

LOCATION OF HOLES	PARTS (CODE)			BOLT DIMENSION					BOLT EXTENSION	NUT ROTATION	NUT ROTATION ARC LENGTH mm	TORQUE Kg·m N·m	MATERIAL IN STUD
	STUD	NUT	WASHER	SIZE	OVERALL LENGTH	EFFECTIVE LENGTH	HOLE DIA IN STUD	HOLE DEPTH IN STUD					
1~4	THRU STUD K1DWUN401534 H7 +BTYPE	K2CSTN40 H7	-	UN4	1534	1422	22	1476.5	1.920~2.133	(304° 47' ~ 338° 35')	(414.92 ~ 460.93)	-	1Cr-0.5Mo-V
5~10	THRU STUD K1DWUN401234 H7 +BTYPE	K2CSTN40 H7	-	UN4	1234	1122	22	1176.5	1.515~1.683	(240° 30' ~ 267° 9')	(327.41 ~ 363.68)	-	1Cr-0.5Mo-V
11~24	THRU STUD K1DWUN40X994 H7 +BTYPE	K2CSTN40 H7	-	UN4	994	882	22	936.5	1.191~1.323	(189° 4' ~ 210° 0')	(257.39 ~ 285.88)	-	1Cr-0.5Mo-V
25~26	THRU STUD K1DWUN401094 H7 +BTYPE	K2CSTN40 H7	-	UN4	1094	982	22	1036.5	1.326~1.473	(210° 30' ~ 233° 49')	(286.57 ~ 318.30)	-	1Cr-0.5Mo-V
27~30	THRU STUD K1DWUN501146 H7 +BTYPE	K2CSTN50 H7	-	UN5	1146	1008	22	1075.5	1.361~1.512	(216° 3' ~ 240° 0')	(365.77 ~ 406.31)	-	1Cr-0.5Mo-V
31~58	THRU STUD K1DWUN501146 RG +BTYPE	K2CSTN50 H7	-	UN5	1146	1008	22	1075.5	1.008~1.159	(160° 1' ~ 183° 58')	(270.91 ~ 311.44)	-	12Cr-Mo-W-V
59~62	THRU STUD K1DWUN501146 H7 +BTYPE	K2CSTN50 H7	-	UN5	1146	1008	22	1075.5	1.361~1.512	(216° 3' ~ 240° 0')	(365.77 ~ 406.31)	-	1Cr-0.5Mo-V
63~64	THRU STUD K1DWUN401094 H7 +BTYPE	K2CSTN40 H7	-	UN4	1094	982	22	1036.5	1.326~1.473	(210° 30' ~ 233° 49')	(286.57 ~ 318.30)	-	1Cr-0.5Mo-V
65~78	THRU STUD K1DWUN40X994 H7 +BTYPE	K2CSTN40 H7	-	UN4	994	882	22	936.5	1.191~1.323	(189° 4' ~ 210° 0')	(257.39 ~ 285.88)	-	1Cr-0.5Mo-V
79~84	THRU STUD K1DWUN401234 H7 +BTYPE	K2CSTN40 H7	-	UN4	1234	1122	22	1176.5	1.515~1.683	(240° 30' ~ 267° 9')	(327.41 ~ 363.68)	-	1Cr-0.5Mo-V
85~88	THRU STUD K1DWUN401534 H7 +BTYPE	K2CSTN40 H7	-	UN4	1534	1422	22	1476.5	1.920~2.133	(304° 47' ~ 338° 35')	(414.92 ~ 460.93)	-	1Cr-0.5Mo-V
89~106	TAP STUD K1SWUN24X411 H7 +BTYPE	K2CSTN24 H7	-	UN2 1/2	411	295	16	335.0	0.399~0.442	(61° 5' ~ 67° 39')	(52.24 ~ 57.85)	-	1Cr-0.5Mo-V
107~110	THRU STUD K1DWUN40X931 RG +BTYPE	K2CSTN40 H7 (UPPER) K2CSTN40BOLT H7 (LOWER)	-	UN4	931	819	22	873.5	1.106~1.228	(175° 34' ~ 194° 55')	(239.01 ~ 265.35)	-	12Cr-Mo-W-V
111~128	TAP STUD K1SWUN44X664 RS +BTYPE	K2CSTN44 PRG	-	UN4 1/2	664	501	22	563.0	0.677~0.751	(107° 29' ~ 119° 12')	(164.15 ~ 182.03)	-	10.7Cr-Mo-V-Nb-N
129~132	THRU STUD K1DWUN40X931 RG +BTYPE	K2CSTN40 H7 (UPPER) K2CSTN40BOLT H7 (LOWER)	-	UN4	931	819	22	873.5	1.106~1.228	(175° 34' ~ 194° 55')	(239.01 ~ 265.35)	-	12Cr-Mo-W-V
133~150	TAP STUD K1SWUN24X411 H7 +BTYPE	K2CSTN24 H7	-	UN2 1/2	411	295	16	335.0	0.399~0.442	(61° 5' ~ 67° 39')	(52.24 ~ 57.85)	-	1Cr-0.5Mo-V
151~152	HEX SOC BOLT K0SWTN16X129 H7	-	-	UNT1 3/4	174	102	-	-	-	(20° 21' ~ 22° 33')	(11.90 ~ 13.18)	299 ~ 331 2933 ~ 3246	1Cr-0.5Mo-V
153~154	HEX SOC BOLT K0SWTN16X599 H7	-	-	UNT1 3/4	644	572	-	-	-	(113° 57' ~ 126° 28')	(66.63 ~ 73.94)	299 ~ 331 2933 ~ 3246	1Cr-0.5Mo-V
155~156	HEX SOC BOLT K0SWTN16X494 H7	-	-	UNT1 3/4	539	467	-	-	-	(93° 1' ~ 103° 10')	(54.39 ~ 60.32)	299 ~ 331 2933 ~ 3246	1Cr-0.5Mo-V
157~158	HEX SOC BOLT K0SWTN16X484 H7	-	-	UNT1 3/4	529	457	-	-	-	(90° 57' ~ 100° 58')	(53.18 ~ 59.03)	299 ~ 331 2933 ~ 3246	1Cr-0.5Mo-V
159~160	HEX SOC BOLT K0SWTN16X589 H7	-	-	UNT1 3/4	634	562	-	-	-	(111° 53' ~ 124° 15')	(65.42 ~ 72.64)	299 ~ 331 2933 ~ 3246	1Cr-0.5Mo-V
161~162	HEX SOC BOLT K0SWTN16X129 H7	-	-	UNT1 3/4	174	102	-	-	-	(20° 21' ~ 22° 33')	(11.90 ~ 13.18)	299 ~ 331 2933 ~ 3246	1Cr-0.5Mo-V
201	TAP STUD K1SWUN20X296 H7	K2CPNT20 H7	K4CPUH20 H7	UN2	296	201	16	235.5	(0.161 ~ 0.241)	(24° 39' ~ 36° 53')	REFER NOTE 7 (17.00 ~ 25.42)	252 ~ 376 2472 ~ 3687	1Cr-0.5Mo-V

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