

The Relationship between Interchangeable Heads and Torque Wrenches

Tohnichi's interchangeable head wrenches have specific diameter round ends that fit into corresponding head base openings. Head and wrench model names include the diameter sizes so heads can be matched to wrenches that will accept those heads.

For example: SH15D×17 will fit on CL100N×15D

A variety of different head types (SH, RH, QH, RQH, FH, DH, AH and SH-N) can be used on one wrench or different types of wrenches such as CL (for tightening) and CEM3-G (for inspection) can use the same head that has the corresponding diameter size.



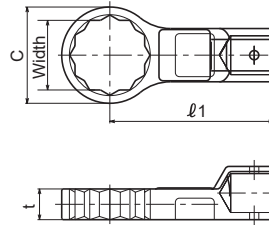
RH

Ring Head

RoHS

The RH type ring heads guarantee the safe work as the axes of bolt and RH ring head are always aligned and prevent the heads will drop.

Note: RH8D×5.5 to RH8D×7 are single hex shape.



RH15D×17

Tohnichi Head Size	Model (Body Size × Width)	Allowable Torque		Outside Width C [mm]	Thickness t [mm]
		[N·m]	[kgf·cm]		
8D	RH8D×5.5	1.5	15	10.5	5
	RH8D×6	2.4	24	11	
	RH8D×7	3.6	36	12	6
	RH8D×8	7.2	72	13.5	
	RH8D×10	12.2	122	15.5	
	RH8D×11			17	7
10D	RH10D×12	15	140	18	
	RH10D×13			19	
	RH10D×8	7.2	72	12.5	6
	RH10D×10	12.2	122	15.5	7
	RH10D×11	20	200	17	
	RH10D×12			18	
12D	RH12D×13			19	
	RH12D×14			20	
	RH12D×16			22	
	RH12D×17	25	250	24	8
	RH12D×18			25	
	RH12D×19			26	
15D	RH15D×21			28	
	RH15D×22			29	
	RH12D×8	7.2	72	15	5
	RH12D×10	12.2	122	16	
	RH12D×11	20	200	18	5.5
	RH12D×12	29.5	295	20	6.5
12D	RH12D×13			21	
	RH12D×14			20	
	RH12D×16	59	590	24	10
	RH12D×17			25	
	RH12D×18			26	12
	RH12D×19	70	700		
15D	RH15D×21			29	
	RH15D×22			30	13
	RH15D×12	29.5	295	19	7
	RH15D×13			22	
	RH15D×14	59	590	25	8
	RH15D×16	100	1000	26	10
15D	RH15D×17			28	
	RH15D×18			31	
	RH15D×19			34	13
	RH15D×20	140	1400	37	
	RH15D×21			41	
	RH15D×22				

Tohnichi Head Size	Model (Body Size × Width)	Allowable Torque		Outside Width C [mm]	Thickness t [mm]
		[N·m]	[kgf·cm]		
19D	RH19D×14	59	590	22.5	8
	RH19D×17			27	10
	RH19D×18	100	1000	28	11
	RH19D×19			29	
	RH19D×21	166	1660	32	13
	RH19D×22			35	
19D	RH19D×24			39	
	RH19D×27			41	
	RH19D×30	200	2000	44	15
	RH19D×32			47	
	RH19D×34			49	
	RH19D×41			55	
22D	RH22D×19	166	1660	30	14
	RH22D×22	255	2550	34	
	RH22D×24			37	15
	RH22D×27	490	4900	41	
	RH22D×30			44	
	RH22D×32			45	
22D	RH22D×34	500	5000	49	17
	RH22D×36			51	
	RH22D×41			57	
	RH22D×46			62	
	RH27D×22	255	2550	38	14
	RH27D×24	350	3500	42	15
27D	RH27D×27	490	4900	46	16
	RH27D×30	670	6700	48	19
	RH27D×32	750	7500	51	20
	RH27D×34			52	21
	RH27D×36			58	22
	RH27D×41	750	7500	64	24
32D	RH32D×27	490	4900	69	26
	RH32D×30	670	6700	43	16
	RH32D×32	860	8600	46.5	18
	RH32D×34			49	
	RH32D×36			52	
	RH32D×41			53	
32D	RH32D×46	1200	12000	59	24
	RH32D×50			65	
	RH32D×55			69	27
	RH32D×60			75	29
	RH32D×60			80	
	RH32D×60				

Inch Size Models

Commonly used in the airline industry and for specific American product installation and maintenance.

Tohnichi Head Size	Model (Body Size × Inner Width [in])	Inner Width [mm]	Allowable Torque		Outside Width C [mm]	Thickness t [mm]
			N·m [lbf·in]	mm [in]		
8D	RH8D×1/4	6.35	3.6 [31]	11 [0.43]	5 [0.20]	
	RH8D×5/16	7.94	7.2 [63]	13.5 [0.53]	6 [0.24]	
	RH8D×3/8	9.53	12.2 [108]	15 [0.59]	7 [0.28]	
	RH8D×7/16	11.11	15 [132]	17 [0.67]		
10D	RH10D×1/4	6.35		11 [0.43]		
	RH10D×5/16	7.94	7.2 [64]	12.5 [0.49]	6 [0.24]	
	RH10D×3/8	9.53	12.2 [108]	15.5 [0.61]	7 [0.28]	
	RH10D×7/16	11.11		17 [0.67]		
12D	RH12D×1/2	12.7	25 [221]	19 [0.75]	8 [0.31]	
	RH12D×9/16	14.29		20 [0.79]		
	RH12D×3/8	9.53	12.2 [108]	16 [0.63]	5 [0.20]	
	RH12D×7/16	11.11	20 [177]	18 [0.71]	5.5 [0.22]	
15D	RH15D×1/2	12.7	29.5 [261]	21 [0.83]	6.5 [0.26]	
	RH15D×9/16	14.29		20 [0.79]		
	RH15D×5/8	15.88	59 [522]	24 [0.94]	10 [0.39]	
	RH15D×3/4	19.05		28 [1.10]		

Tohnichi Head Size	Model (Body Size × Inner Width [in])	Inner Width [mm]	Allowable Torque		Outside Width C [mm]	Thickness t [mm]
			N·m [lbf·in]	mm [in]		
15D	RH15D×1/2	12.7	29.5 [261]	19 [0.81]	7 [0.28]	
	RH15D×9/16	14.29		22 [0.87]		
	RH15D×5/8	15.88	59 [522]	25 [0.98]	8 [0.31]	
	RH15D×11/16	17.46	100 [885]	26 [1.06]	10 [0.39]	
15D	RH15D×3/4	19.05	140 [1239]	28 [1.10]	13 [0.51]	
	RH15D×1/2	12.7	29.5 [261]	19 [0.81]	7 [0.28]	
	RH15D×9/16	14.29		22 [0.87]		
	RH15D×5/8	15.88	59 [522]	25 [0.98]	8 [0.31]	

