

Conduit Fitting: Reducer and Adaptor (Enlarger), DRH and DAT Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

Reducer and Adaptor are provided a means of attachment between dissimilar thread types or thread sizes.

Specification

Body : Brass
 Entry thread seal : Aramid fiber
 (For metric threads only)

Option

Brass : Nickel-plated is available upon request

Ordering

add option (-□) to Cat. No. (Brass only)
 e.g. DAT-M13-NI (Nickel-plated brass)

Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	II 2G	II 2D
Symbol of Protection	Ex d IIC Gb	Ex tb IIC Db IP66
Certificate	LCIE 13 ATEX 3046 U IECEX LCIE 13.0028U	
Conformity to Standards	EN 60079-0:2012, EN 60079-1:2007, EN 60079-31:2009 IEC 60079-0:2011, IEC 60079-1:2007-04, IEC 60079-31:2008	
Ambient Temperature	-20°C to +75°C	
Index of Protection	IP66	



Selection Chart for Reducer and Adaptor (Enlarger)

		Female Threads																					
		M16 x 1.5	M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5	M75 x 1.5	M90 x 2.0	M100 x 2.0	NPT 1/2"	NPT 3/4"	NPT 1"	NPT 1-1/4"	NPT 1-1/2"	NPT 2"	NPT 2-1/2"	NPT 3"	NPT 3-1/2"	NPT 4"		
Male Threads	M16 x 1.5		A	A	A							A	A	A									
	M20 x 1.5	R		A	A	A						A	A	A									
	M25 x 1.5	R	R		A	A	A					R	A	A	A								
	M32 x 1.5	R	R	R		A	A	A				R	R	A	A	A							
	M40 x 1.5		R	R	R		A	A	A			R	R	R	A	A	A						
	M50 x 1.5			R	R	R		A	A	A			R	R	R	A	A	A					
	M63 x 1.5				R	R	R		A	A	A			R	R	R	A	A	A				
	M75 x 1.5					R	R	R		A	A				R	R	R	A	A	A			
	M90 x 2.0						R	R	R		A					R	R	R	A	A	A		
	M100 x 2.0							R	R	R		A					R	R	R	A	A		
NPT 1/2"	R	A	A									A	A	A									
NPT 3/4"	R	R	A	A	A							R		A	A	A							
NPT 1"	R	R	R	A	A	A						R	R		A	A	A						
NPT 1-1/4"		R	R	R	A	A	A					R	R	R		A	A	A					
NPT 1-1/2"			R	R	R	A	A	A				R	R	R		A	A	A					
NPT 2"				R	R	R	A	A	A				R	R	R		A	A	A				
NPT 2-1/2"					R	R	R	A	A	A				R	R	R		A	A	A			
NPT 3"						R	R	R	A	A					R	R	R		A	A			
NPT 3-1/2"							R	R	R	A						R	R	R		A			
NPT 4"								R	R	R							R	R	R		A		

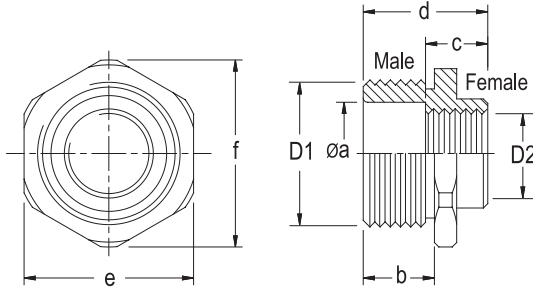
R Reducer, DRH series

A Adaptor (Enlarger), DAT series





Ordering Requirements and Dimension



NPT threads

Cat. No.	Entries Thread		Dimension in mm.					
	D1 (Male)	D2 (Female)	a	b	c	d	e	f
DRH-N21	3/4" NPT	1/2" NPT	18.4	20.15	15.0	32.15	31.0	30.0
DRH-N31	1" NPT	3/4" NPT	24.0	25.01	15.0	37.01	38.1	42.0
DRH-N32		1" NPT	17.0	39.92	44.4	49.0		
DRH-N41	1-1/4" NPT	3/4" NPT	31.0	25.61	15.0	39.92	44.4	49.0
DRH-N42		1" NPT	17.0	40.04	57.1	63.0		
DRH-N43	1-1/2" NPT	3/4" NPT	37.0	26.04	15.0	40.04	57.1	63.0
DRH-N52		1" NPT	17.5	40.87	70.0	77.0		
DRH-N53	1-1/2" NPT	3/4" NPT	37.0	26.04	15.0	40.04	57.1	63.0
DRH-N54		1-1/4" NPT	17.5	40.87	70.0	77.0		
DRH-N63	2" NPT	1" NPT	49.0	26.87	17.0	40.87	70.0	77.0
DRH-N64		1-1/4" NPT	17.5	40.87	70.0	77.0		
DRH-N65	2" NPT	1-1/2" NPT	49.0	26.87	17.5	40.87	70.0	77.0
DRH-N74		1-1/4" NPT	17.5	40.87	70.0	77.0		
DRH-N75	2-1/2" NPT	1-1/2" NPT	60.0	39.91	17.5	56.91	76.2	84.0
DRH-N76		2" NPT	18.0	56.91	76.2	84.0		
DRH-N85	3" NPT	1-1/2" NPT	74.0	41.49	17.5	61.49	101.0	112.0
DRH-N86		2" NPT	24.0	61.49	101.0	112.0		
DRH-N87	3" NPT	2-1/2" NPT	74.0	41.49	24.0	61.49	101.0	112.0
DRH-N96		2" NPT	18.0	62.76	114.0	126.0		
DRH-N97	3-1/2" NPT	2-1/2" NPT	86.0	42.76	24.0	68.76	114.0	126.0
DRH-N98		3" NPT	26.0	70.76	114.0	126.0		
DRH-N107	4" NPT	2-1/2" NPT	96.0	70.04	24.0	70.04	120.0	134.0
DRH-N108		3" NPT	72.04	26.0	70.04	120.0	134.0	
DRH-N109	4" NPT	3-1/2" NPT	96.0	72.04	27.5	72.04	120.0	134.0
		2" NPT	18.0	62.76	114.0	126.0		

Metric/NPT threads

Cat. No.	Entries Thread		Dimension in mm.					
	D1 (Male)	D2 (Female)	a	b	c	d	e	f
DRH-MN21	M25x1.5	1/2" NPT	17.0	15.0	15.0	27.0	27.0	30.0
DRH-MN31	M32x1.5	3/4" NPT	24.0	15.0	15.0	27.0	38.1	42.0
DRH-MN32		1" NPT	15.0	29.0	57.1	63.0		
DRH-MN41	M40x1.5	1/2" NPT	32.0	15.0	15.0	29.0	44.4	49.0
DRH-MN42		3/4" NPT	15.0	29.0	57.1	63.0		
DRH-MN43	M50x1.5	1" NPT	42.0	15.0	15.0	29.0	57.1	63.0
DRH-MN52		3/4" NPT	15.0	29.0	57.1	63.0		
DRH-MN53	M50x1.5	1" NPT	42.0	15.0	17.0	29.0	57.1	63.0
DRH-MN54		1-1/4" NPT	17.5	29.0	57.1	63.0		
DRH-MN63	M63x1.5	1" NPT	55.0	15.0	17.0	29.0	70.0	77.0
DRH-MN64		1-1/4" NPT	17.5	29.0	57.1	63.0		
DRH-MN65	M63x1.5	1-1/2" NPT	55.0	15.0	17.5	29.0	70.0	77.0
DRH-MN74		1-1/4" NPT	17.5	29.0	57.1	63.0		
DRH-MN75	M75x1.5	1-1/2" NPT	67.0	15.0	17.5	32.0	76.2	84.0
DRH-MN76		2" NPT	18.0	32.0	76.2	84.0		
DRH-MN85	M90x2.0	1-1/2" NPT	78.0	20.0	17.5	40.0	101.0	112.0
DRH-MN86		2" NPT	18.0	40.0	101.0	112.0		
DRH-MN87	M90x2.0	2-1/2" NPT	78.0	20.0	24.0	46.0	101.0	112.0
DRH-MN96		2" NPT	18.0	46.0	101.0	112.0		
DRH-MN97	M100x2.0	2-1/2" NPT	88.0	20.0	24.0	46.0	114.0	126.0
DRH-MN98		3" NPT	26.0	48.0	114.0	126.0		

Metric threads

Cat. No.	Entries Thread		Dimension in mm.					
	D1 (Male)	D2 (Female)	a	b	c	d	e	f
DRH-M10	M20x1.5	M16x1.5	14.0	15.0	15.0	27.0	22.0	24.5
DRH-M20	M25x1.5	M16x1.5	17.0	15.0	15.0	27.0	27.0	30.0
DRH-M21		M20x1.5	15.0	15.0	27.0	38.1	42.0	
DRH-M30	M32x1.5	M16x1.5	24.0	15.0	15.0	27.0	38.1	42.0
DRH-M31		M20x1.5	15.0	15.0	27.0	38.1	42.0	
DRH-M32	M40x1.5	M25x1.5	32.0	15.0	15.0	29.0	44.4	49.0
DRH-M41		M20x1.5	15.0	15.0	29.0	44.4	49.0	
DRH-M42	M50x1.5	M25x1.5	42.0	15.0	15.0	29.0	57.1	63.0
DRH-M52		M25x1.5	15.0	15.0	29.0	57.1	63.0	
DRH-M53	M50x1.5	M32x1.5	42.0	15.0	15.0	29.0	57.1	63.0
DRH-M54		M40x1.5	15.0	15.0	29.0	57.1	63.0	
DRH-M63	M63x1.5	M32x1.5	55.0	15.0	15.0	29.0	70.0	77.0
DRH-M64		M40x1.5	15.0	15.0	29.0	70.0	77.0	
DRH-M65	M75x1.5	M50x1.5	67.0	15.0	15.0	32.0	76.2	84.0
DRH-M74		M40x1.5	15.0	15.0	32.0	76.2	84.0	
DRH-M75	M75x1.5	M50x1.5	67.0	15.0	15.0	32.0	76.2	84.0
DRH-M76		M63x1.5	15.0	15.0	32.0	76.2	84.0	
DRH-M85	M90x2.0	M50x1.5	78.0	20.0	15.0	40.0	101.0	112.0
DRH-M86		M63x1.5	15.0	15.0	40.0	101.0	112.0	
DRH-M87	M100x2.0	M75x1.5	88.0	20.0	15.0	40.0	114.0	126.0
DRH-M96		M63x1.5	15.0	15.0	40.0	114.0	126.0	
DRH-M97	M100x2.0	M75x1.5	88.0	20.0	15.0	40.0	114.0	126.0
DRH-M98		M90x2.0	20.0	42.0	114.0	126.0		

NPT/Metric threads

Cat. No.	Entries Thread		Dimension in mm.					
	D1 (Male)	D2 (Female)	a	b	c	d	e	f
DRH-NM10	1/2" NPT	M16x1.5	14.0	19.85	15.0	31.85	24.0	26.5
DRH-NM20	3/4" NPT	M16x1.5	18.0	20.15	15.0	32.15	31.0	34.0
DRH-NM21		M20x1.5	15.0	32.15	31.0	34.0		
DRH-NM30	1" NPT	M16x1.5	24.0	25.0	15.0	37.0	38.1	42.0
DRH-NM31		M20x1.5	15.0	37.0	38.1	42.0		
DRH-NM32	1-1/4" NPT	M25x1.5	31.0	25.61	15.0	39.61	44.4	49.0
DRH-NM41		M20x1.5	15.0	39.61	44.4	49.0		
DRH-NM42	1-1/4" NPT	M25x1.5	31.0	25.61	15.0	39.61	44.4	49.0
DRH-NM43		M32x1.5	15.0	39.61	44.4	49.0		
DRH-NM52	1-1/2" NPT	M25x1.5	37.0	26.04	15.0	40.04	57.1	63.0
DRH-NM53		M32x1.5	15.0	40.04	57.1	63.0		
DRH-NM54	M50x1.5	M40x1.5	49.0	26.87	15.0	40.87	70.0	77.0
DRH-NM63		M32x1.5	15.0	40.87	70.0	77.0		
DRH-NM64	2" NPT	M40x1.5	49.0	26.87	15.0	40.87	70.0	77.0
DRH-NM74		M40x1.5	15.0	40.87	70.0	77.0		
DRH-NM75	2-1/2" NPT	M50x1.5	60.0	39.9	15.0	56.9	76.2	84.0
DRH-NM76		M63x1.5	15.0	56.9	76.2	84.0		
DRH-NM85	3" NPT	M50x1.5	74.0	41.49	15.0	61.49	101.0	112.0
DRH-NM86		M63x1.5	15.0	61.49	101.0	112.0		
DRH-NM87	M90x2.0	M75x1.5	88.0	42.76	15.0	62.76	114.0	126.0
DRH-NM96		M63x1.5	15.0	62.76	114.0	126.0		
DRH-NM97	3-1/2" NPT	M75x1.5	88.0	42.76	15.0	62.76	114.0	126.0
DRH-NM98		M90x2.0	20.0	64.76	114.0	126.0		
DRH-NM107	4" NPT	M75x1.5	96.0	44.03	15.0	64.03	120.0	134.0
DRH-NM108		M90x2.0	20.0	66.03	120.0	134.0		
DRH-NM109	4" NPT	M100x2.0	96.0	44.03	20.0	66.03	120.0	134.0
		M100x2.0	20.0	66.03	120.0	134.0		