

eddyliner®P, P2 / P3 / P4 / P16 – eddynamic® – eddysort®

Encircling Coils

Probes

Flat Coils

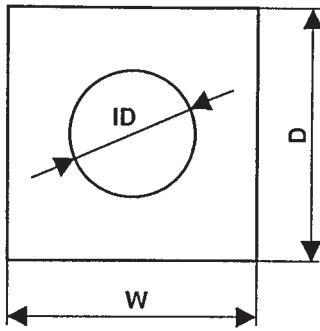


Structure Testing with ibg:
Maximum Test Reliability and Temperature Stability

- Wide range of standard accessories
- Suitable for all ibg structure testing instruments
- Coils and probes made to specification



Standard encircling coils:



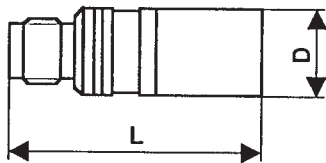
Size	Dimensions W [mm] x D [mm] x H [mm]	Inner diameter ID [mm]
1	80 x 80 x 35	10, 16, 25, 40
2	150 x 150 x 50	50, 63, 80, 100, 125
3	250 x 250 x 50	160, 200
4	380 x 380 x 50	250, 300

(Different inner diameters ID can be made to specification)



Frequency ranges: 25 Hz – 25 kHz (standard)
5 Hz – 5 kHz
100 Hz – 100 kHz

Standard Probes:



Diameter D [mm]	Length L [mm]	Frequency range
10	46	2,5 kHz – 250 kHz
16	47	250 Hz – 25 kHz
25	51	25 Hz – 2,5 kHz

Application References:

Operative range	Frequency range	Probe	Encircling coil	Encircling coil shielded	Rectangular coil	Flat coil
Material mix						
ferritic	25 Hz – 100 kHz	+	++	+	++	+
austenitic	100 Hz – 100 kHz	++	+	o	+	++
Ni-metals	100 Hz – 100 kHz	++	+	o	+	++
Hard metals	50 Hz – 100 kHz	++	++	+	++	++
Heat treatment						
Tempering	25 Hz – 25 kHz	+	++	++	++	+
Surface hardness	100 Hz – 25 kHz	++	++	++	++	++
Case depth (of shafts)	5 Hz – 400 Hz	-	++	+	++	-
Case depth	5 Hz – 4 kHz	-	o	o	o	-
Carburization	5 Hz – 25 kHz	+	++	+	++	+
Skin decarburization	10 kHz – 100 kHz	++	+	+	+	++
Cast iron						
Nodular cast iron	5 Hz – 5 kHz	+	++	+	++	+
Ledeburite	25 Hz – 25 kHz	++	+	+	+	++
Surfaces						
Grinding abuse	5 kHz – 100 kHz	++	o	o	o	++

++ excellent suitability / + good suitability / o possible / - not possible

Special coils and probes optimally adapted to the respective application can be developed to solve special problems. We would be pleased to inform you about the versatile technical possibilities.

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