

Tool Joint Torsional Strength

NC26 ID (in)	3-5/8	3-1/2	3-3/8	OD (in) 3-1/4	3-1/8	3	2-31/32	2-15/16			
1-3/4	7220	7160	6880	5010	3240	1570	1170	780			
1-7/8	6200	6150	6100	5010	3240	1570	1170	780			
2	5120	5070	5030	4980	3240	1570	1170	780			
2-1/8	3960	3930	3900	3860	3240	1570	1170	780			
2-5/32	3670	3640	3600	3570	3240	1570	1170	780			
2-1/4	2740	2720	2690	2670	2640	1570	1170	780			

NC31 ID (in)	4-5/8	4-1/4	4-1/8	OD (in) 4	3-7/8	3-3/4	3-5/8	3-1/2			
1-5/8	16950	16820	14190	11490	8910	6450	4100	1860			
1-3/4	15850	15730	14190	11490	8910	6450	4100	1860			
1-7/8	14660	14550	14190	11490	8910	6450	4100	1860			
2	13400	13300	13200	11490	8910	6450	4100	1860			
2-1/8	12050	11960	11870	11490	8910	6450	4100	1860			

NC38 ID (in)	5	4-15/16	4-7/8	OD (in) 4-13/16	4-3/4	4-11/16	4-5/8	4-9/16			
2-1/8	26500	24840	22910	21010	19170	17370	15580	13820			
2-1/4	24870	24790	22910	21010	19170	17370	15580	13820			
2-3/8	23120	23050	22910	21010	19170	17370	15580	13820			
2-7/16	22200	22130	22060	21010	19170	17370	15580	13820			
2-1/2	21280	21210	21140	21010	19170	17370	15580	13820			
2-9/16	20330	20270	20200	21010	19170	17370	15580	13820			
2-5/8	19350	19290	19220	19160	19100	17370	15580	13820			
2-11/16	18340	18280	18220	18160	18100	17370	15580	13820			

NC38 Cont. ID (in)	4-1/2	4-7/16	4-3/8	OD (in) 4-5/16	4-1/4	4-3/16	4-1/8				
2-1/8	12130	10460	8800	7180	5620	4090	2570				
2-1/4	12130	10460	8800	7180	5620	4090	2570				
2-3/8	12130	10460	8800	7180	5620	4090	2570				
2-7/16	12130	10460	8800	7180	5620	4090	2570				
2-1/2	12130	10460	8800	7180	5620	4090	2570				
2-9/16	12130	10460	8800	7180	5620	4090	2570				
2-5/8	12130	10460	8800	7180	5620	4090	2570				
2-11/16	12130	10460	8800	7180	5620	4090	2570				

NC40 ID (in)	5-1/5	5-3/8	5-1/4	OD (in) 5-1/8	5	4-7/8	4-3/4	4-5/8			
2-1/4	32940	32740	29360	25080	20950	16970	13130	9430			
2-3/8	31080	30890	29360	25080	20950	16970	13130	9430			
2-7/16	30110	29920	29360	25080	20950	16970	13130	9430			
2-1/2	29120	28940	28770	25080	20950	16970	13130	9430			
2-9/16	28110	27940	27770	25080	20950	16970	13130	9430			
2-5/8	27060	26890	26730	25080	20950	16970	13130	9430			
2-11/16	25980	25820	25660	25080	20950	16970	13130	9430			
2-3/4	24900	24740	24590	24440	20950	16970	13130	9430			
2-13/16	23790	23640	23500	23350	20950	16970	13130	9430			

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NC46 ID (in)	6-1/2	6-7/16	6-3/8	OD (in) 6-5/16	6-1/4	6-3/16	6-1/8	6-1/16	6	5-15/16
2-1/2	50170	50030	49900	49760	49630	49500	49360	47780	44970	42200
2-5/8	47820	47690	47560	47430	47310	47180	47050	46920	44970	42200
2-3/4	45360	45240	45110	44990	44870	44750	44630	44510	44390	42200
2-7/8	42780	42670	42550	42440	42320	42210	42090	41980	41860	42200
3	40090	39980	39870	39770	39660	39550	39440	39340	39230	39120
3-1/8	37280	37180	37080	36980	36880	36780	36680	36580	36480	36380
3-1/4	34360	34270	34180	34090	33990	33900	33810	33720	33630	33530
3-3/8	31330	31240	31160	31070	30990	30910	30820	30740	30660	30570
3-1/2	28180	28100	28030	27950	27880	27800	27720	27650	27570	27500

NC46 Cont. ID (in)	5-7/8	5-13/16	5-3/4	OD (in) 5-11/16	5-5/8	5-9/16	5-3/8	5-5/16	5-1/4	5-5/32
2-1/2	39430	36700	34060	31460	28850	26290	18940	16540	14220	10790
2-5/8	39430	36700	34060	31460	28850	26290	18940	16540	14220	10790
2-3/4	39430	36700	34060	31460	28850	26290	18940	16540	14220	10790
2-7/8	39430	36700	34060	31460	28850	26290	18940	16540	14220	10790
3	39020	36700	34060	31460	28850	26290	18940	16540	14220	10790
3-1/8	36280	36180	34060	31460	28850	26290	18940	16540	14220	10790
3-1/4	33440	33350	33260	31460	28850	26290	18940	16540	14220	10790
3-3/8	30490	30400	30320	30240	28850	26290	18940	16540	14220	10790
3-1/2	27420	27350	27270	27200	27120	26290	18940	16540	14220	10790

NC50 ID (in)	6-5/8	6-9/16	6-1/2	OD (in) 6-7/16	6-3/8	6-5/16	6-1/4	6-3/16		
2-3/4	63400	60280	56980	53740	50480	47280	44170	41100		
2-7/8	60660	60280	56980	53740	50480	47280	44170	41100		
3	57800	57650	56980	53740	50480	47280	44170	41100		
3-1/8	54820	54680	54540	53740	50480	47280	44170	41100		
3-1/4	51700	51580	51450	51320	50480	47280	44170	41100		
3-3/8	48480	48360	48230	48110	47990	47280	44170	41100		
3-1/2	45130	45010	44900	44790	44670	44560	44170	41100		
3-5/8	41650	41550	41450	41340	41240	41130	41030	40920		
3-3/4	38060	37960	37870	37770	37680	37580	37490	37390		

NC50 Cont. ID (in)	6-1/8	6-1/16	6	OD (in) 5-15/16	5-7/8	5-13/16	5-3/4	5-11/16		
2-3/4	38030	35010	32070	29180	26290	23450	20690	17980		
2-7/8	38030	35010	32070	29180	26290	23450	20690	17980		
3	38030	35010	32070	29180	26290	23450	20690	17980		
3-1/8	38030	35010	32070	29180	26290	23450	20690	17980		
3-1/4	38030	35010	32070	29180	26290	23450	20690	17980		
3-3/8	38030	35010	32070	29180	26290	23450	20690	17980		
3-1/2	38030	35010	32070	29180	26290	23450	20690	17980		
3-5/8	38030	35010	32070	29180	26290	23450	20690	17980		
3-3/4	37290	35010	32070	29180	26290	23450	20690	17980		

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NC56 ID (in)	8	7-7/8	7-3/4	OD (in) 7-5/8	7-1/2	7-3/8	7-1/4	7-1/8			
3-1/8	86320	85930	85540	85150	84760	84370	77760	69840			
3-1/4	82860	82490	82110	81740	81360	80990	77760	69840			
3-3/8	79270	78910	78550	78190	77830	77470	77120	69840			
3-1/2	75540	75200	74850	74510	74170	73830	73490	69840			
3-5/8	71670	71350	71020	70700	70370	70050	69730	69400			
3-3/4	67670	67360	67060	66750	66450	66140	65830	65530			
3-7/8	63530	63240	62960	62670	62380	62100	61810	61520			
4	59260	58990	58720	58460	58190	57920	57650	57380			

2-7/8 SL-H90 ID (in)	4-1/4	4-1/8	4	OD (in) 3-7/8	3-3/4	3-5/8	3-1/2	3-7/16			
2	13400	13310	13220	13130	10840	8190	5660	4450			
2-1/8	11910	11830	11750	11670	10840	8190	5660	4450			
2-5/32	11530	11450	11370	11290	10840	8190	5660	4450			
2-1/4	10330	10260	10190	10120	10050	8190	5660	4450			
2-3/8	8650	8600	8540	8480	8420	8190	5660	4450			
2-7/16	7780	7720	7670	7620	7570	7510	5660	4450			

3-1/2 SL-H90 ID (in)	5	4-7/8	4-3/4	OD (in) 4-5/8	4-1/2	4-3/8	4-1/4	4-1/8			
2-1/2	22190	22060	21930	21800	18330	14570	10960	7490			
2-5/8	20020	19900	19780	19670	18330	14570	10960	7490			
2-11/16	18880	18770	18660	18550	18330	14570	10960	7490			
2-3/4	17740	17640	17530	17430	17330	14570	10960	7490			
2-7/8	15350	15270	15180	15090	15000	14570	10960	7490			
3	12860	12790	12720	12640	12570	12490	10960	7490			

3-1/2 XH ID (in)	5	4-7/8	4-3/4	OD (in) 4-5/8	4-1/2	4-3/8	4-1/4	4-1/8			
2-1/4	19880	19750	19620	19480	16280	13030	9910	6920			
2-3/8	18190	18070	17950	17830	16280	13030	9910	6920			
2-7/16	17300	17190	17070	16960	16280	13030	9910	6920			
2-1/2	16410	16300	16190	16080	15970	13030	9910	6920			
2-9/16	15490	15390	15280	15180	15070	13030	9910	6920			
2-5/8	14530	14440	14340	14240	14140	13030	9910	6920			

4 H90 ID (in)	6-1/4	6-1/8	6	5-7/8	OD (in) 5-3/4	5-5/8	5-1/2	5-5/32	5-1/32	4-7/8	4-27/32
2-3/4	37830	37630	37440	37240	37050	36860	36670	23190	18430	12720	11610
2-13/16	36510	36320	36130	35950	35760	35570	35380	23190	18430	12720	11610
2-7/8	35130	34950	34770	34590	34410	34230	34050	23190	18430	12720	11610
3	32320	32150	31990	31820	31660	31490	31320	23190	18430	12720	11610
3-1/8	29380	29230	29080	28930	28780	28630	28480	23190	18430	12720	

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4-1/2 H90 ID (in)	6-3/4	6-5/8	6-1/2	OD (in) 6-3/8	6-1/4	6-1/8	6	5-7/8	5-3/4	5-1/2	5-3/8
2-3/4	52380	52130	51880	51630	51380	51130	50560	44430	38480	27110	21690
2-7/8	49500	49260	49030	48790	48550	48310	48080	44430	38480	27110	21690
3	46490	46260	46040	45820	45600	45370	45150	44430	38480	27110	21690
3-1/8	43350	43140	42930	42720	42520	42310	42100	41890	38480	27110	21690
3-1/4	40080	39880	39690	39500	39310	39120	38930	38730	38480	27110	21690
3-3/8	36680	36500	36330	36150	35980	35800	35630	35450	35270	27110	21690
3-1/2	33150	32990	32840	32680	32520	32360	32200	32040	31880	27110	21690

2-7/8 PAC ID (in)	3-1/8	3-1/16	3	OD (in) 2-15/16	2-7/8	2-13/16	2-3/4	2-11/16			
1-1/4	6810	5990	5210	4450	3700	2970	2280	1600			
1-3/8	6460	5990	5210	4450	3700	2970	2280	1600			
1-1/2	5730	5700	5210	4450	3700	2970	2280	1600			
1-5/8	4940	4920	4890	4450	3700	2970	2280	1600			
1-3/4	4080	4060	4040	4030	3700	2970	2280	1600			

4-1/2 FH ID (in)	6-1/4	6-1/8	6	OD (in) 5-7/8	5-3/4	5-5/8	5-1/2	5-3/8	5-9/32		
2-1/2	44770	44520	44270	39970	34790	29770	24910	20210	16780		
2-5/8	42530	42300	42060	39970	34790	29770	24910	20210	16780		
2-3/4	40190	39960	39740	39510	34790	29770	24910	20210	16780		
2-7/8	37740	37530	37310	37100	34790	29770	24910	20210	16780		
3	35180	34980	34780	34580	34380	29770	24910	20210	16780		

5-1/2 FH ID (in)	7-1/2	7-3/8	7-1/4	OD (in) 7-1/8	7	6-7/8	6-3/4	6-5/8	6-17/32	6-13/32	
3	87170	86770	87220	70710	62900	55300	47900	40690	35400	28530	
3-1/16	85550	85160	87220	70710	62900	55300	47900	40690	35400	28530	
3-1/8	83870	83490	87220	70710	62900	55300	47900	40690	35400	28530	
3-1/4	80430	80060	87220	70710	62900	55300	47900	40690	35400	28530	
3-3/8	76860	76510	87220	70710	62900	55300	47900	40690	35400	28530	
3-1/2	73150	72820	87220	70710	62900	55300	47900	40690	35400	28530	
3-5/8	69310	68990	87220	70710	62900	55300	47900	40690	35400	28530	
3-3/4	65330	65030	87220	70710	62900	55300	47900	40690	35400	28530	
3-7/8	61220	60940	87220	70710	62900	55300	47900	40690	35400	28530	
4	56970	56710	87220	70710	62900	55300	47900	40690	35400	28530	

6-5/8 FH ID (in)	8-3/4	8-5/8	8-1/2	OD (in) 8-3/8	8-1/4	8-1/8	8	7-3/4	7-1/2	7-1/8	
4	120390	119920	119450	118970	108540	98080	87860	68100	49250	40710	
4-1/2	99170	98780	98390	98000	97610	97220	87860	68100	49250	40710	
4-3/4	87620	87270	86930	86580	86240	85890	85550	68100	49250	40710	
5	75440	75140	74850	74550	74250	73960	73660	68100	49250	40710	
5-1/4	62640	62400	62150	61900	61660	61410	61160	60670	49250	40710	

DSTJ™ 5-1/2 FH ID (in)	7-1/4	7									
3-1/4	101000	83330									
3-1/2	92310	81430									
3-3/4	81180	79200									
4	69580	69140									