

ULTRAFLO STANDARD MATERIAL METAL REFERENCE CHART

PARTS					SPECIFICATION			CHEMICAL COMPOSITION											MINIMUM PHYSICAL PROPERTIES			
BODY	DISC	DISC-STEM	STEM	HANDLE	COMMON DESIGNATION	CAST MATERIAL	WROUGHT MATERIAL	ALUMINUM	CARBON	CHROMIUM	COPPER	IRON	MANGANESE	MOLYBDENUM	NICKEL	SILICON	TITANIUM	ZINC	TENSILE (P.S.I.)	YIELD (P.S.I.)	ELONGATION (MIN.)	BRINELL NO.
X					Aluminum	ASTM A413 DIE CAST ALLOY		BAL			1.0	1.3	0.35		.5	12		.5	42,000	19,000	3.5	120
					Aluminum	ASTM B-262C81A		BAL	.35	0.4	1	0.6		.15	.25	.25	7		30,000	22,000	3	
X				X	Aluminum	ASTM B 26-B179		BAL	.35	0.4	1	0.5	.6	.15	.25	.25	7		30,000	22,000	3	
	X				Bronze (Aluminum Bronze)	ASTM B-148 952		9			BAL	3							65,000	25,000	20	110
X					Cast Iron	ASTM A-126 Class B			3.2			BAL	0.6			2			31,000			
	X			X	Nodular Iron (65-45-12)	ASTM A536 (65-45-12) Grade			3.2			BAL	0.6			2			65,000	45,000	12	
X					Nodular Iron (60-45-15)	ASTM A-395 (60-45-15) Grade			3			BAL				2.5			60,000	45,000	15	
X	X	X		X	316 SS	ASTM A351 CF8M		.08	18		BAL	1.5	2	9	2				70,000	30,000	30	
			X		316 SS		ASTM A276 Grade 316	.08	18		BAL	2	2	10	1				75,000	30,000	30	
			X		304 SS		ASTM A276 TYPE 304	.08	18		BAL	2	2	10	1				80,000	30,000	55	
		X			Steel 4140 (HT)		ASTM A-193 B7	.38	.8		BAL	.75	.15		.2				125,000	105,000	16	269
		X			17-4 PH SS	AMS 5355			17	4	BAL				4				150,000	110,000	12	320
			X		17-4 PH (HT) SS		AMS 5643		17	4	BAL				4				150,000	110,000	16	320
		X			255 SS (Duplex Stainless)	ASTM A890 1B CD4MCuN		.04	25	3	BAL	1	2	5	1				95,000	65,000	25	

*PHYSICAL PROPERTIES VARY WITH STEM DIAMETER
CONSULT ULTRAFLO FOR FURTHER INFORMATION

NOTES:

THIS INFORMATION TO BE USED FOR REFERENCE PURPOSES ONLY. DOES NOT CONSITIUTE A STATEMENT OF AVAILABILITY. FOR INFORMATION REGARDING AVAILABILITY OF PRODUCT MATERIAL VARIATIONS, OR FOR MATERIAL CERTIFICATION, PLEASE CONSULT OUR CUSTOMER SERVICE DEPARTMENT.

ZONE	REV	DATE	BY	APP'D	DESCRIPTION	 Ultraflo Corporation A Subsidiary of Bray International, Inc.			#8 Trautman Ind. Dr. Ste. Genevieve, Mo. 63670 800-950-1762	
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