

Phased Array Probes
for manual and mechanized testing

KARL DEUTSCH

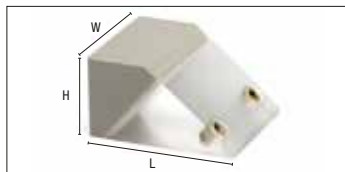
Phased Array Probes



Probe 1489.212

Probes for manual testing with wedge

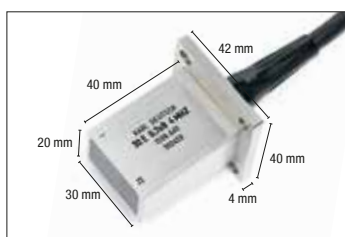
Probes						
Order No.	Element Number	Element Pitch	Element Length	Frequency	Bandwidth	Cable Length
1498.211	16	0.90 mm	10 mm	2 MHz	75 %	4 m
1489.212	16	0.75 mm	10 mm	5 MHz	90 %	4 m
1498.234	32	0.60 mm	8 mm	5 MHz	90 %	4 m



Wedge 1898.081

Wedges			
Order No.	Angle of Incidence* *shear wave in steel	Thread Holes	Dimensions L x W x H
1898.081	50°	M3, distance 22 mm	38 x 30 x 20 mm
1898.091	55°	M3, distance 22 mm	53 x 30 x 27 mm

For testing on curved surfaces, the wedges can be furnished with a customized concave or convex bottom profile.



Probe 1598.649

Probes for mechanized testing by immersion and squirter technique

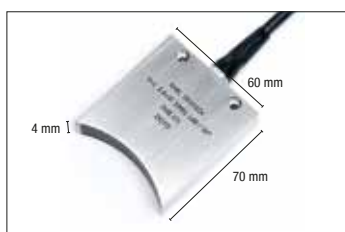
Probes						
Order No.	Element Number	Element Pitch	Element Length	Frequency	Bandwidth	Cable Length
1598.666	16	1.40 mm	8 mm	2 MHz	75 %	4 m
1598.649	32	0.70 mm	8 mm	4 MHz	80 %	4 m



Squirter nozzle



Squirter nozzle with customized radius
e.g. for the mechanized inspection of longitudinal tube welds



Probe 1598.679

Probes for mechanized testing of round bars

Probe								
Order No.	Element Number	Element Pitch	Element Length	Frequency	Bandwidth	Cable Length	Radius	Ring Segment
1598.679	64	0.90 mm	12 mm	5 MHz	75 %	5 m	60 mm	55°

The probes comply with the standards ASTM E2491-08 and prEN13392-2:2012.
Further probes, wedges and squirter nozzles on request.

KARL DEUTSCH Pruef- und Messgeraetebau GmbH + Co KG
Otto-Hausmann-Ring 101 · 42115 Wuppertal · Germany
Phone (+49-202) 7192-0 · Fax (+49-202) 71 49 32
info@karldeutsch.de · www.karldeutsch.de

DIN EN ISO
9001
certified

KARL DEUTSCH