

SOUND HAN INDUSTRIAL CO., LTD

SAMPLES 4101, 4132, 3101, 3132, 2101, 2132

TEST TYPE TORQUE(BROKEN), LIFE (FATIGUE)

TEST TERMS TORQUE: BRING PRESSURE UNTIL BROKEN AND THEN GET

THE HIGHEST TORQUE. UNIT OF TORQUE:kg-cm

FATIGUE: CONTINUOUSLY BRING THE NORM TORQUE UNTIL BROKEN

AND THEN GET THE ACTUAL TESTING TIMES

1kg-cm entspricht 0,0981NM

RESULT: TIMES/ TORQUE Kg-cm

ITEM NO.	DESCRIPTION	HARDNESS OF SQUARE HEAD	HARDNESS OF HANDLE	STANDARD TORQUE	MAX TORQUE	TEST(TIMES/ kg-cm)	SETTING=DIN TORQUE*%	REMARKS
1	4101NQ 1/2"Ratchet	51	46	5223		11372/3100	3100=5223×60%	DAMAGED GEAR
2	4101NQ 1/2"Ratchet	51	48	5223		8143/4150	4150=5223×80%	DAMAGED GEAR
3	4101NQ 1/2"Ratchet	51	46	5223		10000/4150	4150=5223×80%	DAMAGED GEAR
4	4101NQ 1/2"Ratchet	51	46	5223		1173/5200	100%	DAMAGED GEAR
5	4101NQ 1/2"Ratchet	51	46	5223	7748,4			DAMAGED GEAR
6	4101NQ 1/2"Ratchet	51	46	5223	7907,9			DAMAGED SQUARE HEAD
7	4132GQ 1/2"Ratchet	50	46	5223		5293/4150	4150=5223×80%	DAMAGED GEAR
8	4132GQ 1/2"Ratchet	50	46	5223		998/5200	100%	DAMAGED GEAR
9	4132GQ 1/2"Ratchet	50	46	5223	8424,8			DAMAGED SQUARE HEAD
10	4132GQ 1/2"Ratchet	50	46	5223	7930,9			DAMAGED GEAR
11	3101NQ 3/8"Ratchet	50	46	2060		2785/2060	100%	DAMAGED GEAR
12	3101NQ 3/8"Ratchet	50	46	2060		1629/2470	2470=2060×120%	DAMAGED SQUARE HEAD
13	3101NQ 3/8"Ratchet	50	46	2060	3171,3			DAMAGED GEAR
14	3101NQ 3/8"Ratchet	50	46	2060	3051			DAMAGED GEAR
15	3132GQ 3/8"Ratchet	50	46	2060		2940/2060	100%	DAMAGED GEAR
16	3132GQ 3/8"Ratchet	50	46	2060		1659/2470	2470=2060×120%	DAMAGED GEAR
17	3132GQ 3/8"Ratchet	50	46	2060	3231,4			DAMAGED GEAR
18	3132GQ 3/8"Ratchet	50	46	2060	3359,7			DAMAGED SQUARE HEAD
19	2132GQ 1/4"Ratchet	50~52.5	44~46	632,4	911,5			DAMAGED GEAR
20	2132GQ 1/4"Ratchet	50~52.5	44~46	632,4	986,7			DAMAGED GEAR
21	2132GQ 1/4"Ratchet	50~52.5	44~46	632,4	931,7			DAMAGED SQUARE HEAD
22	2132GQ 1/4"Ratchet	50~52.5	44~46	632,4		4572/750	750=632.2×120%	DAMAGED GEAR
23	2101GQ 1/4"Ratchet	51.5~53	45.5~46.5	632,4	920,1			DAMAGED GEAR
24	2101NQ 1/4"Ratchet	51.5~53	45.5~46.5	632,4	995,3			DAMAGED GEAR
25	2101NQ 1/4"Ratchet	51.5~53	45.5~46.5	632,4	1005,8			DAMAGED SQUARE HEAD
26	2101NQ 1/4"Ratchet	51.5~53	45.5~46.5	632,4		5682/750	750=632.2×120%	DAMAGED GEAR