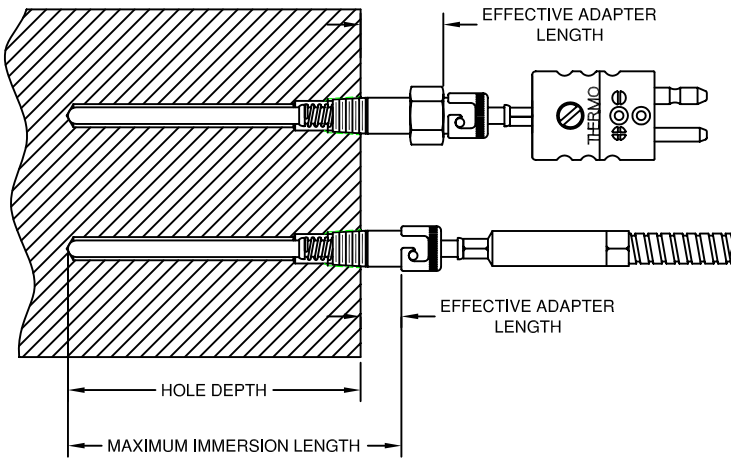


SURFACE MOUNT THERMOCOUPLES & RTD'S

HOW TO DETERMINE THE REQUIRED ADAPTER LENGTH AND THERMOCOUPLE IMMERSION RANGE LENGTH TO FIT HOLE DEPTH

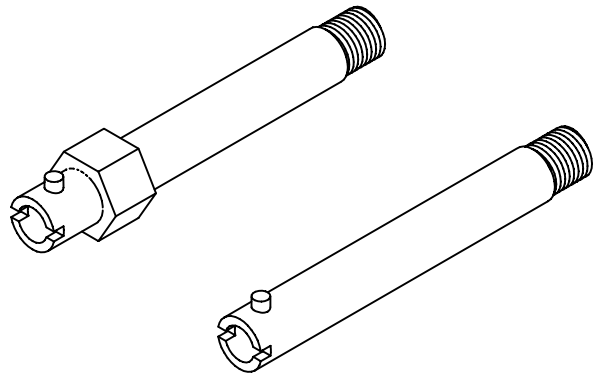
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| <p>INSTRUCTIONS</p> <p>(1) Choose thread size from Column 1 below.</p> <p>(2) Select head type from column 2.</p> <p>(3) Add hole depth to adapter with shortest suitable effective length. See column 3 and illustration below. Result is total immersion length.</p> <p>(4) Specify adapter by Ordering Code in column 5.</p> <p>(5) Locate in chart at lower right a thermocouple with an immersion range to accommodate the total immersion length determined in step 3 of the example above.</p> | <p>EXAMPLE</p> <p>(1) 1/8"NPT</p> <p>(2) Screw driver slot</p> <p>(3) Hole depth 5", effective length 5/32". Total immersion length 5 5/32"</p> <p>(4) AD1500-1</p> <p>(5) Order thermocouple with immersion range of 5" to 5 5/8"</p> |
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OVERALL ADAPTER LENGTH SHOWN IN COLUMN 4 CAN BE USED TO IDENTIFY ADAPTERS WHEN REORDERING.

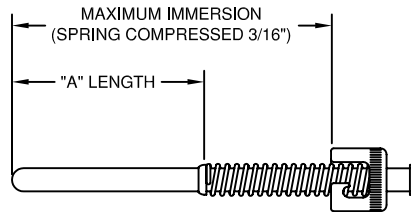


HOW TO ORDER ONE THERMOCOUPLE FOR A VARIETY OF HOLES OF DIFFERENT DEPTHS BY USING DIFFERENT SIZE ADAPTERS

- | | |
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| <p>INSTRUCTIONS</p> <p>(1) Choose thread size from Column 1 below.</p> <p>(2) Select head type from column 2.</p> <p>(3) Add dimension of deepest hole to adapter with shortest suitable effective length. See column 3 and illustration at left. Result is total immersion length.</p> <p>(4) Select next longest hole depth and add an adapter with an effective length giving closest total immersion length to that in (3) above. Continue in this manner for each hole depth.</p> <p>(5) Specify adapters by Ordering Code listed in Column 5.</p> <p>(6) Locate in chart below a thermocouple with an immersion range to accommodate all immersion lengths and order accordingly.</p> | <p>EXAMPLE</p> <p>(1) 1/8"NPT</p> <p>(2) Screw driver slot</p> <p>(3) Assume there are three hole depths of 3 1/4", 4 1/32" and 5". Calculating for the 5" hole select the 5/32" adapter. Total immersion length = 5 5/32".</p> <p>(4) 4 1/32" hole + 1 17/32" adapter = 5 9/16" total immersion length.
3 1/4" hole + 2 1/32" adapter = 5 9/32" total immersion length.</p> <p>(5) AD1500-1
AD4011-3
AD4011-4</p> <p>(6) Order thermocouple with immersion range of 5" to 5 5/8"</p> |
|--|--|



THREAD SIZE	ADAPTER TYPE	EFFECTIVE LENGTH	ACTUAL LENGTH	ORDERING CODE
COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
1/8"NPT	SCREW DRIVER SLOT	5/32	7/8	AD1500-1
		17/32	1 1/4	AD4011-1
		1 1/32	1 3/4	AD4011-2
		1 17/32	2 1/4	AD4011-3
		2 1/32	2 3/4	AD4011-4
		2 17/32	3 1/4	AD4011-5
	HEX NUT	3 1/32	3 3/4	AD4011-6
		17/32	1 1/4	AD1855-1
		1 1/32	1 3/4	AD1855-2
		1 17/32	2 1/4	AD1855-3
		2 1/32	2 3/4	AD1855-4
		2 17/32	3 1/4	AD1855-5
3/8 - 24	SCREW DRIVER SLOT	0	7/8	AD1500-2
		3/8	1 1/4	AD2375-1
		7/8	1 3/4	AD2375-2
		1 3/8	2 1/4	AD2375-3
		1 7/8	2 3/4	AD2375-4
		2 3/8	3 1/4	AD2375-5
	HEX NUT	2 7/8	3 3/4	AD2375-6
		3/8	1 1/4	AD4010-1
		7/8	1 3/4	AD4010-2
		1 3/8	2 1/4	AD4010-3
		1 7/8	2 3/4	AD4010-4
		2 3/8	3 1/4	AD4010-5
2 7/8	3 3/4	AD4010-6		



TO REORDER BAYONET THERMOCOUPLES ADD 1" TO "A" LENGTH TO DETERMINE MAXIMUM IMMERSION LENGTH

IMMERSION RANGE	
MINIMUM	MAXIMUM
3/4	1 3/8
1 1/8	1 3/4
1 1/2	2 1/8
2	2 5/8
2 1/2	3 1/8
3	3 5/8
3 1/2	4 1/8
4	4 5/8
4 1/2	5 1/8
5	5 5/8
5 1/2	6 1/8
6	6 5/8
6 1/2	7 1/8
7	7 5/8
7 1/2	8 1/8
8	8 5/8

Notes:

- (1) All adapters are stainless steel, other materials available on request.
- (2) Special adapters available if the need for a longer effective length.
Specify in 1/2" increments.
Example AD1855-EL-6 3/4



SECTION SUTR

THREADED BAYONET THERMOCOUPLE & RTD ADAPTERS