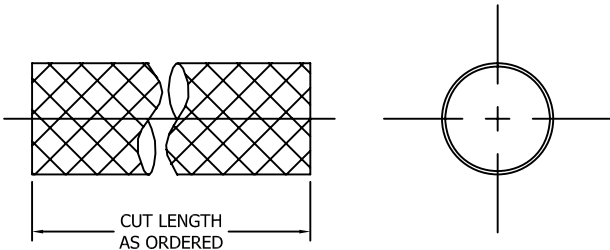





D	4			3			2		1					
	FEDERAL MOGUL SPEC . #	NOMINAL SIZE I.D., mm [INCHES]	MAX. WEIGHT, g/m [lbs/ft]	# CARRIERS	ENDS/ CARRIER	PICKS/ 2.54cm	MANDREL SIZE, mm [INCHES]	REV	REV	DESCRIPTION		DATE	BY	
	50010003XX	3 [1/8"]	2.62 [0.00176]	32	1	22-26 25-31	5.82 [0.229"] 6.35 [1/4"]	D	A	SPEC. #S UPDATED, BORDER REVISED		9/10/98	BT	
	50010006XX	6 [1/4"]	3.93 [0.00264]	48	1	16-20 22-26	11.11 [7/16"] 12.70 [1/2"]	D	B	NOTE 4 ADDED (NOW NOTE 6), BORDER REVISED, CUTTING TOLERANCES ADDED		11/12/98	BT	
	50010010XX	10 [3/8"]	9.49 [0.00638]	36 OR 40*	3	10-12	12.70 [1/2"]	E	C	3/8" SIZE ADDED, 1/8" & 2" SPEC. #S CORRECTED, MONO SPEC. #S ADDED		3/29/05	BT	
	50010013XX	13 [1/2"]	11.61 [0.00780]	48	3	11-13	19.05 [3/4"]	D	D	WEIGHT CHANGED TO MAX. WEIGHT. ADDED # CARRIERS, ENDS/CARRIER, PICKS & MANDREL SIZE. ADDED NOTES 2 AND 3. ECRN TX-273		11/14/06	JAS	
	50010019XX	19 [3/4"]	18.01 [0.01210]	72	3	9-11 12-14	28.58 [1-1/8"] 31.75 [1-1/4"]	D	E	ADDED 40-CARRIER BRAIDER OPTION FOR 10mm BRAID, ECRN TX-304. ADDED MIN. CUT LENGTH.		12/15/06	JAS	
	50010032XX	32 [1-1/4"]	24.85 [0.01670]	96	3	11-13	44.45 [1-3/4"]	D						
	50010045XX	45 [1-3/4"]	42.56 [0.02860]	120	4	9-10	63.50 [2-1/2"]	D						
	50010051XX	51 [2"]	53.34 [0.03584]	120	5	10-12 6-8	88.90 [3-1/2"] 76.20 [3"]	D						
50010064XX	64 [2-1/2"]	63.40 [0.04260]	144	5	8-12 6-8	114.3 [4-1/2"] 88.90 [3-1/2"]	D							
*BRAID CAN BE MADE ON A 36-CARRIER OR A 40-CARRIER BRAIDER. BOTH ARE ACCEPTABLE.														
B	COLOR CHART		MONO											
	XX	COLOR	SPEC. #											
	01	NATURAL	9020032											
	03	BLACK	9020033											
	04	YELLOW	9020038											
	05	RED	9020040											
	06	BLUE	9020037											
	07	GREEN	9020039											
	08	GREY	9020035											
	10	ORANGE	9020036											
A	CUTTING TOLERANCES			<div><div>GEOMETRIC DIMENSIONS & TOLERANCING IN ACCORDANCE WITH ASME Y14.5M -1994 ANY CHANGE IN PROCESS OR COMPOSITION REQUIRES PRIOR ENGINEERING APPROVAL</div><div><div> MONITOR PER APPROVED CONTROL PLAN INITIAL LAYOUT WITHIN SPEC.</div><div><div> ONGOING CONTROL PER APPROVED CONTROL PLAN. INITIAL CAPABILITY 30 CONSECUTIVE PCS. Cpk > 1.67</div><div><div> ONGOING CONTROL USE SPC PER AIAG GUIDELINES. INITIAL CAPABILITY: 100 CONSECUTIVE PCS. Cpk > 1.67.</div></div></div><div><div>APP. ENGINEER DAWN ROSS</div><div>DATE</div></div><div><div>DRAWN JESS SYKES</div><div>DATE 11/6/06</div></div><div><div>TECH. SERVICES BILL SCHREPPLE</div><div>DATE</div></div><div><div>MANUFACTURING GEOFF GIBBS</div><div>DATE</div></div><div><div>QUALITY ASSURANCE DAVE FARRELL</div><div>DATE</div></div><div><div>PMO DAVE HARRIS</div><div>DATE</div></div></div><div><div colspan="2">METRIC DRAWING</div><div>FEDERAL-MOGUL SYSTEMS PROTECTION GROUP MANUF. OF BENTLEY-HARRIS® PROTECTION PRODUCTS</div><div><div>TITLE: EXPANDO® PT</div><div>241 WELSH POOL ROAD EXTON, PA 19341-1324 TELEPHONE: (610) 363-2600</div></div><div><div>SIZE C</div><div>REVISION E</div></div><div><div>DRAWING NO: 10694</div><div>SCALE: NTS</div><div>SHEET 1 OF 1</div></div></div></div>										