

2% CLOCKWISE/COUNTERCLOCKWISE ACCURACY, 1% AVAILABLE

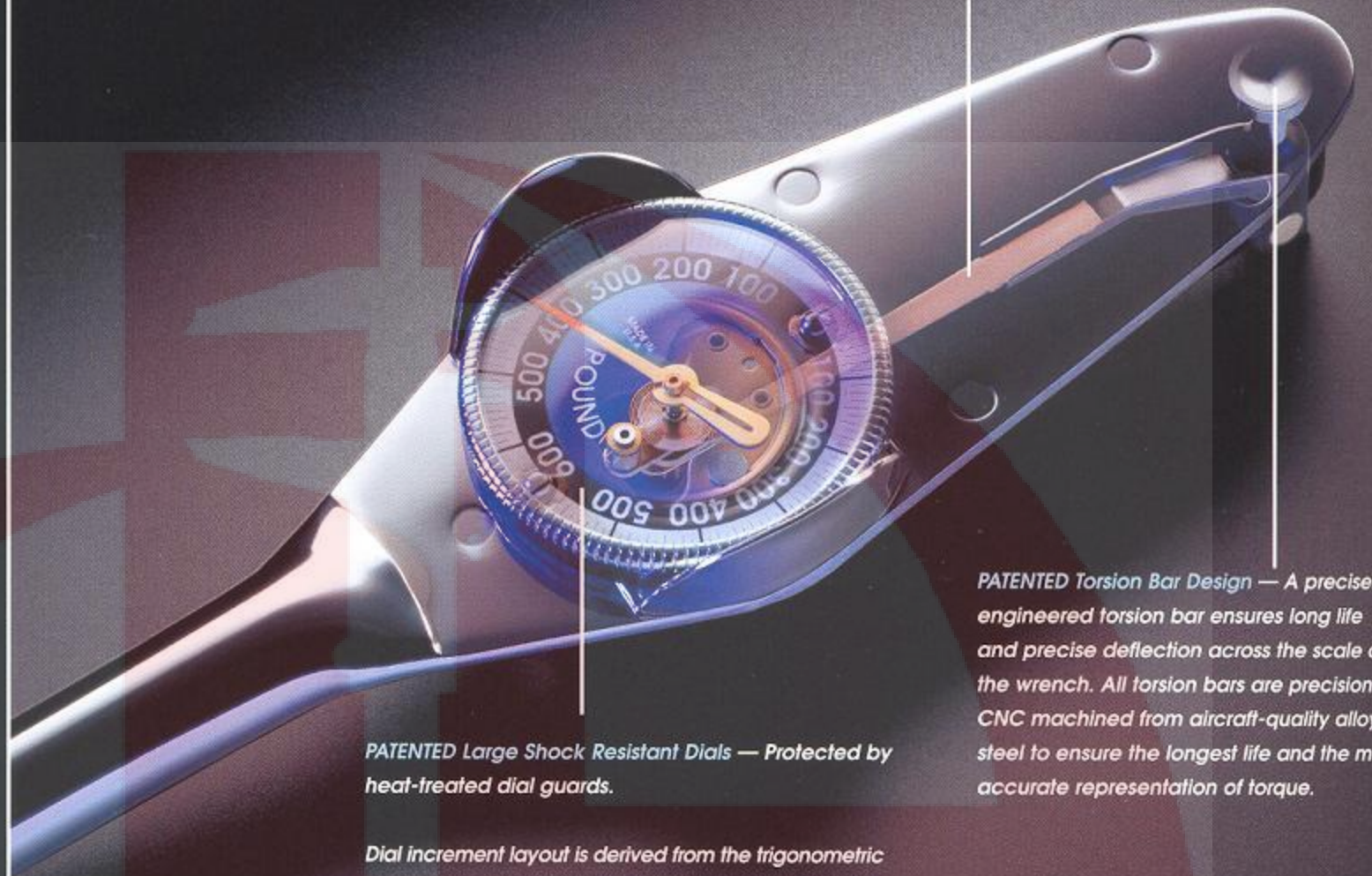
This special catalog section provides a pictorial explanation of the six main stages Precision Instruments' tools undergo from start to finish.

Raw materials

All raw materials are domestically procured. Upon delivery, quality control inspects the material to ensure that it is within specification.



PATENTED Virtually Friction-Free Operation — A floating connecting beam between the torque measuring element and the dial mechanism has no bearing points and consequently is virtually friction-free.



PATENTED Torsion Bar Design — A precisely engineered torsion bar ensures long life and precise deflection across the scale of the wrench. All torsion bars are precision CNC machined from aircraft-quality alloy steel to ensure the longest life and the most accurate representation of torque.

PATENTED Large Shock Resistant Dials — Protected by heat-treated dial guards.

Dial increment layout is derived from the trigonometric interaction of the torsion bar and dial movement and results in the perfect synchronization of the torsion bar deflection and indicated reading.

ADVANCED TECHNOLOGY

The Dial Type Wrench provides an excellent solution for many applications. The wide range of scales makes selecting the appropriate tool easy. Accurate to 2% of the reading from 20% of full scale to full scale clockwise and counterclockwise, the Dial Type Wrench is the most accurate torque wrench family. The Dial Type Wrench is the only wrench that is not affected by the hand-hold position on the wrench.

DIAL TYPE WRENCH: HAND OPERATED

All Precision Instruments Dial Type Wrenches are comprised of all steel construction. Components are punched, drawn or machined steel. None are die-cast. Steel components combined with riveted and welded construction ensures a durable wrench with minimal FOD danger.

U.S. CUSTOMARY SYSTEM DIAL TYPE MODELS						
Square Drive, inches	Basic Models	Memory Needle Models	Light Signal Models	Range	Increments	Length, inches
1/4	D1F15H	D1F15HM	-	15 lb. in.	1/4 lb. in.	9 29/32
	D1F30H	D1F30HM	-	30 lb. in.	1/2 lb. in.	9 29/32
	D1F75H	D1F75HM	-	75 lb. in.	1 lb. in.	9 29/32
3/8	D2F150H	D2F150HM	D2F150HL	150 lb. in.	2 1/2 lb. in.	9 29/32
	D2F300H	D2F300HM	D2F300HL	300 lb. in.	5 lb. in.	9 29/32
	D2F600H	D2F600HM	D2F600HL	600 lb. in.	10 lb. in.	12 1/2
	D2F12F	D2F12FM	D2F12FL	12 lb. ft.	1/2 lb. ft.	9 29/32
	D2F25F	D2F25FM	D2F25FL	25 lb. ft.	1/2 lb. ft.	9 29/32
	D2F50F	D2F50FM	D2F50FL	50 lb. ft.	1 lb. ft.	12 1/2
1/2	D3F600H	D3F600HM	D3F600HL	600 lb. in.	10 lb. in.	15
	D3F50F	D3F50FM	D3F50FL	50 lb. ft.	1 lb. ft.	15
	D3F100F	D3F100FM	D3F100FL	100 lb. ft.	1 lb. ft.	16
	D3F175F	D3F175FM	D3F175FL	175 lb. ft.	2 1/2 lb. ft.	18 3/4
	D3F250F	D3F250FM	D3F250FL	250 lb. ft.	5 lb. ft.	23 3/4
3/4	D4F350F	D4F350FM	D4F350FL	350 lb. ft.	5 lb. ft.	29 7/8
	D4F600F	D4F600FM	D4F600FL	600 lb. ft.	10 lb. ft.	40 7/8
1	D5F800F	D5F800FM	D5F800FL	800 lb. ft.	10 lb. ft.	66 13/16
	D5F1000F	D5F1000FM	D5F1000FL	1000 lb. ft.	10 lb. ft.	66 13/16
	D5F1500F	D5F1500FM	D5F1500FL	1500 lb. ft.	25 lb. ft.	80
	D5F2000F	D5F2000FM	D5F2000FL	2000 lb. ft.	25 lb. ft.	80
1 1/2	D6F2000F	D6F2000FM	D6F2000FL	2000 lb. ft.	25 lb. ft.	80
	D6F3000F	D6F3000FM	D6F3000FL	3000 lb. ft.	50 lb. ft.	140

Special scales not listed may be available upon request. Please contact your Precision Instruments' sales representative for more information. For more detailed information regarding specifications, dimensions, etc., please consult our web-site at: www.torqwrench.com.

DIAL TYPE WRENCH: HAND OPERATED



COMBINATION U.S. CUSTOMARY SYSTEM AND N·m DIAL TYPE MODELS

Square Drive, inches	Basic Models	Memory Needle Models	Light Signal Models	U.S. Range	U.S. Increments	N·m Range	N·m Increments	Length, inches
1/4	D1F15CHN	D1F15CHNM	-	15 lb. in.	1/2 lb. in.	1.7 N·m	0.05 N·m	9 29/32
	D1F30CHN	D1F30CHNM	-	30 lb. in.	1 lb. in.	3.5 N·m	0.1 N·m	9 29/32
	D1F75CHN	D1F75CHNM	-	75 lb. in.	1 lb. in.	8.4 N·m	0.2 N·m	9 29/32
3/8	D2F150CHN	D2F150CHNM	D2F150CHNL	150 lb. in.	5 lb. in.	17 N·m	0.5 N·m	9 29/32
	D2F300CHN	D2F300CHNM	D2F300CHNL	300 lb. in.	5 lb. in.	32 N·m	0.5 N·m	9 29/32
	D2F600CHN	D2F600CHNM	D2F600CHNL	600 lb. in.	20 lb. in.	60 N·m	1 N·m	12 1/2
1/2	D3F600CHN	D3F600CHNM	D3F600CHNL	600 lb. in.	20 lb. in.	60 N·m	1 N·m	15
	D3F100CFN	D3F100CFNM	D3F100CFNL	100 lb. ft.	2 lb. ft.	140 N·m	5 N·m	16
	D3F175CFN	D3F175CFNM	D3F175CFNL	175 lb. ft.	5 lb. ft.	230 N·m	10 N·m	18 3/4
	D3F250CFN	D3F250CFNM	D3F250CFNL	250 lb. ft.	10 lb. ft.	340 N·m	10 N·m	23 3/4
3/4	D4F350CFN	D4F350CFNM	D4F350CFNL	350 lb. ft.	5 lb. ft.	480 N·m	10 N·m	29 7/8
	D4F600CFN	D4F600CFNM	D4F600CFNL	600 lb. ft.	20 lb. ft.	800 N·m	20 N·m	40 7/8
1	D5F1000CFN	D5F1000CFNM	D5F1000CFNL	1000 lb. ft.	20 lb. ft.	1360 N·m	20 N·m	66 13/16

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COMBINATION U.S. CUSTOMARY SYSTEM AND METRIC SYSTEM DIAL TYPE MODELS

Square Drive, inches	Basic Models	Memory Needle Models	Light Signal Models	U.S. Range	U.S. Increments	Metric Range	Metric Increments	Length, inches
1/4	D1F15CHK	D1F15CHKM	-	15 lb. in.	1/2 lb. in.	16 kg·cm	1 kg·cm	9 29/32
	D1F30CHK	D1F30CHKM	-	30 lb. in.	1 lb. in.	35 kg·cm	1 kg·cm	9 29/32
	D1F75CHK	D1F75CHKM	-	75 lb. in.	1 lb. in.	90 kg·cm	2.5 kg·cm	9 29/32
3/8	D2F150CHK	D2F150CHKM	D2F150CHKL	150 lb. in.	5 lb. in.	175 kg·cm	5 kg·cm	9 29/32
	D2F300CHK	D2F300CHKM	D2F300CHKL	300 lb. in.	5 lb. in.	350 kg·cm	10 kg·cm	9 29/32
	D2F600CHK	D2F600CHKM	D2F600CHKL	600 lb. in.	20 lb. in.	700 kg·cm	20 kg·cm	12 1/2
1/2	D3F600CHK	D3F600CHKM	D3F600CHKL	600 lb. in.	20 lb. in.	700 kg·cm	20 kg·cm	15
	D3F100CFM	D3F100CFMM	D3F100CFML	100 lb. ft.	2 lb. ft.	14 kg·m	0.5 kg·m	16
	D3F175CFM	D3F175CFMM	D3F175CFML	175 lb. ft.	5 lb. ft.	25 kg·m	1 kg·m	18 3/4
	D3F250CFM	D3F250CFMM	D3F250CFML	250 lb. ft.	10 lb. ft.	35 kg·m	1 kg·m	23 3/4
3/4	D4F350CFM	D4F350CFMM	D4F350CFML	350 lb. ft.	10 lb. ft.	50 kg·m	1 kg·m	29 7/8
	D4F600CFM	D4F600CFMM	D4F600CFML	600 lb. ft.	20 lb. ft.	80 kg·m	2 kg·m	40 7/8
1	D5F800CFM	D5F800CFMM	D5F800CFML	800 lb. ft.	25 lb. ft.	110 kg·m	2 kg·m	66 13/16
	D5F1000CFM	D5F1000CFMM	D5F1000CFML	1000 lb. ft.	20 lb. ft.	136 kg·m	2 kg·m	66 13/16
	D5F1500CFM	D5F1500CFMM	D5F1500CFML	1500 lb. ft.	25 lb. ft.	200 kg·m	5 kg·m	80
	D5F2000CFM	D5F2000CFMM	D5F2000CFML	2000 lb. ft.	50 lb. ft.	280 kg·m	5 kg·m	80
1 1/2	D6F2000CFM	D6F2000CFMM	D6F2000CFML	2000 lb. ft.	50 lb. ft.	280 kg·m	5 kg·m	80
	D6F3000CFM	D6F3000CFMM	D6F3000CFML	3000 lb. ft.	50 lb. ft.	400 kg·m	5 kg·m	140

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