

# CRS

## Specialty Tools Clean Room Screwdrivers

Hand Torque  
Screwdrivers



### KEY FEATURES

Designed and manufactured to meet or exceed the accuracy and repeatability requirements of ISO 6789:2003 ( $\pm 6\%$  of setting).

Exceeds Class 100 clean room standards.

Special seals prevent contamination.

External components are high grade stainless steel to inhibit any form of corrosion.

Special microfiltered internal lubricant.

Aluminum handle sealed with PTFE impregnated anodized finish.

ESD compliant (IEC 61340-5-1:1998).

Tamper-proof internal adjustment. No external adjustment scale - must be preset using a torque analyzer.

### FEATURES IFR

The design action of the standard CRS cammed screwdriver is such that when the tool reaches its preset torque value the mechanism disengages from the drive thus limiting the torque applied. Further rotation of the screwdriver handle resets the mechanism ready for the next torquing operation. The IFR models eliminate any small reaction during resetting.

All IFR models are "impact-free" when the cam resets.

Screwdriver is torque limiting in the CW direction only.

CCW operation available upon request.

### CLEAN ROOM STANDARDS

According to the United States specification FED-STD-209D, classes of cleanliness are defined by the number of particles per cubic foot.

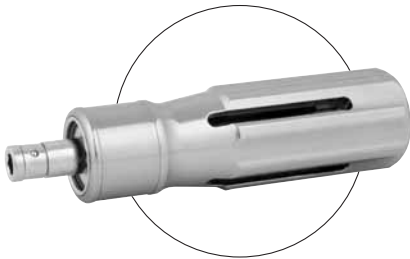
Particle sizes shown in the following table.

### MEASURED PARTICLE SIZE (Microns)

Class	0.1	0.2	0.3	0.5	5.0
1	35	7.5	3	1	-
10	350	75	30	10	-
100	-	750	300	100	-
1,000	-	-	-	1,000	7
10,000	-	-	-	10,000	70
100,000	-	-	-	100,000	700

For Torque Analyzers, ask for our "Torque Analyzer & Torque Measurement" catalog.

Model	Item #	Torque Ranges			Drive F/Hex	Weight	
		American	S.I.	Metric		oz.	gm.
CRS100-0022FH	020320	3 - 32 ozf.in	2 - 22 cN.m	0.2 - 13.7 kgf.cm	1/4"	2.5	72
CRS100-0135FH	020321	1 - 12 lbf.in	11 - 135 cN.m	1.1 - 13.7 kgf.cm	1/4"	7.4	210
CRS100-0406FH	020322	1.4 - 36 lbf.in	16 - 406 cN.m	1.6 - 41 kgf.cm	1/4"	9.9	280
CRS100-1360FH	020498	10 - 120 lbf.in	1 - 13.6 N.m	10.5 - 138 kgf.cm	1/4"	11.5	325
IFR CRS 100-00135FH	020483	1 - 12 lbf.in	11 - 135 cN.m	1.1 - 13.7 kgf.cm	1/4"	7.4	210
IFR CRS 100-00406FH	020484	1.4 - 36 lbf.in	16 - 406 cN.m	1.6 - 41 kgf.cm	1/4"	9.9	280



### SURGICAL TORQUE TOOLS

Responding to an increasing demand for torque tools to be used in medical applications, Mountz, Inc. offers special surgical screwdrivers and wrenches.

The tools are manufactured from high quality materials providing the greatest resistance to the effects of temperature, wear, and corrosion. Where necessary, the tools have been modified to allow full ventilation/drainage of mechanism during sterilization/autoclaving.

**All medical tools are non-standard and are not kept in stock. Contact our customer service to discuss your application requirements.**