

TOFD Probe

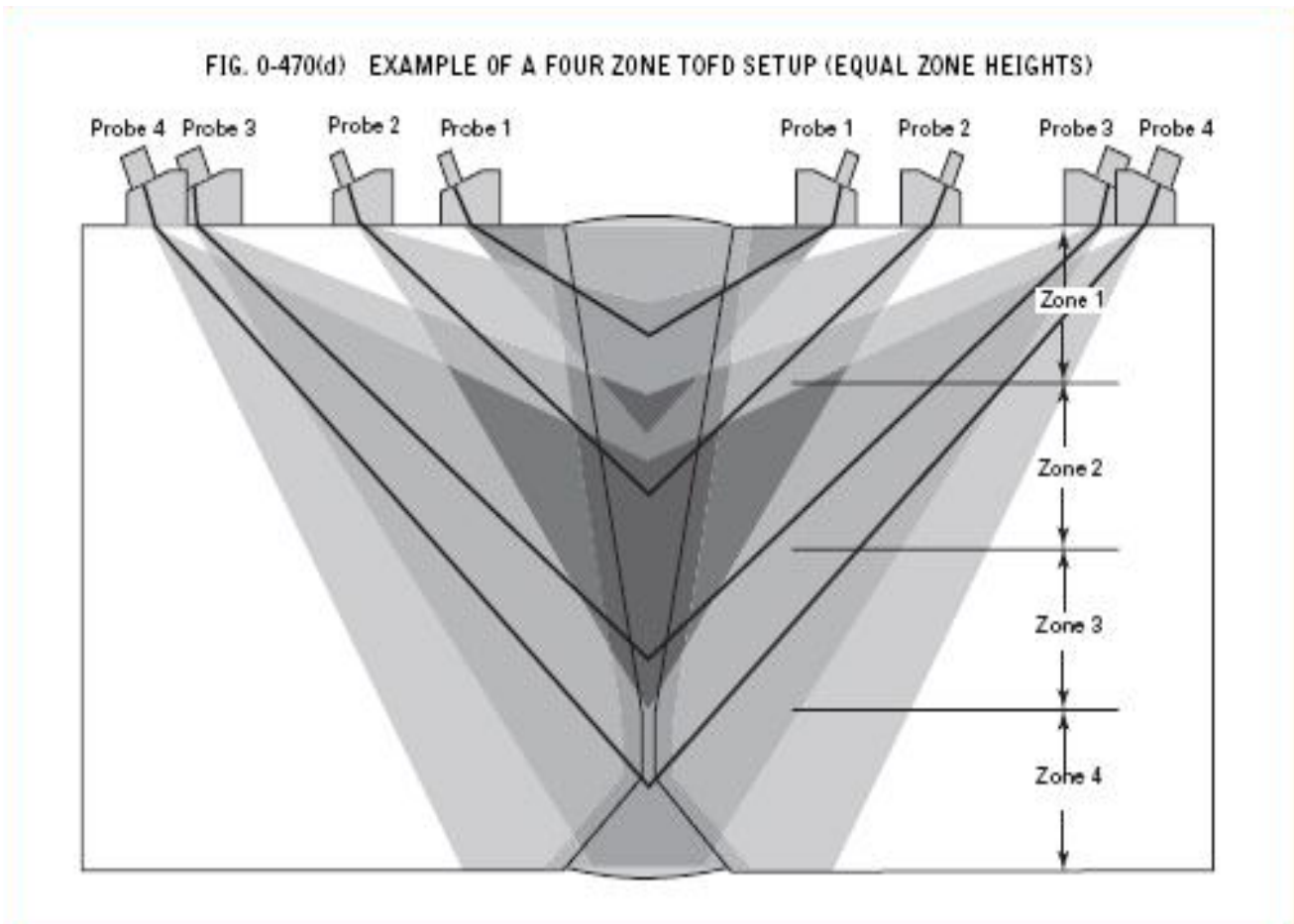
개 요

송신기 프로브(Tx)와 수신기(Rx)를 별도로 사용하여 검사물의 한 면에서 초음파 신호를 송신하고 수신 probe에서 신호를 받아 검사를 수행하는 TOFD 및 펄스-에코 검사 방법에서 사용되는 전용 probe 이다.



종 류

- De-mountable Piezocomposite TOFD Transducers
- DTOF & CDTOF Transducers
- High Temperature TOFD Wedges
- Reference block



1) TOFD Probe 사양

TOFD TRANSDUCERS & WEDGES

De-mountable Piezocomposite TOFD Transducers- only for use with WTOF Wedges

TOFD 검사 - 후판 용접부 (특히 용접부에 대한 RT 검사 대체용으로 적용)

High damped transducers in a threaded housing for use with WTOF wedges

Part Number	Frequency MHz	Crystal Diameter	Case Size
CDTOF 2/04	2	12mm	M20
CDTOF 5/01	5	3.1mm	M12
CDTOF 5/02	5	6.3mm	M12
CDTOF 5/04	5	12mm	M20
CDTOF7.5/01	7.5	3.1mm)	M12
CDTOF 7.5/02	7.5	6.3mm	M12
CDTOF 10/01	10	3.1mm	M12
CDTOF 10/02	10	6.3mm	M12
CDTOF 15/01	15	3.1mm	M12

* Probes fitted with 00 Lemo coaxial sockets

De-mountable Stainless steel Irrigated TOFDW edges

- only for use with DTOF & CDTOF Transducers

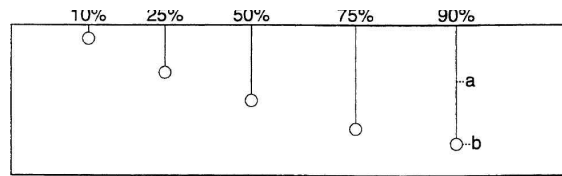
Part number	Compression Beam Angle	Thread Size	
WTOFSSI 12/45	45°	M12	
WTOFSSI 12/60	60°	M12	
WTOFSSI 12/70	70°	M12	
WTOFSSI 20/45	45°	M20	
WTOFSSI 20/60	60°	M20	
WTOFSSI 20/70	70°	M20	
WTOFSSI 30/45	45°	M30	
WTOFSSI 30/60	60°	M30	
WTOFSSI 30/70	70°	M30	

M30 thread Wedges are 40mm wide, all others 30mm wide

High Temperature TOFD Wedges - only for use with DTOF & CDTOF Transducers

Part number	Compression Beam Angle	Thread Size	
WTOFSSI HT 12/45	45°	M12	
WTOFSSI HT 12/60	60°	M12	
WTOFSSI HT 12/70	70°	M12	
WTOFSSI HT 20/45	45°	M20	
WTOFSSI HT 20/60	60°	M20	
WTOFSSI HT 20/70	70°	M20	

2) Reference block 사양



egend
Sawcut
Side drilled hole

Figure A.1— Sketch of a reference block, using side drilled holes, connected to the scanning surface by means of a scan cut, as reference reflectors

