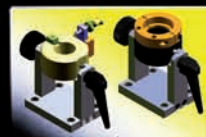


*Success is the combination of
Hard work with Smart work.*



P.R.

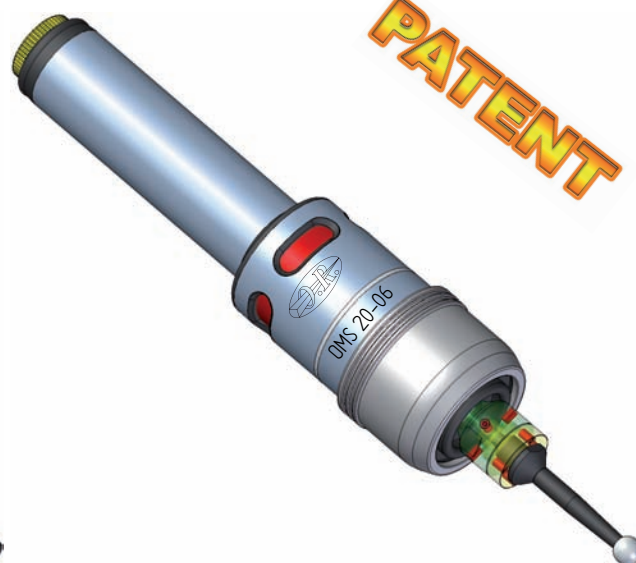
CAT. & LIST 1 - 2015



Centratore tridimensionale Three - dimensional edge finder

OMT 20-06
OMS 20-06

Regolazione millesimale
Micrometric adjusting



PATENT

New

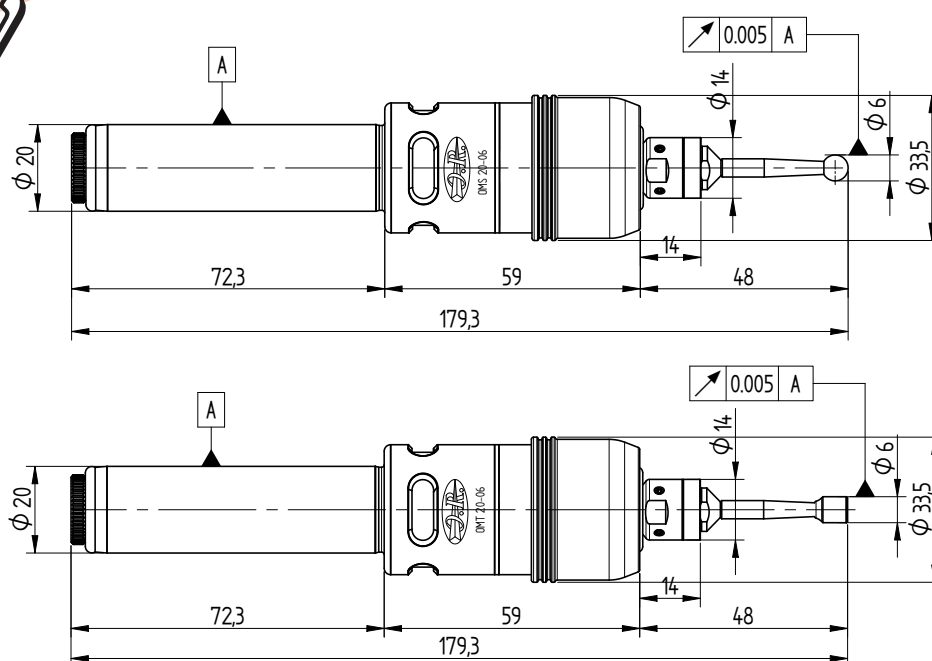


Photo						
Code	00120060	00120061	00100003	00100005	BAT 00027	00100015
Typ	OMT 20-06	OMS 20-06	TAM 20 06	TAS 20 06	MN 9100	LAMP 3D
€	532,00	630,00	85,40	128,80	10,95	28,00

Centratore tridimensionale

Three - dimensional edge finder



Il centratore tridimensionale dà immediatamente, la posizione, la misura, l'allineamento, la profondità, con l'accensione istantanea della spia luminosa. Il led rosso si accende immediatamente attorno a tutta la fascia del centratore, appena lo stesso sfiora il pezzo da sondare. L'alta velocità di sondaggio elimina i tempi morti. Lo snodo di compensazione (BREVETTATO) riduce la possibilità di eventuali rotture. (Scostamento rispetto all'asse di circa 15 mm, scostamento in compressione di 5 mm)

COME UTILIZZARE IL CENTRATORE TRIDIMENSIONALE O.R.

Come ottenere esattamente la misura.
Avvicinare lentamente (Senza ruotare) il centratore alla superficie da rilevare, al contatto il led rosso si accenderà.
Occorre comunque tenere presente il diametro della punta tastatrice ($\varnothing 6$ mm): quindi a contatto avvenuto e a led acceso bisognerà detrarre 3 mm per misura esterna e aggiungere 3 mm in caso di misura di interni.

Precisione di misura ± 2.5 micron
Precisione del centratore $\pm 1/100$
Precisione del centratore in relazione all'attacco $\pm 0,005$

ATTENZIONE: Il centratore non deve ruotare

New

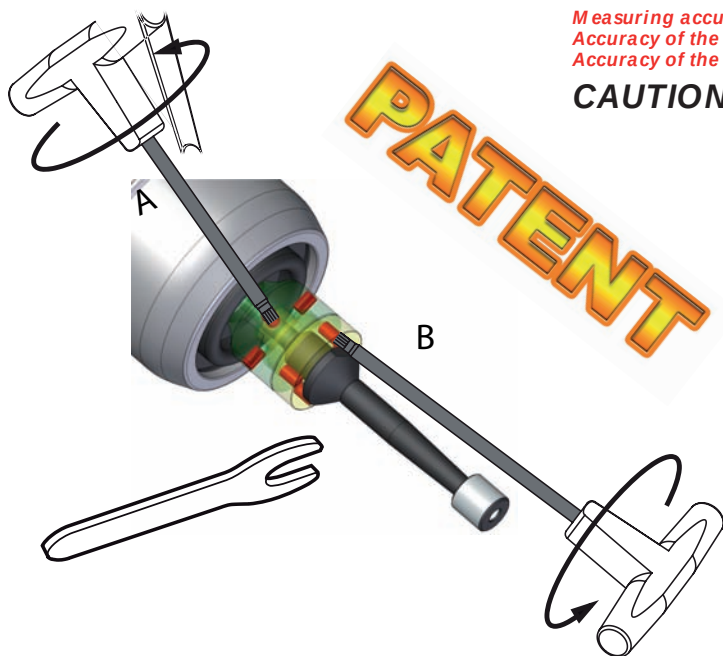
The three-dimensional centering device immediately gives the position, measurement, alignment or depth causing a signalling lamp to light up instantaneously. The red LED lights up immediately around the whole strip of the centering device as soon as it akims the work-piece to be measured. The high detection speed eliminates downtimes. The (PATENTED) off-set joint reduces the possibility of breakage (deviation from the axis by about 15mm compression deviation by about 5 m)

HOW TO USE THE OMT 20-06 THREE-DIMENSIONAL CENTRING DEVICE

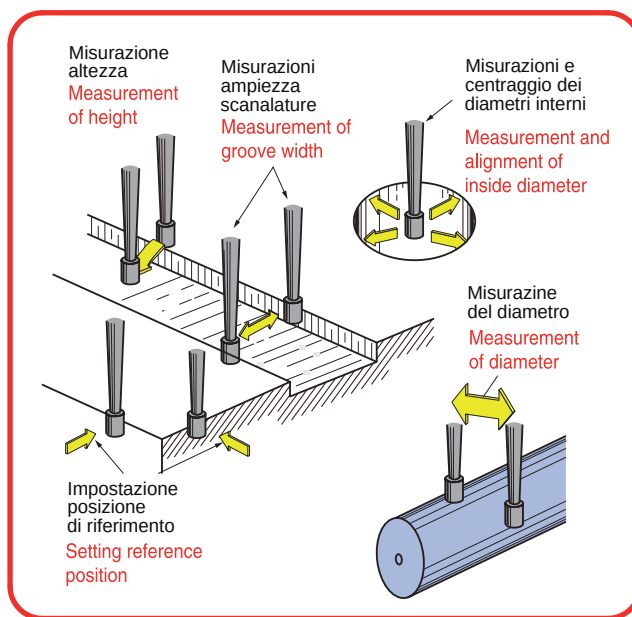
To obtain the exact measurement:
Bring the centering device slowly towards the surface to be measured (without rotating it). As soon as contact is made the red LED will light up
It is in any case necessary to keep the diameter of the detection tip in mind (dia. 6 mm.). Once contact has been made and the LED has lit up, it is therefore necessary to subtract 3 mm for external measurements or to add 3 mm for internal measurements.

Measuring accuracy ± 2.5 microns.
Accuracy of the centering device $\pm 1/100$
Accuracy of the centering device in relation to the shank ± 0.005

CAUTION : The centering device must not rotate.



Regolazione millesimale
Micrometric adjusting





Centratore tridimensionale Three - dimensional edge finder

OMC 20-036

Stessa risoluzione
su tutti gli assi

Same resolution
in all axis

Disegno attraente
Attractive design

Estremità mini
Extremely slim

Segno di rottura
Breaking point

Tastatore normale $\varnothing 3$
Probe tip standard $\varnothing 3$

Tastatore lungo $\varnothing 6$
Probe tip long $\varnothing 6$

Sfera in MD
Carbide ball



New

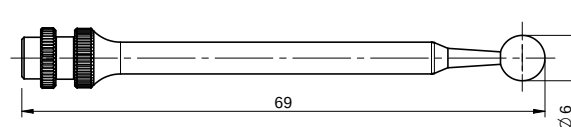
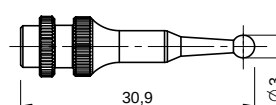
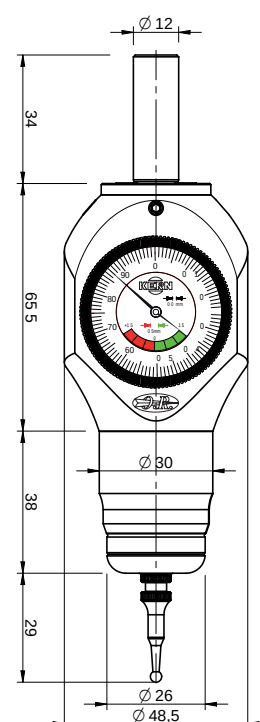
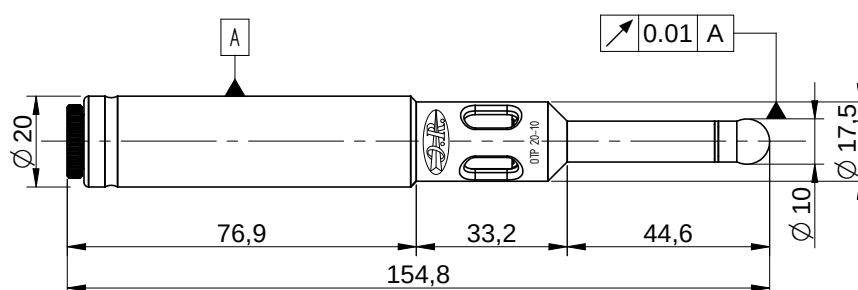
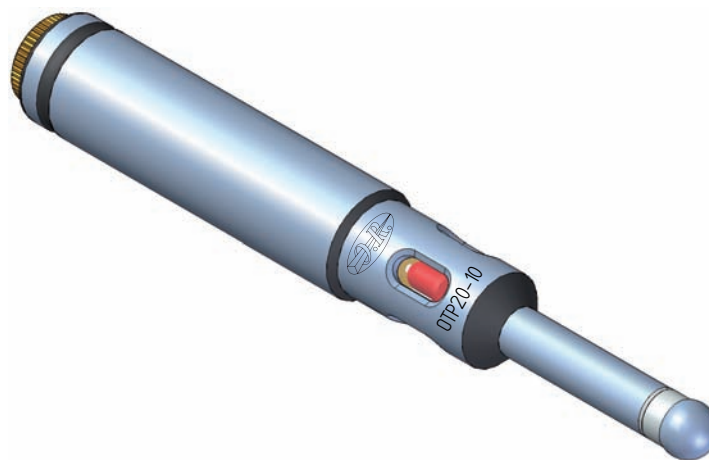
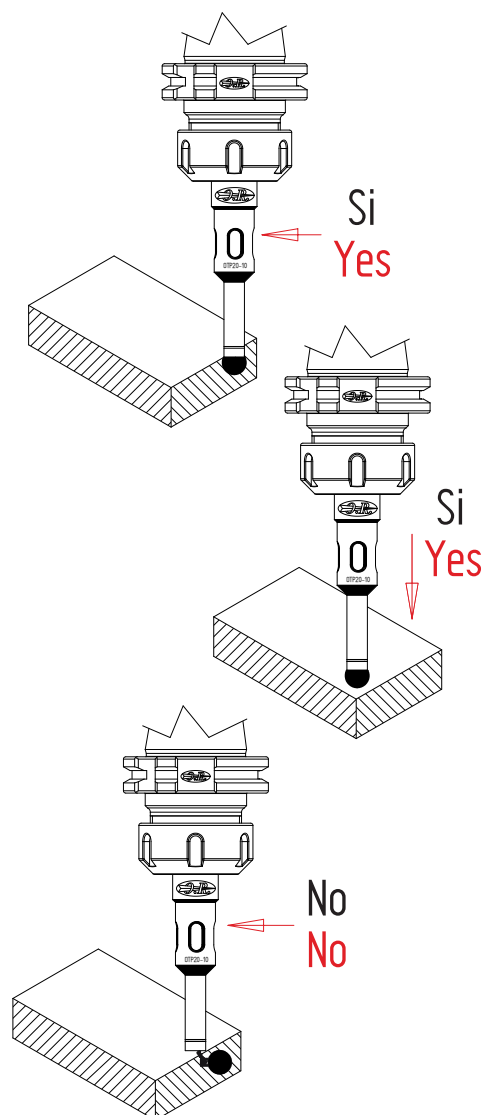


Photo			
Code	001500036	001503031	001506069
Typ	OMC 20-036	TAS 03031	TAS 06069
€			

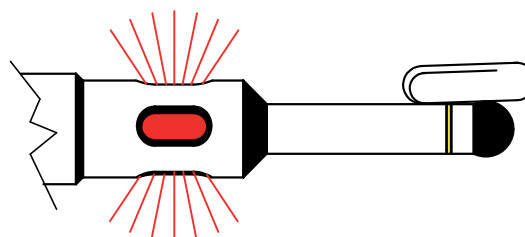
Centratore a sfera a segnale luminoso Ball edge finder with lamp



OTP 20-10



ATTENZIONE: Il centratore non deve ruotare
CAUTION: the edge finder must not rotate.



Metodo di rilevamento : indicazione istantanea con accensione del led rosso : la spia rossa si accende attorno a tutto il corpo del centratore in modo da non lasciare zone buie.

Measuring method: immediate signaling by the red lamp that turns on all around the body of the edge finder so no dark area is left.

Photo						
Code	001 20 100	002 20 010	MOL 01 002	GUAR06025	BAT 00027	00220015
Typ	OTP 20-10	SFE Ø 10	MOLOTPR	GUAR06025	MN 9100	LAM-SFE
€	116,90	30,80	7,00	3,00	10,95	28,00



Centratore di precisione Precision edge finder

**ORB
ORI**

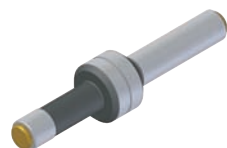


Fig. 1



Fig. 1

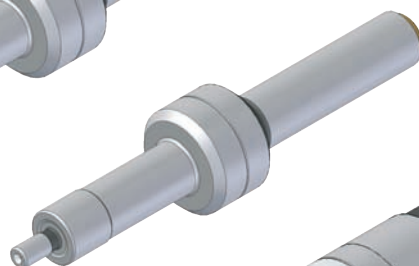


Fig. 2

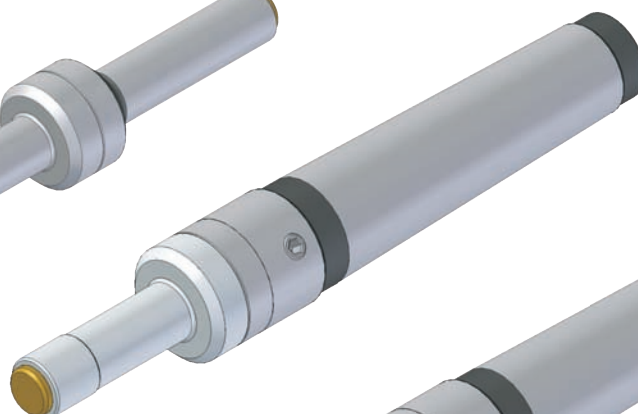


Fig. 3

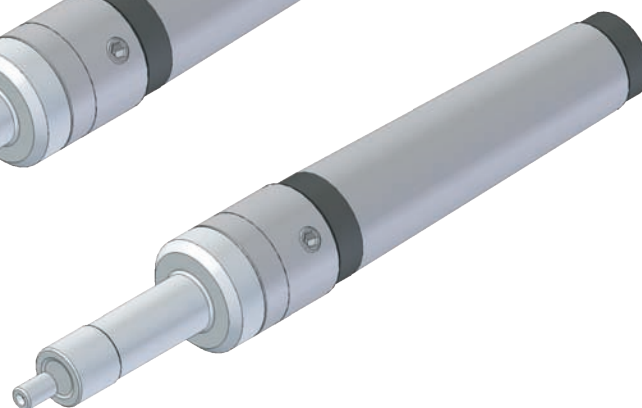
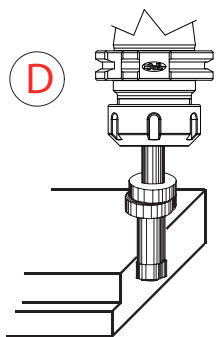
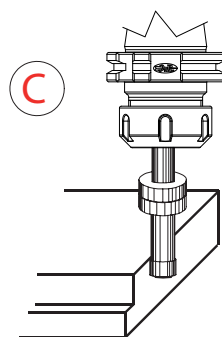
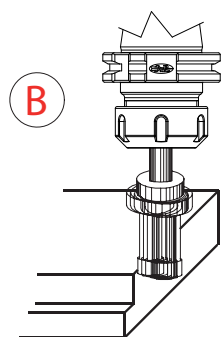
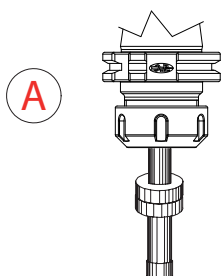


Fig. 4



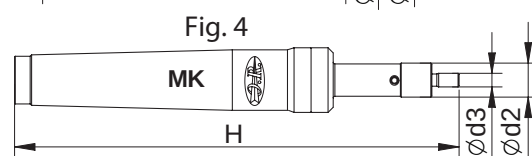
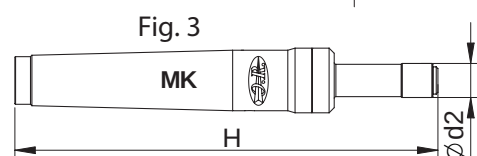
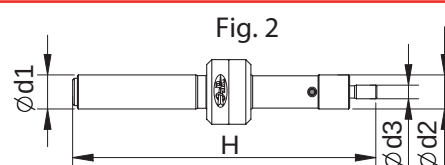
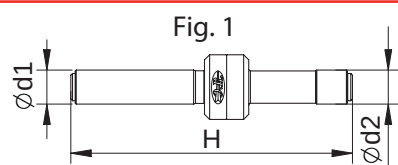
ISTRUZIONI D'USO

- Chiudere il centratore nel mandrino (Fig. A)
- Regolare il centratore l'eccentricità di circa 0,5 mm (Fig. B)
- Far ruotare la macchina a circa 500/600 giri / 1".
- Avvicinare con prudenza e toccare il pezzo con il centratore (Fig. B) e continuare a premerlo contro dolcemente finchè l'eccentricità sparisca (Fig. C)
- Continuando a premerlo, la parte inferiore del centratore inizierà a scostarsi nell'uno o nell'altro senso. Il punto esatto nel quale lo spostamento della parte inferiore (Fig. D) è la posizione cercata.
- Non scordare di aggiungere la metà del diametro, cioè 5 mm (2 mm OR 2) per ottenere la posizione esatta. Precisione di ripetizione $\pm 0,001$ mm.
- Grazie alla sua concezione, sono esclusi errori di centraggio anche se il mandrino presentasse un'eccentricità. Per Vostra sicurezza, ripetere, 2 - 3 volte l'operazione di misura.
- RICORDARSI DI:** non far ruotare a velocità superiore di 600 giri / 1".
- Aver cura che tra le due superfici di scorrimento ci sia sempre un velo di vaselina pura.

INSTRUCTIONS FOR USE

- Lock the centering device in the chuck (Fig.A)
- Adjust the centering device, eccentricity about 0.5 mm (Fig. B)
- Let the machine run at about 500/600 r.p.m.
- Bring the work - piece closer with caution and allow the centering device to touch it (Fig.B), conti to push it gently until the eccentricity disappears (Fig.C).
- Continue to push. The lower part of the centering device will start to deviate in one or the other di The exact point of deviation of the lower part (Fig.D) is the position sought.
- To not forget to add half of the diameter, that is to say 5 mm (2 mm for the OR 2) to obtain the ex position. Repeating precision ± 0.001 mm.
- Thanks to its desing, centering errors are excluded, even in the event of eccentricity of the chuck. For safety's sake, repeat the measuring operation twice or three times.
- REMEMBER :** not to allow the machine to run at a speed higher than 600 r.p.m.
- Make sure that there is always a veil of pure petrolatum between the two sliding surfaces.

Centratore di precisione Precision edge finder



ORB
ORI

Photo	Cod.	Type	Ø d1	MK	Ø d2	Ø d3	Ø d4	H	Fig.	Pos.	Esecuzione Execution	€
	005 06 101	ORA 0	6		6		14	52	1	0	Nero Black	98,00
	005 10 101	ORB 1	10		10		19	83	1	1	Rettificato Ground	45,50
	005 10 111	ORI 1									Amagnetico Non-magnetic	116,90
	005 10 102	ORB 2	10		10	4	19	83	2	2	Rettificato Ground	56,00
	005 10 112	ORI 2									Amagnetico Non-magnetic	146,30
	005 02 101	ORB21		2			19	30	3	1	Rettificato Ground	118,30
	005 02 111	ORI21									Amagnetico Non-magnetic	207,90
	005 03 101	ORB31		3			19	30	3	1	Rettificato Ground	129,50
	005 03 111	ORI31									Amagnetico Non-magnetic	221,90
	005 02 102	ORB22		2			19	37	4	2	Rettificato Ground	128,80
	005 02 112	ORI22									Amagnetico Non-magnetic	237,30
	005 03 102	ORB32		3			19	37	4	2	Rettificato Ground	140,00
	005 03 112	ORI32									Amagnetico Non-magnetic	251,30
Photo												
Cod	005 12 101	005 12 103	005 20 101	005 20 102	005 20 103	005 20 104	005 20 105					
Pos.	0	0	1	2	1-2	2	2					
€	14,00	8,40	5,90	5,90	7,00	7,00	7,00					

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Azzeratore per utensili con comparatore
Zero setter for tools with dial indicator

OMZ 100-1
OMZ 100-5

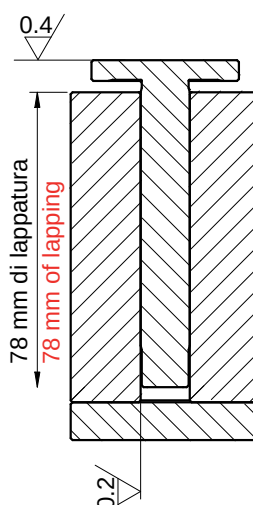
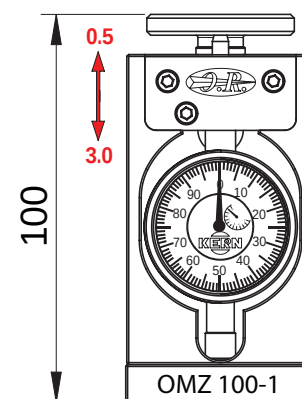
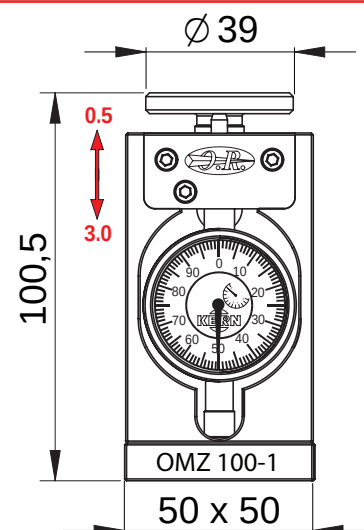
PATENT



Cod 003.0100.105
 Type OMZ 100-5



Cod 003.0100.101
 Type OMZ 100-1



Cod CO 040 OMZ
 Type COMP Ø 40

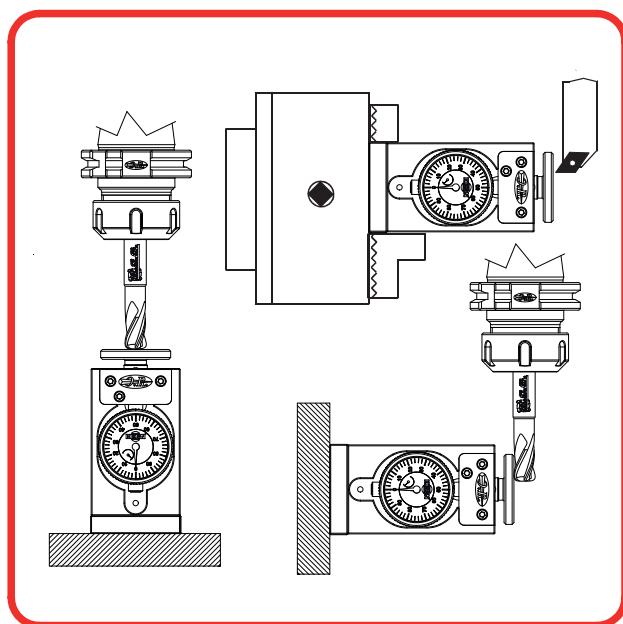


Photo			
Code	003.0100.105	003.0100.101	CO 040 OMZ
Typ	OMZ 100-5	OMZ 100-1	COMP Ø 40
€	539,00	546,00	72,00

Azzeratore per utensili con comparatore Zero setter for tools with dial indicator



PATENT

New

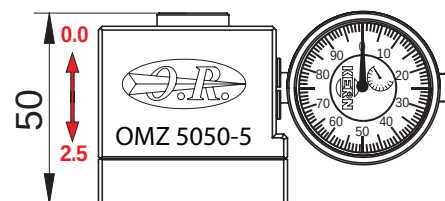
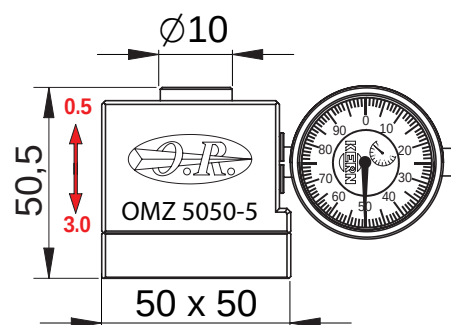
OMZ 5050-1
OMZ 5050-5



Cod 003.5050.101
Type OMZ 5050-1



Cod 003.5050.105
Type OMZ 5050-5



Cod CO 040 OMZ
Type COMP Ø 40

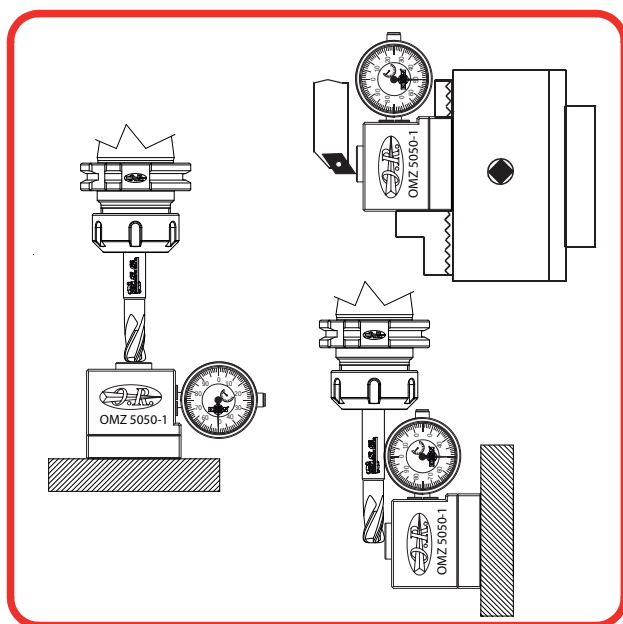


Photo			
Code	003.5050.105	003.5050.101	CO 040 OMZ
Typ	OMZ 5050-5	OMZ 5050-1	COMP Ø 40
€	308,00	315,00	72,00

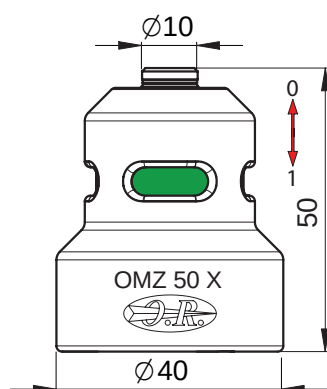


Azzeratore per utensili con luce
Zero setter for tools with lights

OMZ 50 X



Cod 003 40 051
 Type OMZ 50 X



PATENT



Led verde = Sistema di verifica funzionamento

Green led = Automatic system for checking operation



Led giallo = Indica la misura esatta

Yellow led = Indicate the exact detection reference point



Led rosso = Indica il superamento della misura (-0.04)

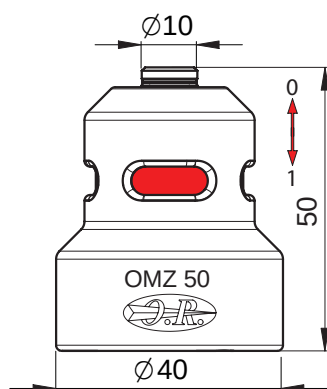
Red led = Reference point over shoot indicator (-0.04)



OMZ 50

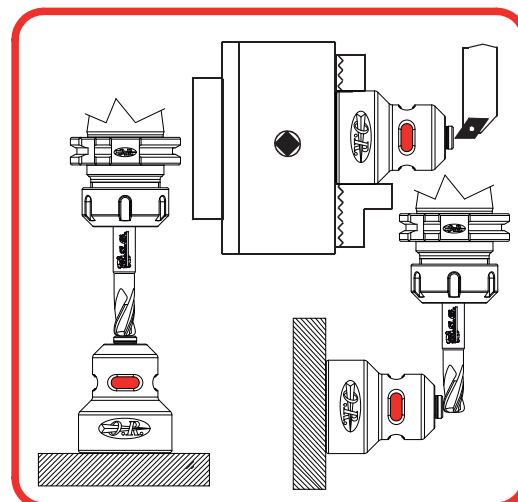


Cod 003 40 050
 Type OMZ 50

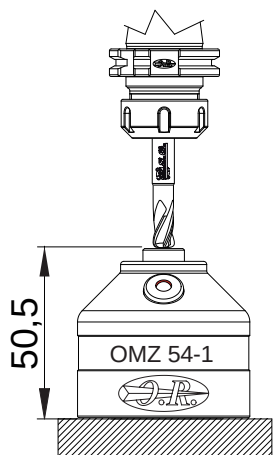


Cod BAT 00 028
 Type BPX 625

Photo			
Code	003.40.051	003.40.050	BAT 00 028
Typ	OMZ 50X	OMZ 50	BPX 625
€	359,50	242,50	14,00

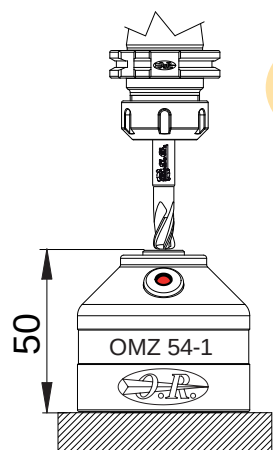


Azzeratore per utensili per tutti i materiali Zero setter for all material



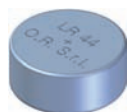
For all materials,
including non-conductive
cutting tools,workpieces,
and machine tools as ceramics.

Led spento mm 50.5
Led off mm 50.5

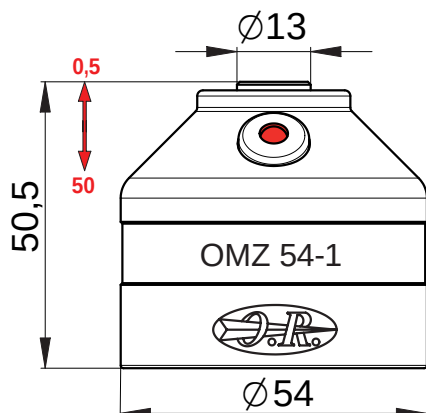


Adatto per tutti i materiali,
inclusi i non conduttivi
su tutte le macchine utensili
comprese macchine con
guide in ceramica

Led acceso mm 50
Led on mm 50



Cod BAT LR 44
Type BLR 44



PATENT



Cod 003 54 051
Type OMZ 54 -1



Cod 003 54 055
Type OMZ 54 -5



New

Photo			
Code	003.54.051	003.54.055	BAT LR 44
Typ	OMZ 54-1	OMZ 54-5	BLR 44
€			

Questo catalogo e' protetto a termini di legge e non puo' essere riprodotto senza l'autorizzazione scritta della O.R. Srl



Punta a tracciare per fresatrice
Jig borer for milling machine

PTF 80 12

PTF 80 16



Cod 014 08 012
Type PTF 80 12



Cod 014 08 016
Type PTF 80 16

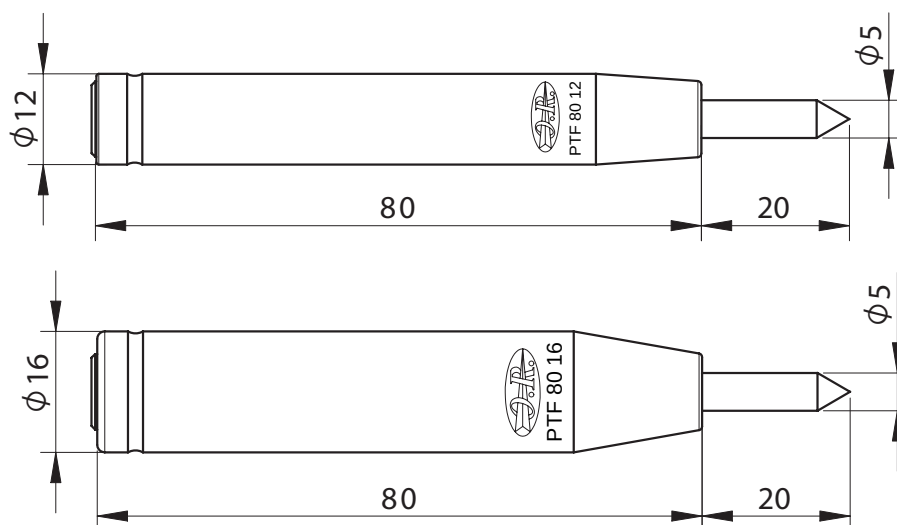
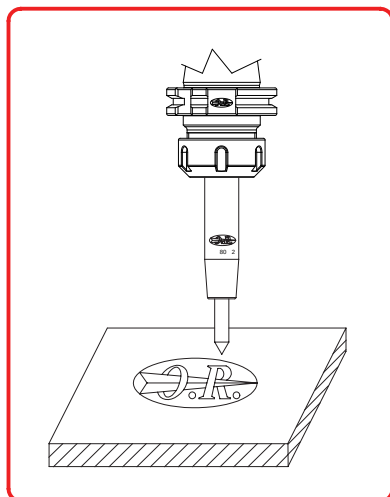


Photo				
Code	014 08 012	014 08 016	014 00 500	MOL 00 026
Typ	PTF 80 12	PTF 80 16	TRAC D5	MOL 014
€	84,00	91,00	39,50	7,00

Supporti magnetici portacomparatore

Magnetic dial support



USD

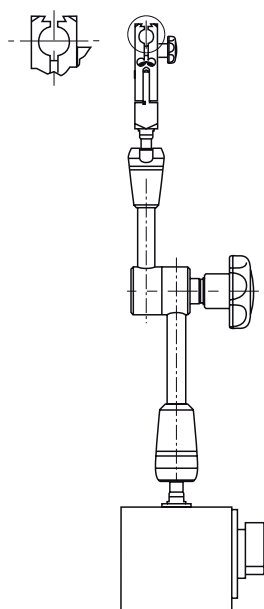
Bloccaggio con un'unica chiusura centrale:

- facile posizionamento
- 3 bloccaggi con un'unica chiusura
- essenti da manutenzione, meccanismo centrale bloccaggio rapido
- veloce, forte chiusura

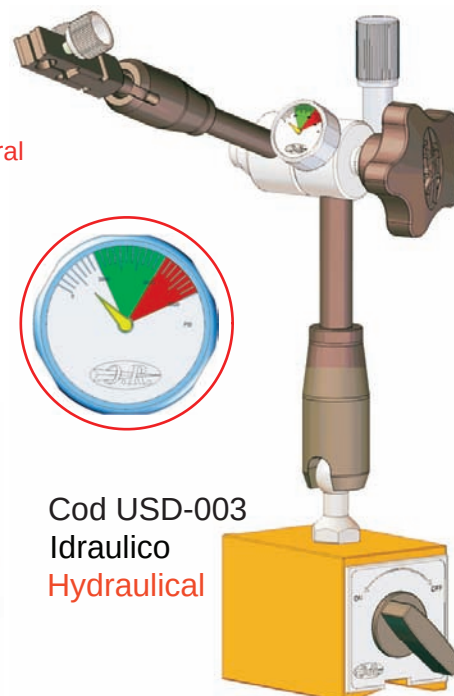
Clever central tightening system:

- easy positioning all joints fixed
- safely with one handle
- maintenance free, mechanical central tightening system
- quick, stepless lock

New



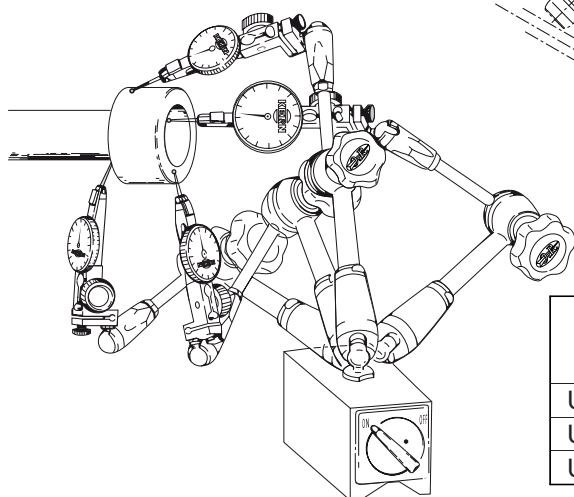
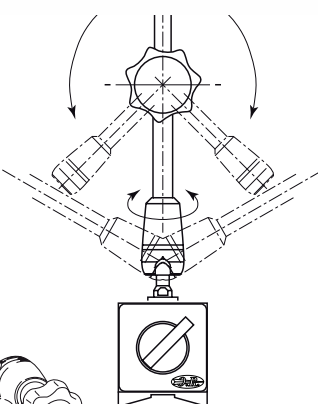
Cod USD-002
Meccanico
Mechanical



Cod USD-003
Idraulico
Hydraulic



Cod USD-001
Meccanico
Mechanical



Code Typ	Lung. totale mm Total height mm	Base(LxBxH) mm	Forza magnetica Kg Magnet force Kg	€
USD-001	340	85 x 50 x 55 - M8	120	229,00
USD-002	340	60 x 50 x 55 - M8	80	162,00
USD-003	310	75 x 50 x 55 - M8	100	202,00

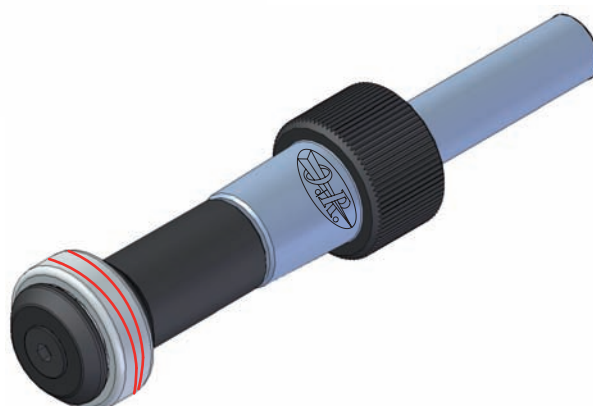


Centratore di precisione
Precision edge finder

ORC 012 010
ORC 010 022



Cod 005 012 010
Type ORC 012 010



Cod 005 010 022
Type ORC 010 022

New

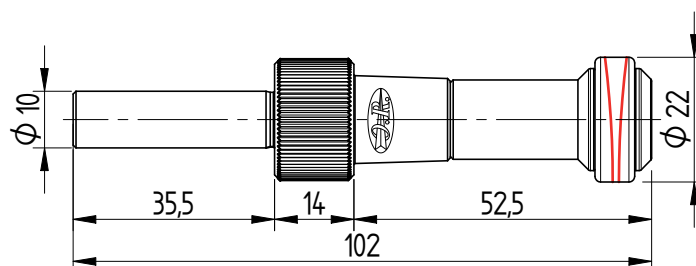
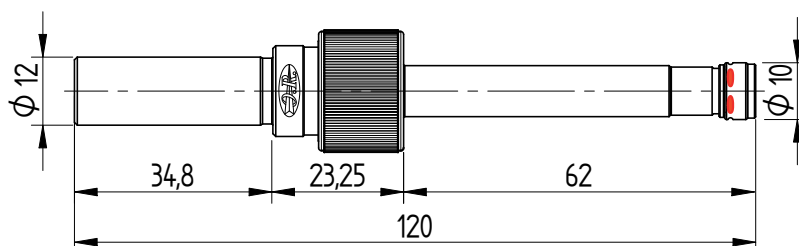
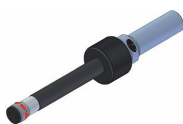
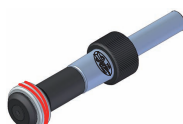
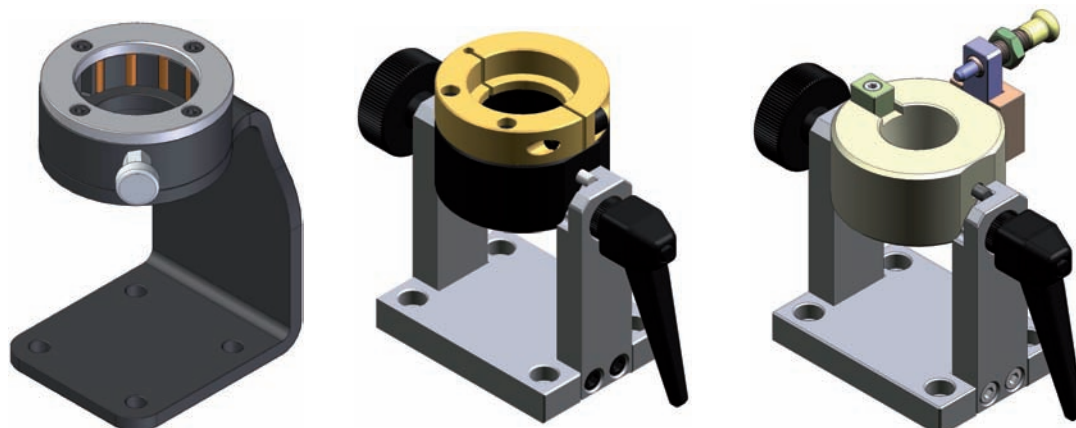


Photo		
Code	005 012 010	005 010 022
Typ	ORC 012 010	ORC 010 022
€		

Smontaconi - Montaconi

Tool for fitting and removing chuck



MF-ISO
MF-HSK-PSC
PATENT

PSC* DIN ISO 26623-1
(= Capto Sandvik Coromant)

Code	Photo	DIN 2080	DIN 69871	MAS 403 BT	HSK	PSC* CAPTO	KM	€
015 30 000		ISO 30	ISO 30	ISO 30				185,00
015 40 000		ISO 40	ISO 40	ISO 40				176,00
015 45 000		ISO 45	ISO 45	ISO 45				321,00
015 50 000		ISO 50	ISO 50	ISO 50				210,00

Code	Photo	DIN 2080	DIN 69871	MAS 403 BT	HSK	PSC* CAPTO	KM	€
015 00 025					25 E			308,00
015 00 032					32 A-C-E	32	32	308,00
015 00 040					40 A-B-C-D-E	40	40	308,00
015 00 050					50 A-B-C-D-E-F	50	50	273,00
015 00 063					63 A-B-C-D-E-F	63	63	273,00
015 00 080					80 A-B-C-D	80	80	350,00
015 00 100					100 A-B-C-D	100	100	420,00

Code	Photo	RICAMBI PER: SPARE PART						€
MAN 00 001		DIN 2080	DIN 69871	MAS 403 BT	HSK	PSC* CAPTO	KM	28,00
POM 00 001								14,00
VIT 00 001					42,00			
015 00 011					14,00			
015 00 011					14,00			
015 00 012					22,00			
015 00 013					14,00			

Code	Photo	DIN 2080	DIN 69871	MAS 403 BT	HSK	PSC* CAPTO	KM	€
016 00 030		ISO 30	ISO 30		HSK 50	C 5	KM 50	200,00
016 00 031				ISO 30				200,00
016 00 040		ISO 40	ISO 40	ISO 40	HSK 63	C 6	KM 63	200,00
016 00 050		ISO 50	ISO 50					393,00
016 00 051				ISO 50	HSK 100			393,00

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