

Screws / Bolts

Drawing	Part Number	Dimension (in)						Angle (°)		Torque (N • m)	Notes
		A	B	C	D	E	F	α	θ		
	HH 3/8-1.25H	3/8-24 UNF	1.250	0.550	0.375	0.312					With Coolant Hole
	1/2-1.25H	1/2-20 UNF		0.750	0.500	0.375					
	3/4-2.3H	3/4-16 UNF	1.500	1.120	0.750	0.625					
	HH 1/4-0.75	1/4-28 UNF	0.750	0.375	0.250	0.188					
	3/8-1.25	3/8-24 UNF	1.250	0.550	0.375	0.312					
	3/8-1.5	3/8-24 UNF	1.500								
	1/2-1.25	1/2-20 UNF	1.250	0.750	0.500	0.375					
	3/4-2.3	3/4-16 UNF	1.500	1.120	0.750	0.625					

Drawing	Part Number	Dimension (mm)						Angle (°)		Torque (N • m)	Notes
		A	B	C	D	E	F	α	θ		
	AJ -6X38	M6X1.0	38.0	6.0	10.0	3.0	3.0	-	-		
	-8X44-9.5	M8X1.25	44.0	9.5	6.0	4.0	4.0	-	-		
	-10X46	M10X1.5	46.0	11.5	8.0	5.0	5.0	-	-		
	BH 3X6	M3X0.5	6.0	-	1.7	2.0	-	-	-		
	3X12	M3X0.5	12.0	-	1.7	2.0	-	-	-		
	6X25	M6X1.0	25.0	-	3.3	4.0	-	-	-		
	8X30	M8X1.25	30.0	-	4.4	5.0	-	-	-		
	BH 6X10TR	M6X1.0	10.0	12.0	5.0	-	T25	-	-	6.5	
	CP 8X15TL	M8X1.25	15.0	15.0	-	-	T25	-	-	6.0	L Shows Left-hand Thread
8X23TL	23.0										
	CS -2D	M4X0.7	21.5	6.4	3.5	2.5	2.0	-	-	1.7	
	-3D	M5X0.8	22.0	8.0	4.0	3.0	2.5	-	-	3.9	
	-5D	M5X0.8	28.0	8.0	4.0	3.0	2.5	-	-	3.0	
	GS -50	M5X0.8	13.0	7.5	-	3.0	-	-	82°		
	-50S	M5X0.8	9.0	7.5	-	3.0	-	-	82°		
	GS -4090T%W	M4X0.7	9.0	5.8	-	2.0	2.0	-	82°	-	R Shows Right-hand Thread L Shows Left-hand Thread
	HF 16X40HA	M16X2.0	24.0	40.0	16.0	12.0	10.0	14.0			With Coolant Hole
20X53H	M20X2.5	35.0	43.0	18.0	14.0						
20X53HA		33.0	50.0	20.0							
24X60H	M24X3.0	40.5	65.0	19.5	17.0						
24X60HA		36.0		24.0							
	HH 3X6	M3X0.5	6.0	5.5	3.0	2.5	-	-	-		
	3X12		12.0								
	HH 4X16	M4X0.7	16.0	7.0	4.0	3.0	-	-	-		
	HH 5X15	M5X0.8	15.0	8.5	5.0	4.0	-	-	-		
	5X16		16.0								
	5X20		20.0								
	5X25		25.0								
	5X30		30.0								
	HH 6X12		M6X1.0								
	6X16	16.0									
	6X16AA	16.0									
	6X18AA	18.0									
	6X20	20.0									
6X25	25.0										
6X30	30.0										

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SPARE PARTS