tapered Pointed Felt
- 1x Felt Disc
- 4x Felt Discs
- 1x Wrench
- 40x Abrasive Papers
- 5x Fiberglass Cutting Discs
- 12x Grinder Discs
- 1x Polishing Stone
- 2x Mandrel for Abrasive Rolls
- 1x Mounted Hair Brush
- 6x Mounted Points
- 2x Mandrel for Cutting Discs
- 1x Mandrel for Felt Discs
- 1x HSS End-mill
- 5x CBN Grinding Points
- 4x HSS Drills
- 36x Cutting Discs / Regular
- 1x Mounted Wire Brush
- 1x Polishing Rubber
- 1x Cloth Felt



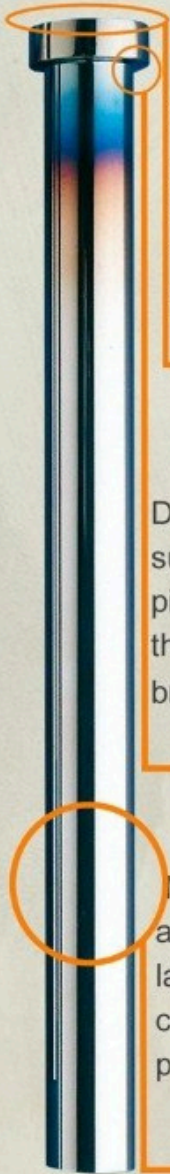
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The Distinguishing Features of the New Güvenal Mould Ejector Pins from the Similar Products



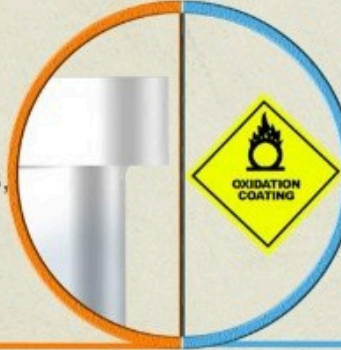
Stable connection-operation possibilities (rigid system, tight connection) for the cap top surface grinding ($Ra 3,2$) processes.



DIN 1.2344 MATERIAL
X 40 Cr Mo V 51

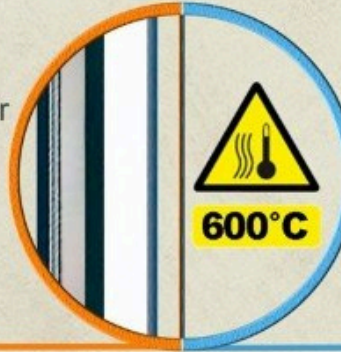
During pressure the moulding does not stick to the raw material in the mould - slippery surface.

Developed radius geometry, suitable chamfer forms for pin-cap and casing structures, that prevents the cap breakages.



Abrasion resistant surface with oxidation coating, Increased mould working life, Perfect dry operation feature, High corrosion, protection, Unstainable surface, Longer lasting than the traditional (common) pins.

Minimum roughness ($Ra 0,8$) and minimum friction = longer lasting operation life compared to the similar products.



1.2344 / Nitration oxidation coating offers stable, operation, protection against humidity/water, and high temperature resistance.

Type: Plastic Injection

Type: Metal and Plastic Injection

"EPM" Electro-Permanent Magnetic Chuck

- ▶ Super Power Magnetic Force = 1250 Kgf / per 4 Pole
- ▶ We Present "Tool Cabinet as a Free Gift"
- ▶ Can Do 5-Sides Machining
- ▶ Clamping within a Few Seconds
- ▶ Monoblock Design / Compact & Robust



Electro-Permanent Magnetic Chucks are most suitable for heavy duty operations on small & medium workpieces and even for rough milling. Suitable for drilling and finishing operations on workpieces. All 5-sides of the workpiece can be machined in the same setting if clamped magnetically.

Specifications:

- Perfect safety in case of power failure. No electricity needed to keep the Magnetic Chuck ON.
- A minimum of 4 alternate magnetic poles contact is necessary for optimum clamping.
- More functions for cooperate with Induction Blocks (it is provided to you free by Güvenal).
- Magnetic force = 1250 Kgf / per 4 pole.
- Adjustable magnetic force (8 level).
- Can do 5-sides machining.
- Easy and practical to clamp a workpiece. It provides significant savings in clamping time.
- Recommended minimum thickness of workpiece: 10 mm.

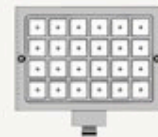
EEPM 3040W - 340 mm x 430 mm - AC 380 / 440 V

EEPM 4060W - 420 mm x 590 mm - AC 380 / 440 V

EEPM 40100W - 420 mm x 990 mm - AC 380 / 440 V

Standard Accessories / Set Content:

1. Electro-Permanent Magnetic Chuck
2. Controller
3. Remote Control (to adjust the magnetic force)
4. Induction Blocks (according to the number of poles)
5. Tool Cabinet (mobile)
6. Fasteners & Connection Cables
7. User & Training Manual

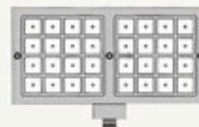


EEPM 3040 W

€ 2.199

EEPM 3040 W
2 pcs. Chuck + 1 Controller

€ 3.819

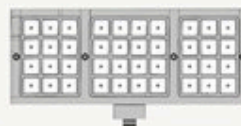


EEPM 4060 W

€ 3.349

EEPM 4060 W
2 pcs. Chuck + 1 Controller

€ 6.159

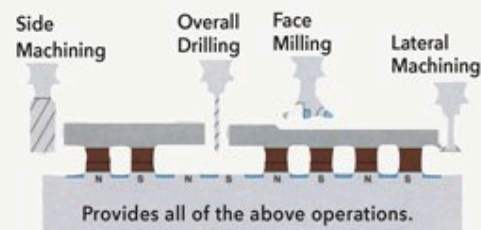


EEPM 40100 W

€ 5.579

EEPM 40100 W
2 pcs. Chuck + 1 Controller

€ 10.160

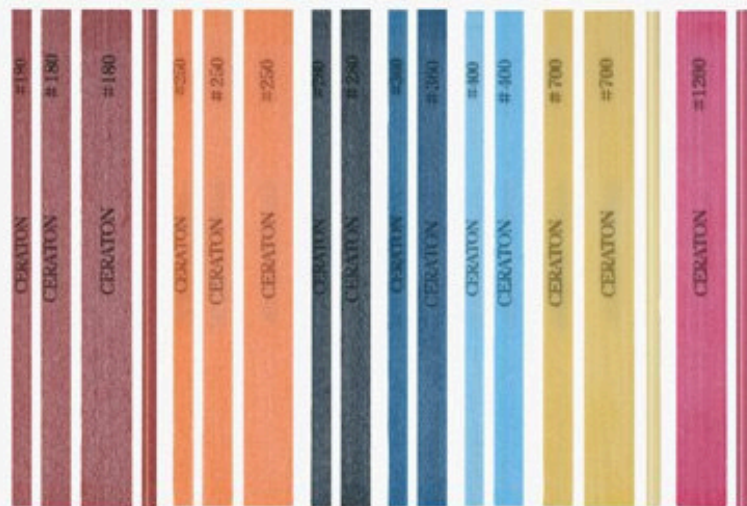


Video



Campaign

Fiber Ceramic Polishing Stones

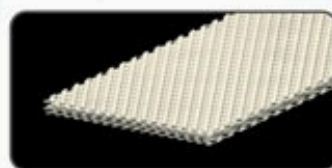


Ceramic polishing stones prepared by pressing with resin binder spraying screened, gauged micron diamond particles on powerful fiber textured ceramic, polishing stones have the feature of resistance with flexible structure against breakage, it is an excellent running in kit as levelling kit at precision end points corners, also narrow channels and angular/ feather spaces especially mould surface applications. According to traditional similar kits, it is resistance to fast abrasion in shorter period. It provides advantage with fine kits at precision scale.

Order Code	Dimension x Grit	Price Euro	Order Code	Dimension x Grit	Price Euro
CSB4000003	3 x 400	9.95 €	CSN3600106	1 x 6 x 360	6.95 €
CSB4000104	1 x 4 x 400	3.95 €	CSN3600110	1 x 10 x 360	9.95 €
CSB4000106	1 x 6 x 400	6.95 €	CSO2500003	3 x 250	9.95 €
CSB4000110	1 x 10 x 400	9.95 €	CSO2500104	1 x 4 x 250	3.95 €
CSC1800003	3 x 180	9.95 €	CSO2500106	1 x 6 x 250	6.95 €
CSC1800104	1 x 4 x 180	3.95 €	CSO2500110	1 x 10 x 250	9.95 €
CSC1800106	1 x 6 x 180	6.95 €	CSR12000003	3 x 1200	9.95 €
CSC1800110	1 x 10 x 180	9.95 €	CSR12000104	1 x 4 x 1200	3.95 €
CSD2800003	3 x 280	9.95 €	CSR12000106	1 x 6 x 1200	6.95 €
CSD2800104	1 x 4 x 280	3.95 €	CSR12000110	1 x 10 x 1200	9.95 €
CSD2800106	1 x 6 x 280	6.95 €	CSY7000003	3 x 700	9.95 €
CSD2800110	1 x 10 x 280	9.95 €	CSY7000104	1 x 4 x 700	3.95 €
CSN3600003	3 x 360	9.95 €	CSY7000106	1 x 6 x 700	6.95 €
CSN3600104	1 x 4 x 360	3.95 €	CSY7000110	1 x 10 x 700	9.95 €

Grit / Type	Thickness : 1mm	
# 180 Grit / CSC		
# 250 Grit / CSO		
Dimension	Dia	
# 280 Grit / CSD	1 x 4 x 100	Dia: 3 x 100 mm
# 360 Grit / CSN	1 x 6 x 100	
# 700 Grit / CSY	1 x 10 x 100	
# 1200 Grit / CSR		

Strong Fiber Texture / Resistant Structure



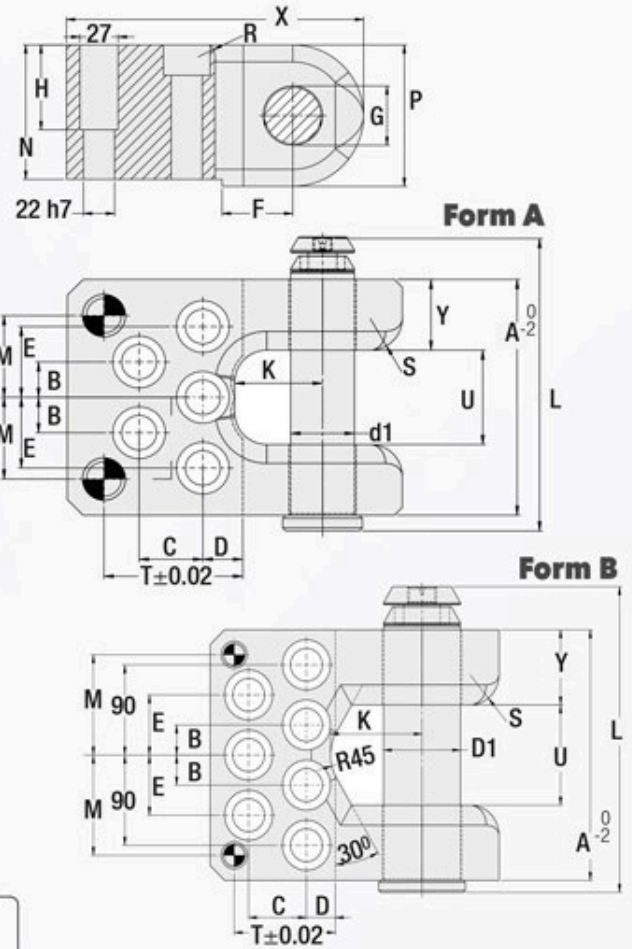
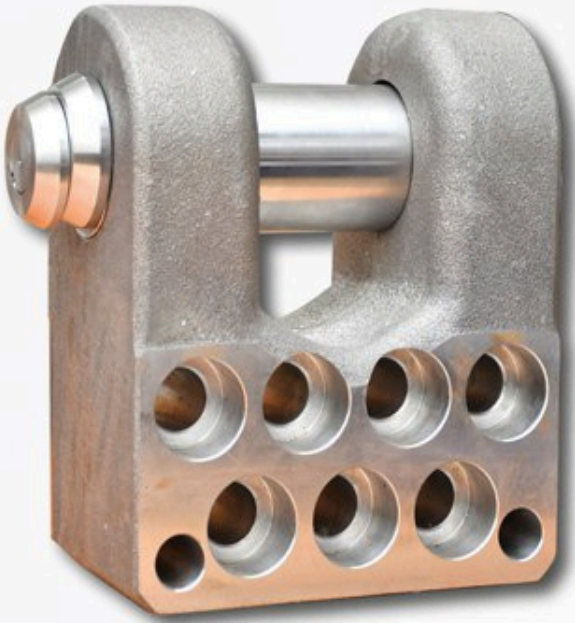
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Die Lifting Bracket - BMW Code: G53-B



The G53-B is shipped with the "G173 Die Lifting Pin".

Order Code	D1 mm	L mm	A mm	P mm	X mm	G mm	K mm	S mm	R mm	U mm	Form	Max. Load (kg)	Max. Capacity (kg)
G53-B.30	30	158	126	80	185	32	50	16	12	50	A	3200	6400
G53-B.40	40	187	150	100	210	42	55	20	12	60		5000	10000
G53-B.50	50	220	175	120	240	52	70	24	16	75		8000	16000
G53-B.60	60	246	200	140	300	62	80	30	20	80		12500	25000
G53-B.80	80	305	250	160	300	82	95	30	20	100	B	18000	36000

Y mm	F mm	T mm	C mm	D mm	M mm	E mm	B mm	N mm	H mm	Screw
38	40	85	35	30	45	40	20	75	40	M16x80
45	50	87	40	25	52	45	22.5	95	60	M20x100
50	60	95	45	35	62.5	50	25	115	80	M24x120
60	65	145	65	60	77.5	65	35	130	95	M36x160
75	90	105	60	30	100	60	30	150	115	M30x160



Adjustable Ejector Assembly Cover

Temp : Max 110°C

- + It provides protection from external factors and safely operation of the ejector group.
- + Simple assembly with magnetic fittings.
- + For safety, please pay attention to the dimensions indicated on the table.

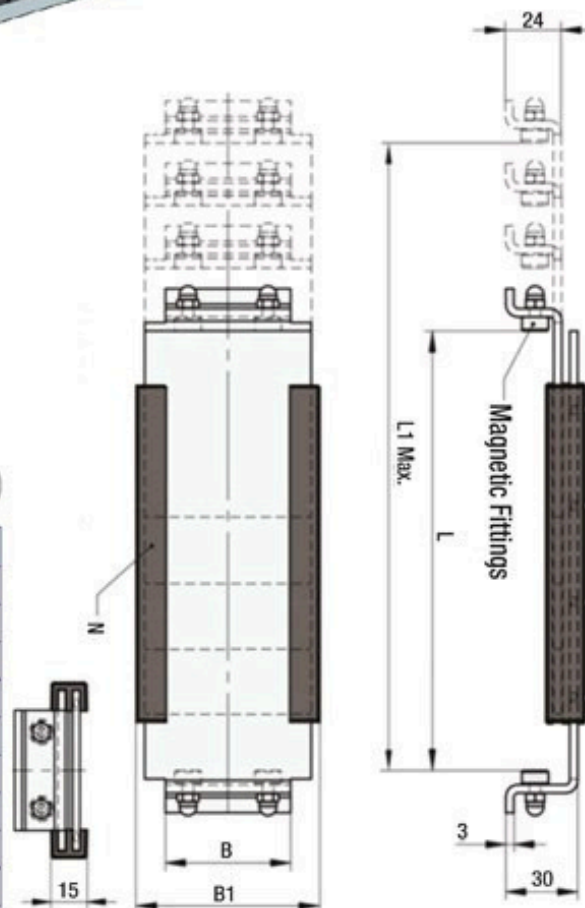


Material :
PC (Polycarbonate)



Order Example : G.158 L x L1 Max. x B..

Order	L - L1 Max.	N	B1	B
G.158 / 156 - 218 x 56	156 - 218	2	78	56
G.158 / 156 - 218 x 76			98	76
G.158 / 156 - 218 x 96			118	96
G.158 / 246 - 396 x 66	246 - 396	2	88	66
G.158 / 246 - 396 x 76			98	76
G.158 / 246 - 396 x 86			108	86
G.158 / 246 - 396 x 96			118	96
G.158 / 246 - 396 x 116			138	116
G.158 / 446 - 596 x 96	446 - 596	2	118	96
G.158 / 446 - 596 x 116			138	116
G.158 / 446 - 596 x 136			158	136
G.158 / 446 - 596 x 156			178	156



Güvenal Kalıp Elemanları San. ve Tic. A.Ş.
" A Member of Guvenal Corporate Group "



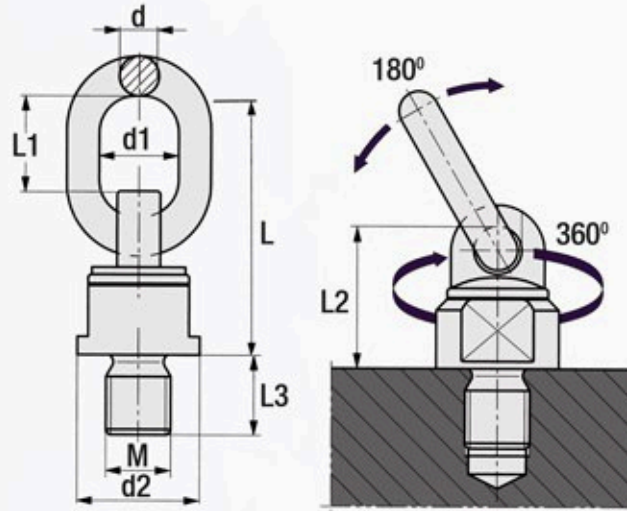
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Rotary Safety Eyebolt

Code: G140



Video
QR Code



M x Thread	d mm	d1 mm	d2 mm	L mm	L1 mm	L2 mm	L3 mm	Kg
M8 x 1.25	12	30	40	98	44	46	12	0.5
M10 x 1.50	12	30	40	98	44	46	19	0.5
M12 x 1.75	12	30	40	98	44	46	19	0.5
M16 x 2.00	12	30	40	98	44	46	31.8	0.5
M20 x 2.50	20	40	70	160	67	75	38.1	2.5
M24 x 3.00	20	40	70	160	67	75	38.1	2.5
M30 x 3.50	22	51	79	206	95	91	50	4.0
M36 x 4.00	22	51	79	206	95	91	54	4.0
M42 x 4.50	26	65	93	230.5	108	100.5	63	4.0
M48 x 5.00	26	65	93	230.5	108	100.5	68	6.0
M56 x 4.00	32	70	105	278	120	132	84	11.0
M64 x 6.00	32	70	105	278	120	132	95	11.0

Maximum Lifting Load (Safety Factor $\geq 5:1$)

P: Ton

M x Thread	P 0° Vertical	P 90° Lateral	P 45° Two Angled	P 60° Two Angled	P 45° Four Angled	P 60° Four Angled
M8 x 1.25	0.6	0.3	0.4	0.3	0.6	0.4
M10 x 1.50	0.9	0.45	0.6	0.45	0.9	0.6
M12 x 1.75	1.2	0.6	0.8	0.6	1.2	0.9
M16 x 2.00	2.6	1.3	1.8	1.3	2.7	1.9
M20 x 2.50	4	2	2.8	2	4.2	3
M24 x 3.00	7	3.5	4.9	3.5	7.3	5.2
M30 x 3.50	10	5	7	5	10.5	7.5
M36 x 4.00	15	8	11.2	8	16.8	12
M42 x 4.50	17	12	16.8	12	25.2	18
M48 x 5.00	18	13	18.2	13	27.3	19.5
M56 x 4.00	28	16	22.4	16	33.6	24
M64 x 6.00	28	16	22.4	16	33.6	24



CE



(Class8)



Ball
Bearing
System

Rotary Safety Eyebolt:

By absorbing sudden and rigid motion during lifting - bending and breaking of sling / rope / chain that can be occurred due to swinging of load, it will amortise costs above possible damages with safety lifting and carrying. Special forged steel (class 8) product, 4 times safety against fracture in rotation direction of full load, hinged rotary design that can be taken correct position and be turned axially by aligning movable ring 180° in loaded position.

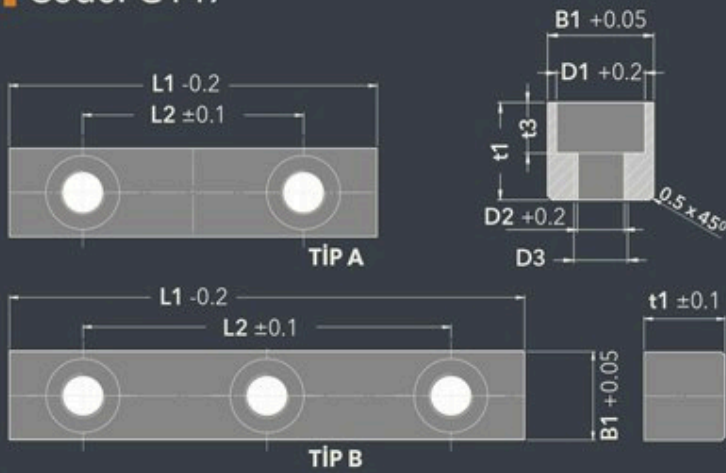




G147

Support Slide for Core Position

Code: G147



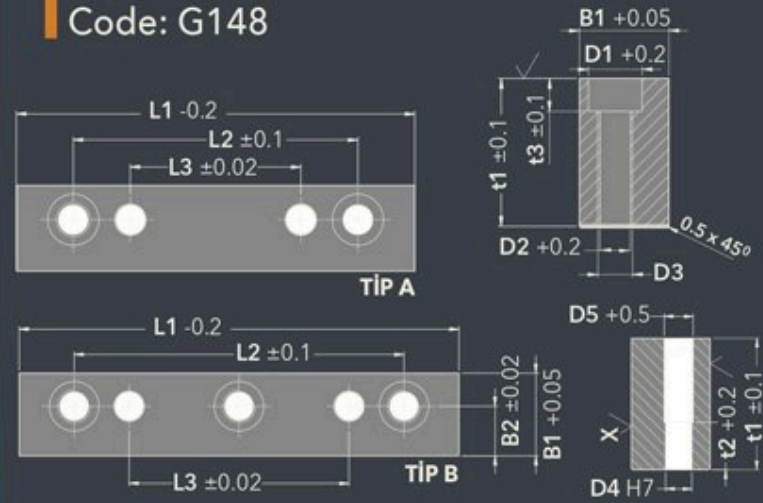
Order Code	B1	t1	L1	Tip	t3	L2	D1	D2	D3
G147.1250	12	11	50	A	5.7	30	10	5.3	M6
G147.1260			60			40			
G147.1270			70			50			
G147.1275			75			60			
G147.1280			80			60			
G147.1290			90	70					
G147.12100		16	B	100		80			
G147.12120				120		100			
G147.12140				140		120			
G147.12160				160		140			
G147.12180				180		160			
G147.18100	18	16	A	6.8	76	11	6.4	M8	
G147.18120					120				96
G147.18140					140				116
G147.18160					160				136
G147.18180					180				156
G147.24140	24	21	B	6.8	116	11	6.4	M8	
G147.24160					160				136
G147.24180					180				156
G147.24200					200				176
G147.24220					220				196



G148

Support Slide for Core Position Side Guide

Code: G148



Order Code	B1	t1	L1	Tip	B2	t2	t3	L2	L3	D1	D2	D3	D4	D5
G148.1550	15	11	50	A	9	-	5.7	30	10	10	5.3	M6	4	-
G148.1560			60					40	20					
G148.1570			70	B				50	30					
G148.1575			75					60	40					
G148.1580			80					60	40					
G148.1590			90					70	50					
G148.1880	18	22	80	A	11	12	6.8	56	32	11	6.4	M8	6	7
G148.18100			100					76	52					
G148.18120			120	B				96	72					
G148.18140			140					116	92					
G148.18160			160					136	112					
G148.24100	24	36	100	A	15	12	9.0	68	36	15	8.5	M10	8	9
G148.24120			120					88	56					
G148.24140			140	B				108	76					
G148.24160			160					128	96					
G148.24180			180					148	116					
G148.30120	30	50	120	A	18	18	11	80	40	18	10.2	M12	10	11
G148.30140			140					100	60					
G148.30160			160	B				120	80					
G148.30180			180					140	100					
G148.30200			200					160	120					



FOR MORE QUALIFIED AND
EXTRA PRECISE DRILLING...

DRILL BUSHES “DIN 172-A & DIN 179-A” NOW AVAILABLE FROM OUR STOCKS!



Code: **G163**



Technical data!

Drill Bushes are often used in metalworking, especially die&mould making and machine tool manufacturing. These bushes are frequently preferred in precision drilling applications and perform a number of important functions.



Code: **G164**



Technical data!

DRILL BUSH - HEADED DIN 172 - FORM A

DRILL BUSH - PLAIN DIN 179 - FORM A

Areas of usage and features of DIN 172 & DIN 179



1. Drilling and Positioning

- It enables holes to be drilled in the correct position and size, especially in the processing of complex parts.
- It is used in applications requiring precision hole machining, especially in the processing of metal parts.



2. Die & Mould-making and Machine Tools Production

- Used in plastic injection moulds, die-casting moulds and other dies.
- Drill Bushes are used in machine tools, especially in milling and turning operations.



3. High Precision and Reproducibility

- DIN 179 & DIN 172 standard is ideal for applications requiring high precision and repeatability.
- These bushings improve part quality by ensuring that the holes are the same size and tolerances every time.



4. Compatibility with Various Materials

- Can be used with a variety of materials such as steel, aluminum, copper and other metal alloys.
- Also compatible with some plastic and composite materials.



5. Durability and Long Life

- Güvenal DIN 179 & DIN 172 bushes are produced from materials with high wear resistance.
- It is designed for long-term use and its life can be further extended with regular maintenance.



“Application Examples”

- Automotive Industry: In the production of engine parts, transmission components and other precision automotive parts.
 - Aerospace and Defense: In the machining of airframes, engine parts and other precision aerospace components.
 - Machinery & Tools Manufacturing: In the production of various machine parts and components.
- Drill bushes play a critical role in many industrial applications where high precision is required and repeatability is important. The correct selection and use of these bushings directly affects the efficiency of production processes and product quality. You can quickly obtain DIN 179 and DIN 172 products in thousands of different sizes with the Güvenal quality assurance label from our stocks.



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New solution

Order Code: **G170**

TEST KIT FOR MOULD COOLING CHANNELS



Why test with compressed air?

G170 is used to detect water leakages that may occur during assembly and trials after new mould production / modification.

Test with compressed air; it is cleaner and faster than test methods with a water pump, etc.

Air has a higher fluidity of x15/20 than warm water (80°C). For this reason, the high fluidity of air shows even leaks that are sealed when tested with water.

Operating instructions:

- 1- Connect the pressure gauge to the inlet of the cooling circuit.
- 2- Connect the valve to the circuit outlet and close the valve.
- 3- Using the air gun to the unit with the pressure gauge, pump air until the arrow reaches the maximum level. For test pressure max. 4 bar of air is sufficient.
- 4- The test time can be between 90 - 180 seconds depending on the size of the injection mould volume. If the arrow is still in its initial position at the end of the test, there is no problem and the test is successful.
- 5- If the arrow has decreased, necessary corrections should be made.

Don't waste your time!

No more water leakage problems in the mould during production!

*It is sold as a kit in a plastic box.



Kit contents:

- ✓ Pressure gauge
- ✓ Relief valve
- ✓ Automatic fittings – 1/4" (2 pcs)
- ✓ Fittings – 1/4" (4 pcs)

Note: You can purchase fittings with different threads from our company.

Usage video:



Scan QR code



Click here!



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NEW



3D CAD FILES
GÜVENAL
www.guvenal.net
Code: **SBGTP**

EJECTOR PIN FOR VENTILATION - HARDENED

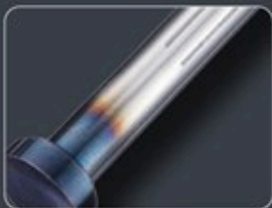
Function of Ejector Pin for Ventilation:

Melted plastic during the plastic injection process is injected into the mould. Meanwhile, air trapped inside the mould and gases arising from the plastic are optimally evacuated thanks to "SBGTP".

Field of Application:

- Plastic injection moulds
- Diecasting moulds

Regular Maintenance & Correct Placement:
Regular cleaning of "SBGTP" should be maintained. Otherwise it may become clogged and its efficiency may decrease.



Placing the pins in the correct places in the mould it is important. Incorrect placement may result in inadequate air discharge and quality problems.



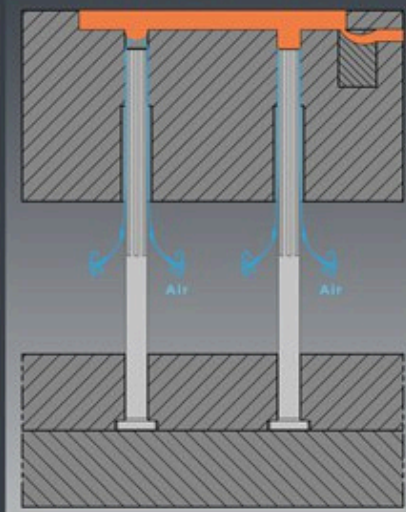
Order:
SBGTP x d1 x L



d1	L	d2	L1	L2	b1	n1
2	100	4	2	30	1.96	4
	160					
	200			75		
	250					
2.5	100	5	2	30	2.46	4
	200					
3	100	6	3	30	2.96	6
	160					
	200			75		
	250					
	315					
3.5	100	7	3	30	3.46	6
	200					
4	100	8	3	30	3.96	6
	160					
	200			75		
	250					
	315					
4.5	100	8	3	30	4.46	6
	200					
5	100	10	3	30	4.96	8
	160					
	200			75		
	250					
	315					
5.5	100	10	3	30	5.46	8
	200					
6	100	12	5	30	5.96	8
	160					
	200			75		
	250					
	315					
6.5	100	12	5	30	6.46	8
	200					
7	100	12	5	30	6.96	8
	200					

d1	L	d2	L1	L2	b1	n1
8	100	14	5		7.96	8
	160			30		
	200					
	250			75		
	315					
10	100	16	5		9.96	8
	160			30		
	200					
	250			75		
	315					
12	100	18	7		11.96	8
	160			30		
	200					
	250			75		
	315					

Mounting example :



Material:

1.2516 WS

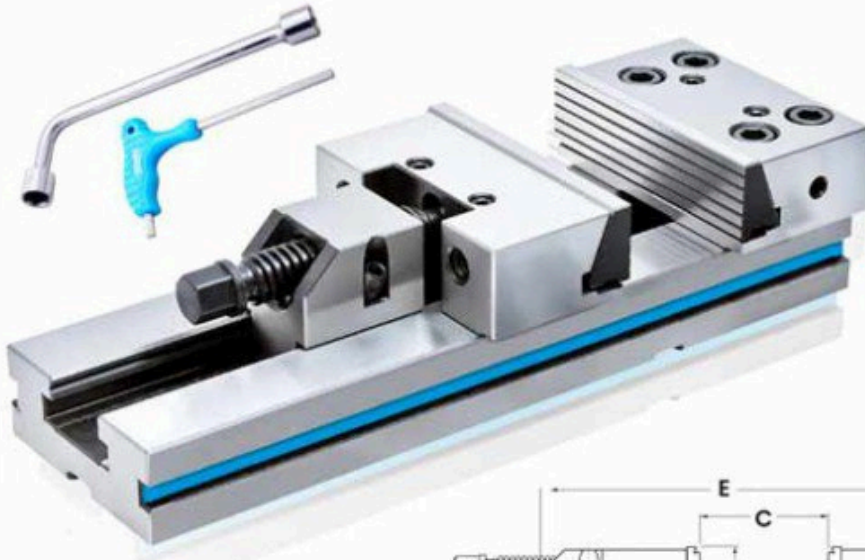
Hardness:

60±2 HRC

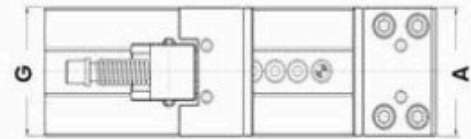
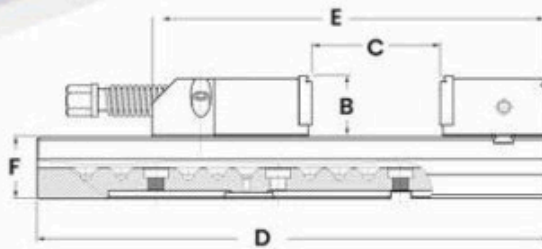




PRECISION MODULAR VICE

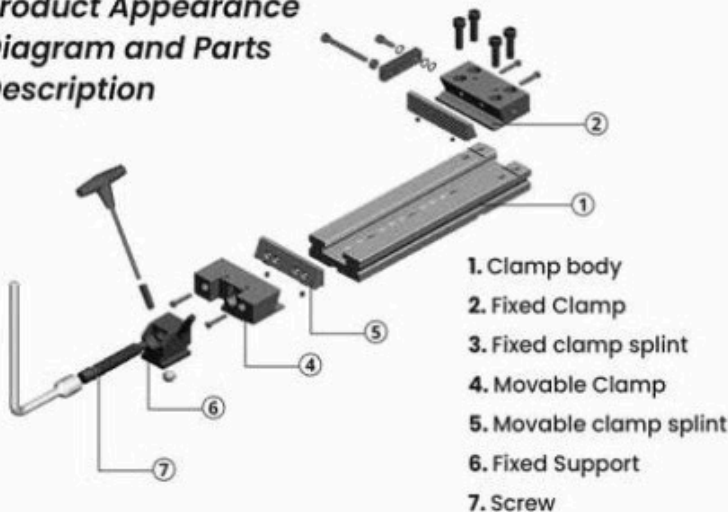


- ✓ High Accuracy
- ✓ Solid and Safe Structure
- ✓ Modularity
- ✓ Versatility



KING Code	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight Kg.	Tightening Force	Special Prices
NCB 150 A	150	50	200	420	500	50	125	25	30 kgf.	€ 392
NCB 150 B	150	50	300	520	600	50	125	29	30 kgf.	€ 448
NCB 175 B	175	60	300	555	630	58	145	42	30 kgf.	€ 588
NCB 200 B	200	65	300	595	680	70	170	69	40 kgf.	€ 815

Product Appearance Diagram and Parts Description

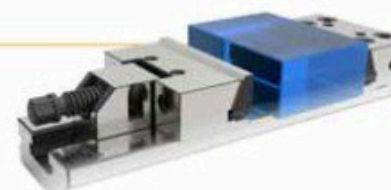


The verticality of the clamp is 50:002.

The surface is hardened with high quality alloy steel. The hardness HRC58-62 is used for milling, boring, drilling and grinding of CNC machine tools, machining centers and general machine tools.



By adhering to our special quality & reasonable pricing principles in "Workholding Tools", we work hard to always increase your productivity for our valued KING users. We would like to thank you for choosing our products and starting to discover the KING world.



NEW

Code: **G181**



€ 39



Injection settings, raw material details, 3D/2D drawings of the mould, mould material list, periodic maintenance information, and processes are always accessible together with your mould.

MOULD ID MEMORY

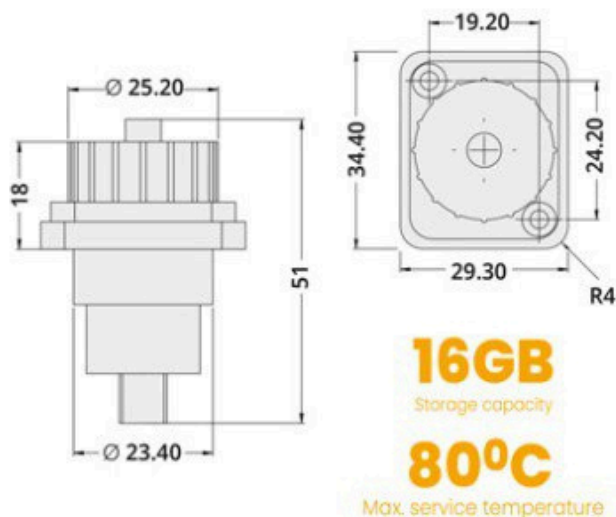
In today's world, data management is more critical than ever. The Güvenal "G181" series, with its specially designed structure and innovative technology, helps meet these needs.

This system allows you to securely store mould data, leaving behind intensive email and paper based management methods. It provides a more corporate and practical delivery solution for your mould projects. The "G181," mounted directly onto the mould, saves space. Your mould-related data is always at your fingertips without wasting time. Injection settings, raw material details, 3D/2D drawings of the mould, mould material list, periodic maintenance information, and processes are always accessible together with your mould. The G181 comes with a 16GB capacity memory stick, and higher capacity options are available upon request.

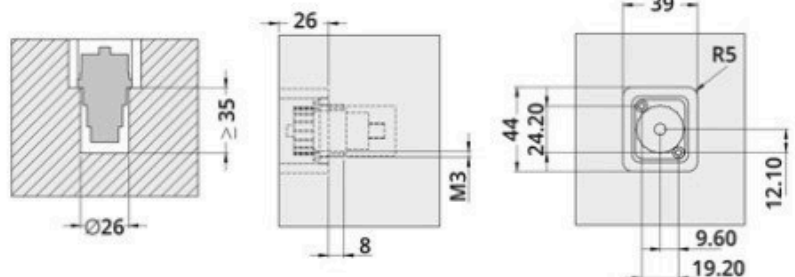
Mounting Example



Details



Mounting



Set Contents

- Mould ID memory device & 16GB memory stick (USB3.0) **x1**
- USB data transfer cable – 3mt. **x1**
- Liquid-proof protective cover **x1**
- Mounting screws **x2**



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Practical Set

► Dowel Pin Extractor Puller Kit

Order Code: CTPC

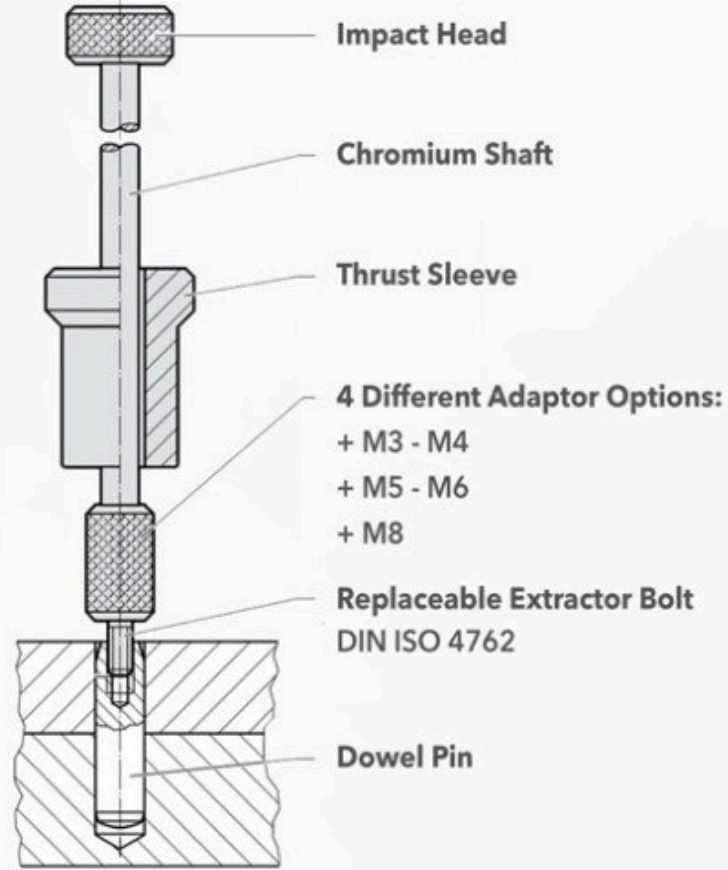


Special Price:

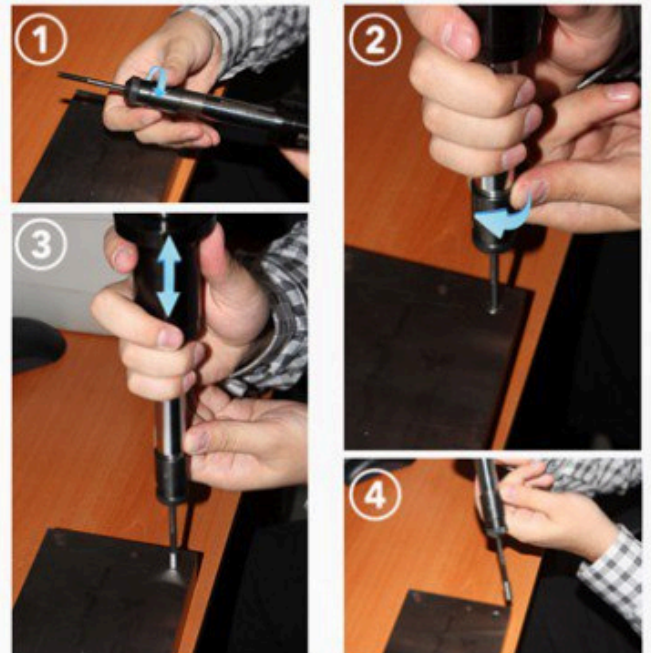
€ 99

This product is designed to dismantle threaded dowel pins quickly and safely. In addition, it can be used on other threaded machine components. This extractor tool is supplied in plastic bag with adaptors supplied in plastic bag with adaptors between M3 - M8.

► Technical Detail:



► Usage:



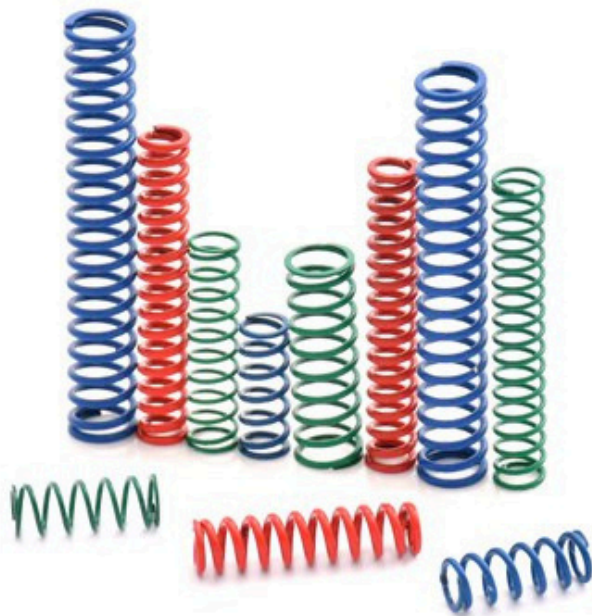
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NEW! small series

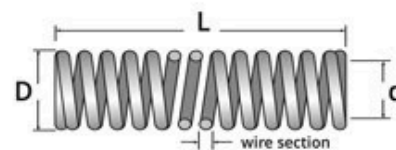
The small springs in this brochure are made from round crosssection wire and are subdivided in three series. Each series has its own colour which allows easy identification. We make the pressing to solid also on these springs to avoid considerable settlements when the springs work.

Tolerances:

"R" $\pm 10\%$ "D" ± 0.5 mm

Material:

UNI EN 10270-1 SH



D: Outer Diameter

d: Rod Diameter

L: Length

R: Load Rate (N)

S - Max: Stroke

F - Max: Load N

Green - Light Load Spring

Order Code	D	d	L	R	S - Max	F - Max
TVY 0616	6	4.7	16	1.60	10	16
TVY 0625			25	0.86	15	13
TVY 0638			38	0.64	23	15
TVY 0651	wire section 0.6 mm		51	0.38	31	12
TVY 0816	8	6.2	16	2.40	9	22
TVY 0825			25	1.30	14	18
TVY 0838			38	0.82	21	17
TVY 0851	wire section 0.8 mm		51	0.56	28	16



Blue - Medium Load Spring

Order Code	D	d	L	R	S - Max	F - Max
TBM 0616	6	4.2	16	5.20	8.5	44
TBM 0625			25	3.06	13	40
TBM 0638			38	1.86	20	37
TBM 0651	wire section 0.8 mm		51	1.56	27	45
TBM 0816	8	5.8	16	7.23	9	65
TBM 0825			25	3.90	13	51
TBM 0838			38	2.36	20	47
TBM 0851	wire section 1 mm		51	1.64	26	43



Red - Heavy Load Spring

Order Code	D	d	L	R	S - Max	F - Max
TRK 0616	6	3.9	16	12.78	8	102
TRK 0625			25	6.26	12	75
TRK 0638			38	5.0	19	95
TRK 0651	wire section 1 mm		51	3.64	25	91
TRK 0816	8	5.5	16	16.94	8	136
TRK 0825			25	10.02	11	110
TRK 0838			38	6.24	17	106
TRK 0851	wire section 1.2 mm		51	4.36	22	96

