

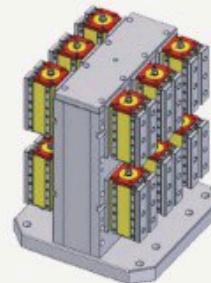
Permanent Magnetic Clamping Block "ECB Series"



 **EARTH-CHAIN**
Power that works.



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



Güvenal Die & Mould Components | "A Member of Güvenal Corporate Group"

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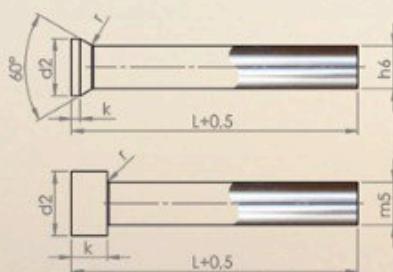


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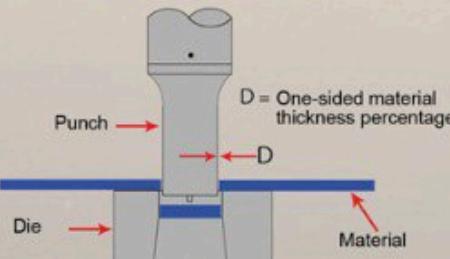
Standard Punches



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.

CONTACT US

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

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

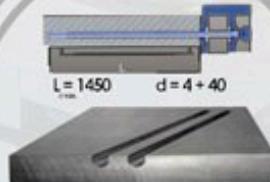
It is suitable for use at punches requiring high stiffness. Its colour is grey-blue. It provides high resistance against cracking in punches. It is appropriate for use at high speeds.

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

Custom - Made Die Sets & Mould Bases



“Gun Drill
Machining”



GUVENAL KALIP ELEMANLARI A.S
“Productive Cooperation”


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www.guvenal.net

Rami Kışla Caddesi Emintas 3 Sanayi Sitesi No: 56 - 57 - 58
Topcular - Eyüp 34055 İstanbul / TURKEY Tel : +90 212 501 53 81 (Pbx : 142 - 153)

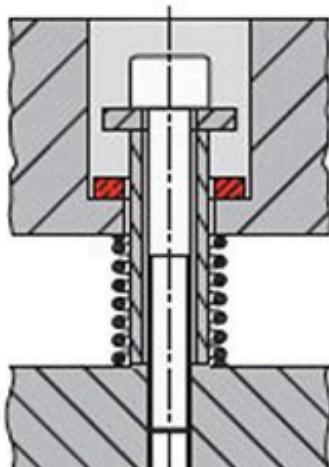
Economic Products

Stock Delivery

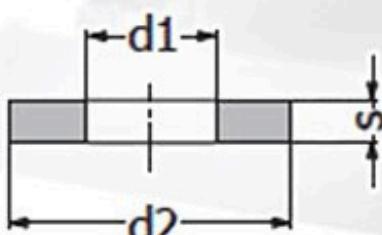
Guvenal
Die & Mould Components
Since 1976

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		d2	d1	s	
Ø 16	6.5	3 mm		Ø 40	13.5	5 mm		Ø 50
	11	4 mm			17	6 mm		
Ø 20	8.5	3 mm		Ø 63	21	7 mm		Ø 80
	11	4 mm			32	8 mm		
Ø 25	13	5 mm		Ø 100	17	6 mm		Ø 100
	10.5	3 mm			26	7 mm		
Ø 32	12	4 mm			32	8 mm		
	14	5 mm			37	10 mm		
Ø 32	13.5	3 mm		Ø 63	17	6 mm		Ø 80
	18	4 mm			32	10 mm		
Ø 32	21	5 mm			21	8 mm		Ø 100
	23.5	6 mm			42	10 mm		
Ø 32	25	7 mm			21	10 mm		



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

PERFECT Price
Performance

Fast Compact Universal



€ 45,40

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 
Die & Mould Components
1976



€ 15,40

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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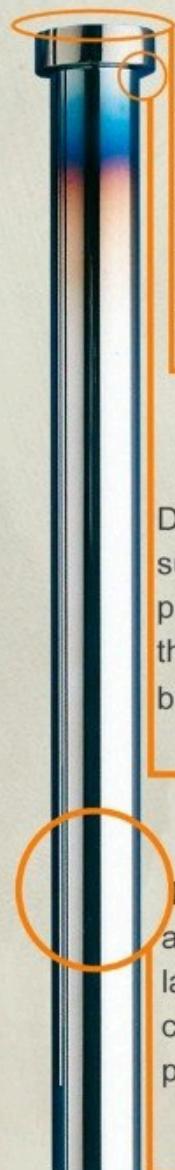
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Why Güvenal?

Kalıp Elemanları A.Ş.

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.



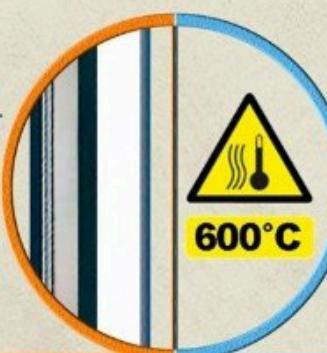
During pressure the moulding does not stick to the raw material in the mould - slippery surface.

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

"EEP" 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 Guvenal).
- 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.

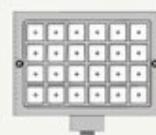
EEP-3040W - 340 mm x 430 mm - AC 380 / 440 V

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

EEP-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

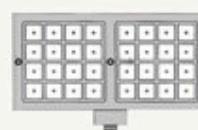


EEP-3040 W

€ 2.199

EEP-3040 W
2 pcs. Chuck + 1 Controller

€ 3.819

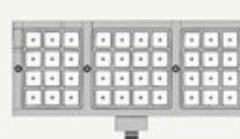


EEP-4060 W

€ 3.349

EEP-4060 W
2 pcs. Chuck + 1 Controller

€ 6.159

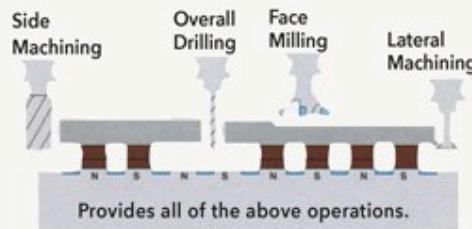


EEP-40100 W

€ 5.579

EEP-40100 W
2 pcs. Chuck + 1 Controller

€ 10.160



Video



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Campaign

Fiber Ceramic Polishing Stones

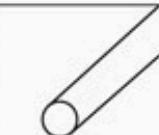


Ceramic polishing stones prepared by pressing with resin binder spraying screened, gauged micron diamond particles on powerful fiber textured ceramic, polishing stones have the feature of resistance with flexible structure against breakage, it is an excellent running in kit as levelling kit at precision 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.

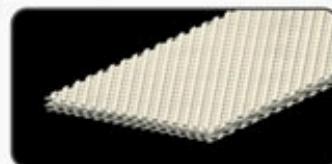
Order Code	Dimension x Grit	Price Euro
CSB4000003	3 x 400	9.95 €
CSB4000104	1 x 4 x 400	3.95 €
CSB4000106	1 x 6 x 400	6.95 €
CSB4000110	1 x 10 x 400	9.95 €
CSC1800003	3 x 180	9.95 €
CSC1800104	1 x 4 x 180	3.95 €
CSC1800106	1 x 6 x 180	6.95 €
CSC1800110	1 x 10 x 180	9.95 €
CSD2800003	3 x 280	9.95 €
CSD2800104	1 x 4 x 280	3.95 €
CSD2800106	1 x 6 x 280	6.95 €
CSD2800110	1 x 10 x 280	9.95 €
CSN3600003	3 x 360	9.95 €
CSN3600104	1 x 4 x 360	3.95 €

Order Code	Dimension x Grit	Price Euro
CSN3600106	1 x 6 x 360	6.95 €
CSN3600110	1 x 10 x 360	9.95 €
CSO2500003	3 x 250	9.95 €
CSO2500104	1 x 4 x 250	3.95 €
CSO2500106	1 x 6 x 250	6.95 €
CSO2500110	1 x 10 x 250	9.95 €
CSR1200003	3 x 1200	9.95 €
CSR12000104	1 x 4 x 1200	3.95 €
CSR12000106	1 x 6 x 1200	6.95 €
CSR12000110	1 x 10 x 1200	9.95 €
CSY7000003	3 x 700	9.95 €
CSY7000104	1 x 4 x 700	3.95 €
CSY7000106	1 x 6 x 700	6.95 €
CSY7000110	1 x 10 x 700	9.95 €

Güvenal -GTH-
Die & Mould Components
1976

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

Strong Fiber Texture / Resistant Structure



Order Code: WH22K Order Code: WH041 Order Code: WH061 Order Code: WH101



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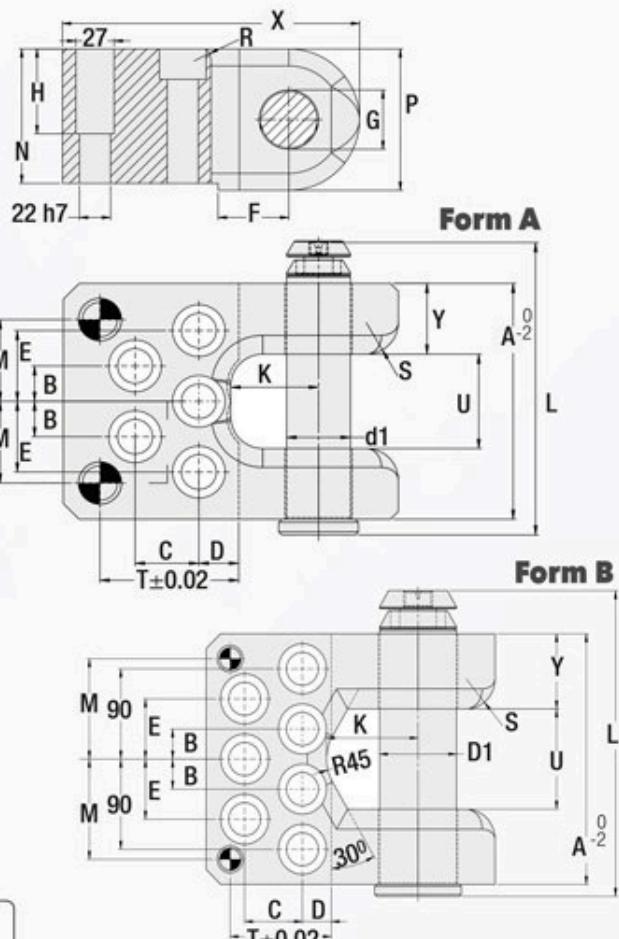
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Die Lifting Bracket - BMW

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



New Product

3D Data Available

Product Line : Mould Components

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.



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

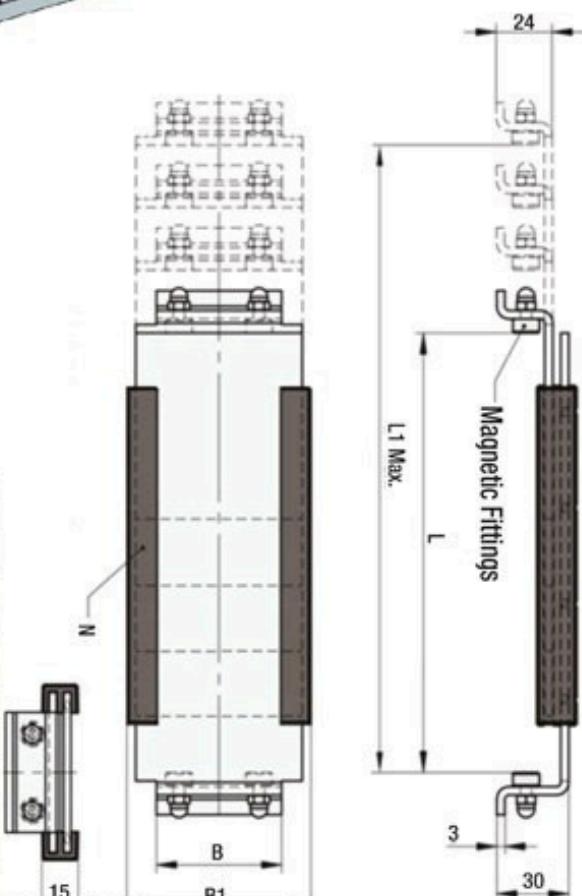
Order	L - L1 Max.	N	B1	B
G.158 / 156 - 218 x 56	156 - 218	2	78	56
G.158 / 156 - 218 x 76			98	76
G.158 / 156 - 218 x 96			118	96
G.158 / 246 - 396 x 66	246 - 396	2	88	66
G.158 / 246 - 396 x 76			98	76
G.158 / 246 - 396 x 86			108	86
G.158 / 246 - 396 x 96	446 - 596	2	118	96
G.158 / 246 - 396 x 116		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

Güvenal
Die & Mould Components
Since 1976

- ✓ Productive
- ✓ Available in Stocks
- ✓ Practical Application



Material :
PC (Polycarbonate)



Güvenal Kalıp Elemanları San. ve Tic. A.Ş.
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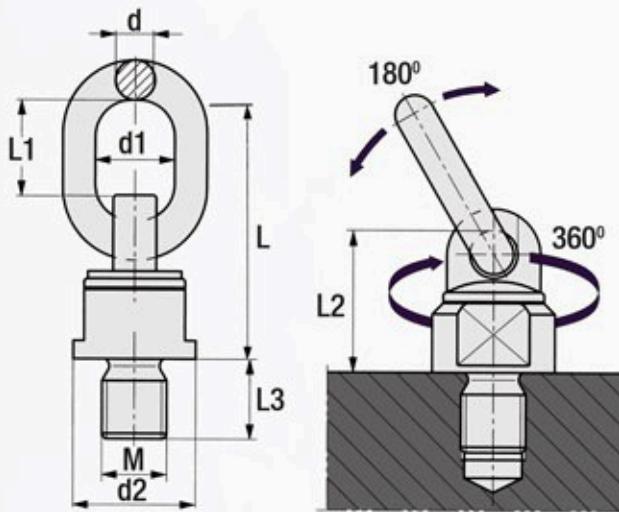
Rotary Safety Eyebolt

Code: G140



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.


 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 $\geq 5:1$)

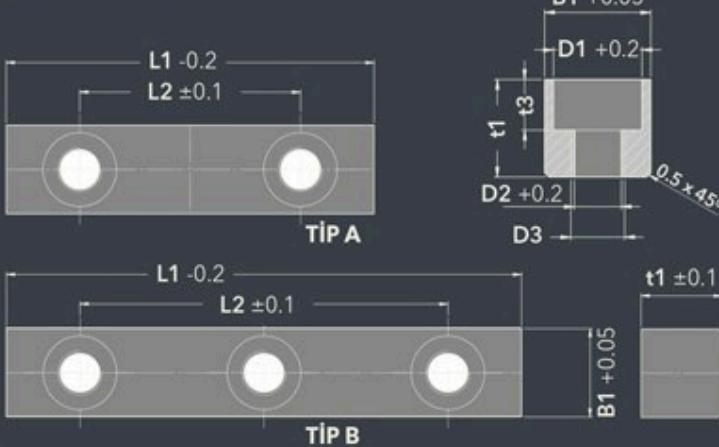
P: Ton

M x Thread	P Vertical 0°	P Lateral 90°	P Two Angled 45°	P Two Angled 60°	P Four Angled 45°	P Four Angled 60°
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




G147
Support Slide for Core Position

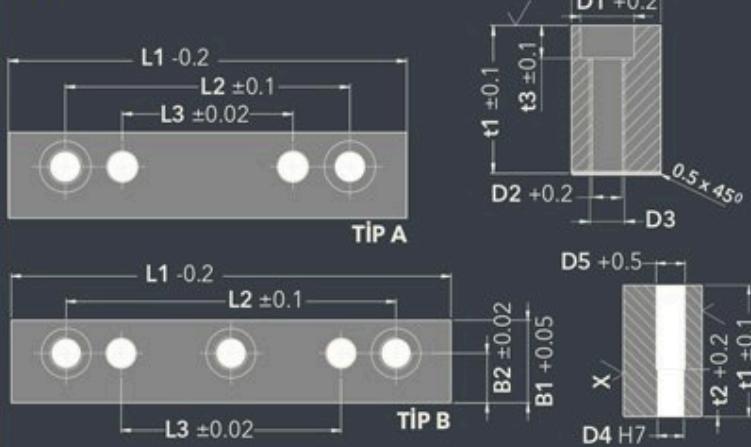
Code: G147



Order Code	B1	t1	L1	Tip	t3	L2	D1	D2	D3
G147.1250			50	A		30			
G147.1260			60			40			
G147.1270			70	B		50			
G147.1275			75			60			
G147.1280			80	5.7		60			
G147.1290	12		90			70	10	5.3	M6
G147.12100			100	B		80			
G147.12120			120			100			
G147.12140		16	140	A		120			
G147.12160			160			140			
G147.12180			180	6.8		160			
G147.18100			100			76			
G147.18120			120	B		96			
G147.18140	18	16	140			116	11	6.4	M8
G147.18160			160	6.8		136			
G147.18180			180			156			
G147.24140			140	B		116			
G147.24160			160			136			
G147.24180	24	21	180	A		156	11	6.4	M8
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			50	A				30	10					
G148.1560			60					40	20					
G148.1570	15	11	70	B				50	30					
G148.1575			75					60	40					
G148.1580			80	A				60	40					
G148.1590			90					70	50					
G148.1880			80	B				56	32					
G148.18100			100					76	52					
G148.18120	18	22	120	A		11	12	6.8	96	72				
G148.18140			140					116	92					
G148.18160			160	B				136	112					
G148.24100			100					68	36					
G148.24120			120	A				88	56					
G148.24140	24	36	140					108	76					
G148.24160			160	B				128	96					
G148.24180			180					148	116					
G148.30120			120	A				80	40					
G148.30140			140					100	60					
G148.30160	30	50	160	B		18	18	11	120	80				
G148.30180			180					140	100					
G148.30200			200	A				160	120					



FOR MORE QUALIFIED AND
EXTRA PRECISE DRILLING...

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



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: **G163**



Technical data!

Code: **G164**



Technical data!



DRILL BUSH - HEADED

DIN 172 - 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

- Guvenal 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 Guvenal quality assurance label from our stocks.



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New solution

Order Code: **G170**

Güvenal GTH
Die & Mould Components
1976

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



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

Güvenal

GTH
1976

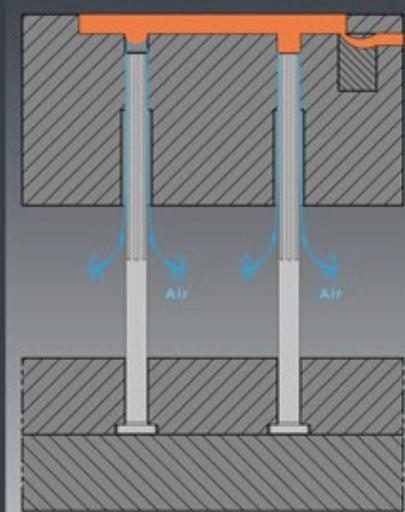
Die & Mould Components



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

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

Mounting example :



Material:

1.2516 WS

Hardness:

60±2 HRC



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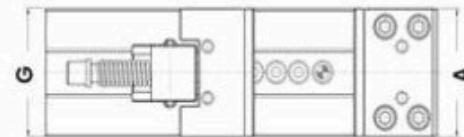
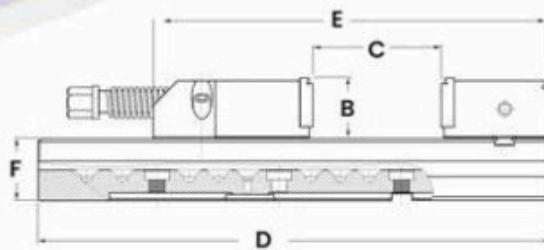
GTH



PRECISION MODULAR VICE



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

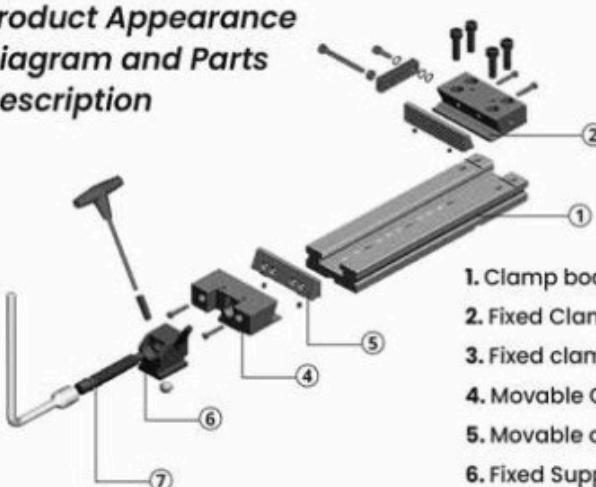


KING Code	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight Kg.	Tightening Force	Special Prices
NCB 150 A	150	50	200	420	500	50	125	25	30 kgf.	€ 392
NCB 150 B	150	50	300	520	600	50	125	29	30 kgf.	€ 448
NCB 175 B	175	60	300	555	630	58	145	42	30 kgf.	€ 588
NCB 200 B	200	65	300	595	680	70	170	69	40 kgf.	€ 815

Product Appearance

Diagram and Parts

Description



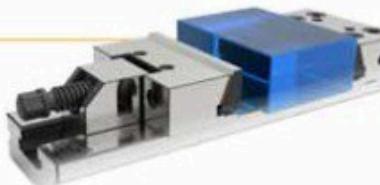
1. Clamp body
2. Fixed Clamp
3. Fixed clamp splint
4. Movable Clamp
5. Movable clamp splint
6. Fixed Support
7. Screw

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



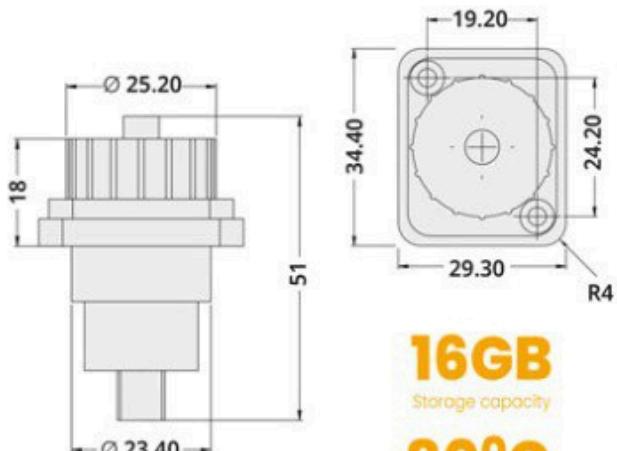
Injection settings, raw material details, 3D/2D drawings of the mould, mould material list, periodic maintenance information, and processes are always accessible together with your mould.

MOULD ID MEMORY

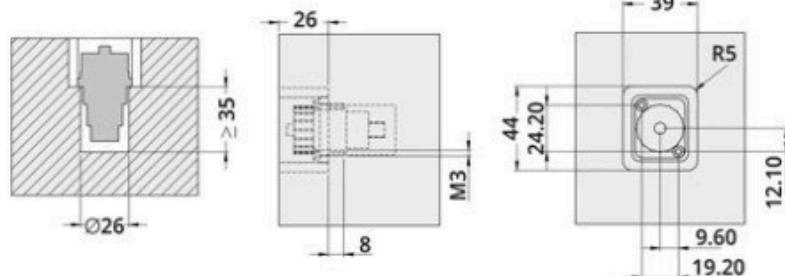
In today's world, data management is more critical than ever. The Guvenal "G181" series, with its specially designed structure and innovative technology, helps meet these needs.

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.

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

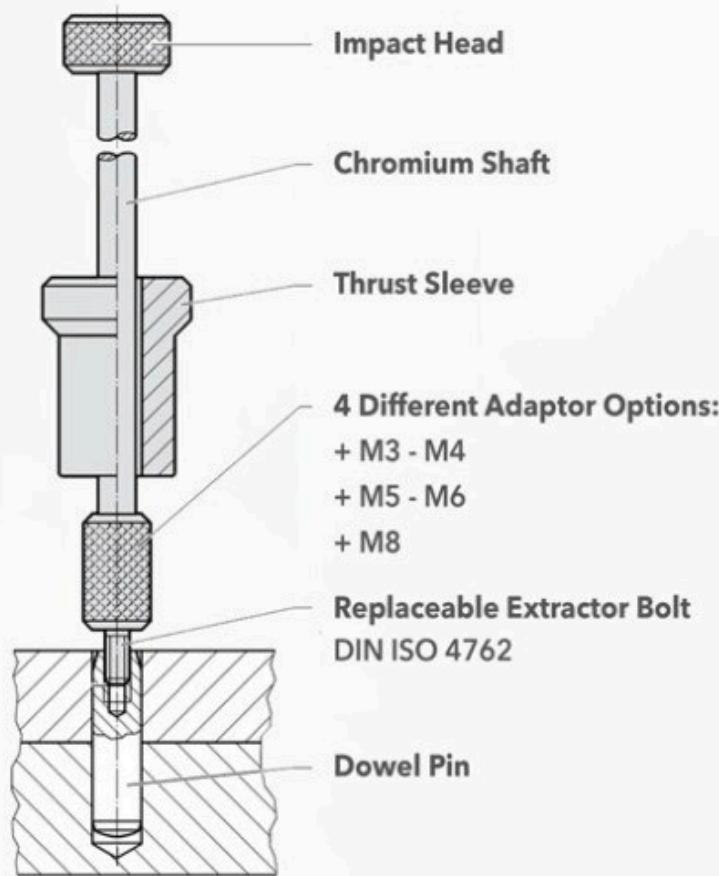


Special Price:

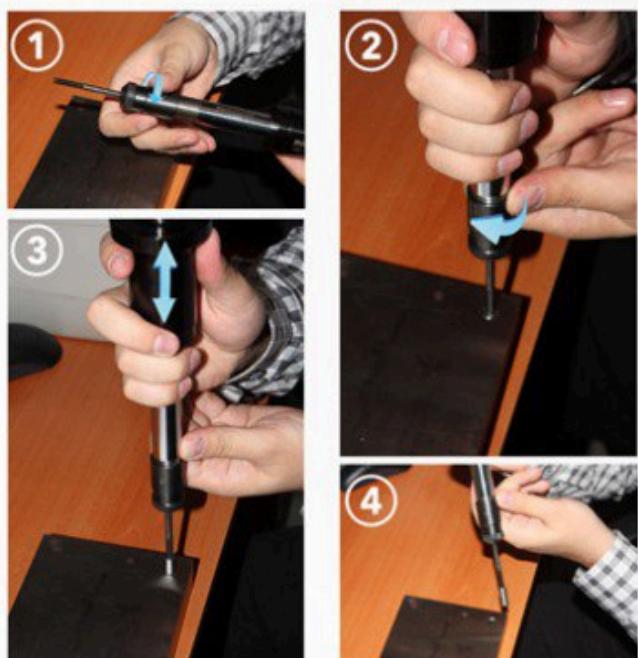
€ 99

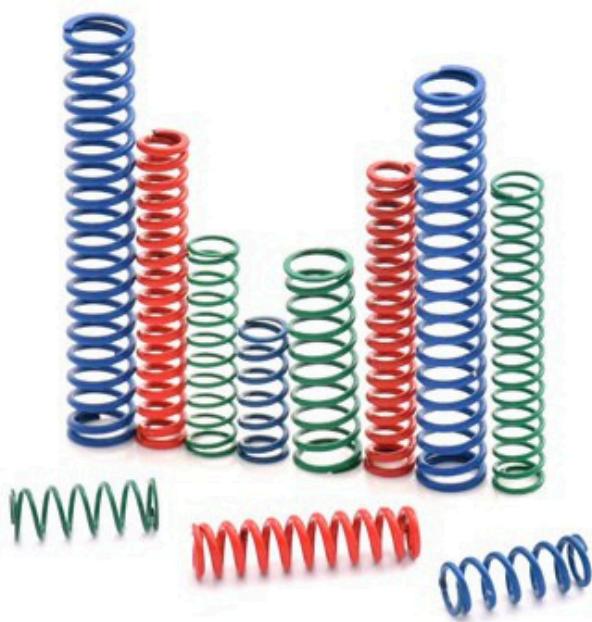
This product is designed to dismantle threaded dowel pins quickly and safely. In addition, it can be used on other threaded machine components. This extractor tool is supplied in plastic bag with adaptors supplied in plastic bag with adaptors between M3 - M8.

► Technical Detail:



► Usage:





NEW! small series

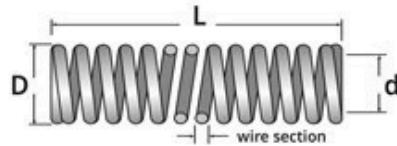
The small springs in this brochure are made from round crosssection wire and are subdivided in three series. Each series has its own colour which allows easy identification. We make the pressing to solid also on these springs to avoid considerable settlements when the springs work.

Tolerances:

"R" \pm 10% "D" \pm 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			16	1.60	10	16
TVY 0625	6	4.7	25	0.86	15	13
TVY 0638			38	0.64	23	15
TVY 0651		0.6 mm	51	0.38	31	12
TVY 0816			16	2.40	9	22
TVY 0825	8	6.2	25	1.30	14	18
TVY 0838			38	0.82	21	17
TVY 0851		0.8 mm	51	0.56	28	16



Blue - Medium Load Spring

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



Red - Heavy Load Spring

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

