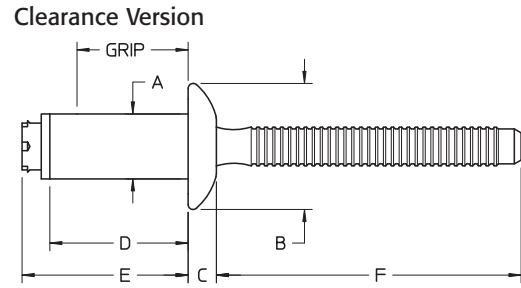
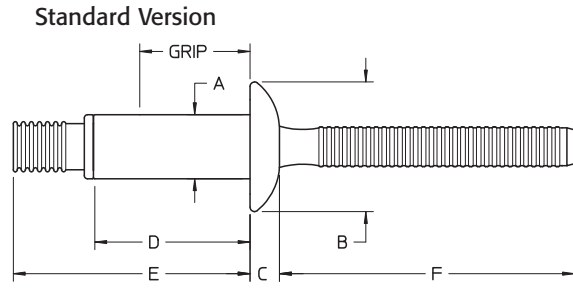


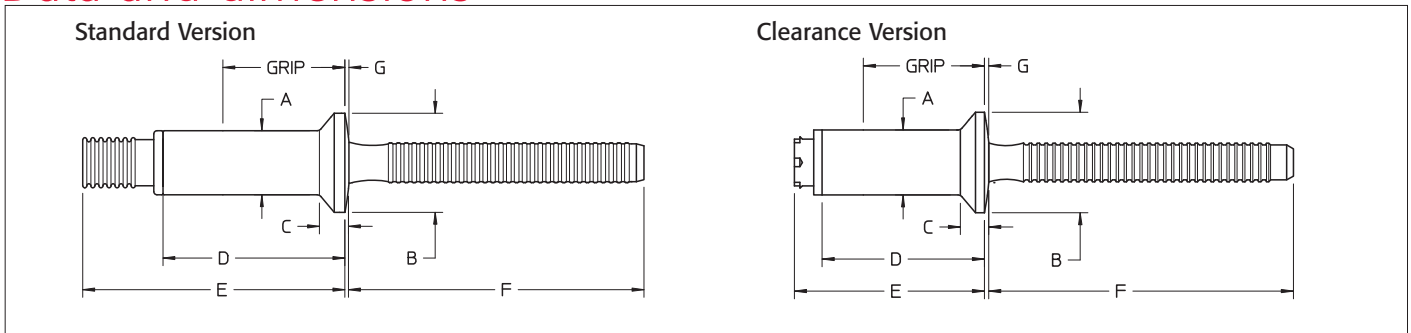
Data and dimensions



Protruding Head Dimensions

Diameter	Standard	Clearance	Grip Range (in)	Grip Range (mm)	Hole Size	A Nom	B Max	C Max	D Max	Standard E Max	Clearance E Max	F Min
6 (3/16")	MBP-R6-M2	MBCP-R6-M2	.075 – .110	1.9 – 2.8	.191 – .201	0.187	0.395	0.101	0.325	0.588	0.403	1.084 / 1.079(MBCP)
	MBP-R6-M3	MBCP-R6-M3	.087 – .150	2.2 – 3.8	.191 – .201	0.187	0.395	0.101	0.365	0.668	0.481	1.044 / 1.039(MBCP)
	MBP-R6-M4	MBCP-R6-M4	.126 – .189	3.2 – 4.8	.191 – .201	0.187	0.395	0.101	0.404	0.691	0.505	1.060 / 1.055(MBCP)
	MBP-R6-M5	MBCP-R6-M5	.165 – .228	4.2 – 5.8	.191 – .201	0.187	0.395	0.101	0.443	0.730	0.544	1.060 / 1.055(MBCP)
	MBP-R6-M6	MBCP-R6-M6	.205 – .268	5.2 – 6.8	.191 – .201	0.187	0.395	0.101	0.483	0.770	0.584	1.060 / 1.055(MBCP)
	MBP-R6-M7	MBCP-R6-M7	.244 – .307	6.2 – 7.8	.191 – .201	0.187	0.395	0.101	0.522	0.809	0.623	1.060 / 1.055(MBCP)
	MBP-R6-M8	MBCP-R6-M8	.283 – .347	7.2 – 8.8	.191 – .201	0.187	0.395	0.101	0.562	0.849	0.663	1.060 / 1.055(MBCP)
	MBP-R6-M9	MBCP-R6-M9	.323 – .386	8.2 – 9.8	.191 – .201	0.187	0.395	0.101	0.601	0.888	0.702	1.060 / 1.055(MBCP)
	MBP-R6-M10	MBCP-R6-M10	.362 – .425	9.2 – 10.8	.191 – .201	0.187	0.395	0.101	0.640	0.927	0.741	1.060 / 1.055(MBCP)
	MBP-R6-M11	-	.402 – .465	10.2 – 11.8	.191 – .201	0.187	0.395	0.101	0.680	0.967	-	1.060
	MBP-R6-M12	-	.441 – .504	11.2 – 12.8	.191 – .201	0.187	0.395	0.101	0.719	1.006	-	1.060
	MBP-R6-M13	-	.481 – .544	12.2 – 13.8	.191 – .201	0.187	0.395	0.101	0.759	1.046	-	1.060
	MBP-R6-M14	-	.520 – .583	13.2 – 14.8	.191 – .201	0.187	0.395	0.101	0.798	1.085	-	1.060
	8 (1/4")	MBP-R8-M2	MBCP-R8-M2	.060 – .138	1.5 – 3.5	.261 – .272	0.253	0.530	0.125	0.437	0.773	0.547
MBP-R8-M3		MBCP-R8-M3	.110 – .189	2.8 – 4.8	.261 – .272	0.253	0.530	0.125	0.488	0.860	0.649	1.147
MBP-R8-M4		MBCP-R8-M4	.150 – .229	3.8 – 5.8	.261 – .272	0.253	0.530	0.125	0.528	0.940	0.728	1.107
MBP-R8-M5		MBCP-R8-M5	.189 – .268	4.8 – 6.8	.261 – .272	0.253	0.530	0.125	0.567	0.912	0.701	1.174
MBP-R8-M6		MBCP-R8-M6	.229 – .308 / .229 – .306(MBCP)	5.8 – 7.8	.261 – .272	0.253	0.530	0.125	0.607	0.947	0.737	1.179
MBP-R8-M7		MBCP-R8-M7	.268 – .346	6.8 – 8.8	.261 – .272	0.253	0.530	0.125	0.646	0.986	0.776	1.179
MBP-R8-M8		MBCP-R8-M8	.308 – .387	7.8 – 9.8	.261 – .272	0.253	0.530	0.125	0.686	1.026	0.816	1.179
MBP-R8-M9		MBCP-R8-M9	.346 – .425	8.8 – 10.8	.261 – .272	0.253	0.530	0.125	0.725	1.065	0.855	1.179
MBP-R8-M10		-	.387 – .466	9.8 – 11.8	.261 – .272	0.253	0.530	0.125	0.765	1.105	-	1.179
MBP-R8-M11		MBCP-R8-M11	.425 – .504	10.8 – 12.8	.261 – .272	0.253	0.530	0.125	0.804	1.144	0.934	1.179
MBP-R8-M12		-	.466 – .545	11.8 – 13.8	.261 – .272	0.253	0.530	0.125	0.844	1.184	-	1.179
MBP-R8-M13		MBCP-R8-M13	.504 – .583	12.8 – 14.8	.261 – .272	0.253	0.530	0.125	0.883	1.223	1.013	1.179
-		MBCP-R8-M16	.622 – .701	15.8 – 17.8	.261 – .272	0.253	0.530	0.125	1.002	-	1.132	1.178
MBP-R8-M18		-	.701 – .780	17.8 – 19.8	.261 – .272	0.253	0.530	0.125	1.079	1.419	-	1.179
MBP-R8-M19		MBCP-R8-M19	.741 – .820 / .740 – .819(MBCP)	18.8 – 20.8	.261 – .272	0.253	0.530	0.125	1.120	1.460	1.250	1.179
-		MBCP-R8-M25	.976 – 1.055	24.8 – 26.8	.261 – .272	0.253	0.530	0.125	1.359	-	1.489	1.176
-		MBCP-R8-M29	1.134 – 1.213	28.8 – 30.8	.261 – .272	0.253	0.530	0.125	1.512	-	1.642	1.179
-		MBCP-R8-M31	1.212 – 1.291	30.8 – 32.8	.261 – .272	0.253	0.530	0.125	1.592	-	1.722	1.179
MBP-R8-M32	-	1.252 – 1.331	31.8 – 33.8	.261 – .272	0.253	0.530	0.125	1.632	1.972	-	1.179	
10 (5/16")	MBP-R10-3	-	.150 – .250	3.8 – 6.4	0.3275 – .340	0.316	0.655	0.152	0.620	1.104	-	1.379
	MBP-R10-4	-	.200 – .300	5.1 – 7.6	0.3275 – .340	0.316	0.655	0.152	0.670	1.154	-	1.379
	MBP-R10-5	-	.250 – .350	6.4 – 8.9	0.3275 – .340	0.316	0.655	0.152	0.720	1.204	-	1.379
	MBP-R10-6	-	.300 – .400	7.6 – 10.2	0.3275 – .340	0.316	0.655	0.152	0.770	1.254	-	1.379
	MBP-R10-7	-	.350 – .450	8.9 – 11.4	0.3275 – .340	0.316	0.655	0.152	0.820	1.304	-	1.379
	MBP-R10-8	-	.400 – .500	10.2 – 12.7	0.3275 – .340	0.316	0.655	0.152	0.870	1.354	-	1.379
	MBP-R10-9	-	.450 – .550	11.4 – 14.0	0.3275 – .340	0.316	0.655	0.152	0.920	1.404	-	1.379
	MBP-R10-10	-	.500 – .600	12.7 – 15.2	0.3275 – .340	0.316	0.655	0.152	0.970	1.454	-	1.379

Data and dimensions



Oval Head Dimensions

Diameter	Standard	Clearance	Grip Range (in)	Grip Range (mm)	Hole Size	A Nom	B Max	C Max	D Max	Standard E Max	Clearance E Max	F Min	G (REF)	
8 (1/4")	MBV-R8-M4	-	.150 – .229	3.8 – 5.8	.261 – .272	0.253	0.410	0.130	0.528	0.864	-	1.199	0.030	
	MBV-R8-M5	-	.189 – .268	4.8 – 6.8	.261 – .272	0.253	0.410	0.130	0.567	0.939	-	1.160	0.030	
	MBV-R8-M6	-	.229 – .308	5.8 – 7.8	.261 – .272	0.253	0.410	0.130	0.607	1.019	-	1.120	0.030	
	MBV-R8-M7	-	.269 – .348	6.8 – 8.8	.261 – .272	0.253	0.410	1.130	0.647	0.992	-	1.186	0.030	
	-	MBCV-R8-M7.5		.290 – .370	7.4 – 9.4	.261 – .272	0.253	0.410	0.130	0.667	-	0.801	1.166	0.030
	MBV-R8-M9	-	.346 – .425	8.8 – 10.8	.261 – .272	0.253	0.410	0.130	0.725	1.065	-	1.192	0.030	
	MBV-R8-M10	-	.387 – .466	9.8 – 11.8	.261 – .272	0.253	0.410	0.130	0.765	1.105	-	1.192	0.030	
	MBV-R8-M13	-	.504 – .583	12.8 – 14.8	.261 – .272	0.253	0.410	0.130	0.883	1.223	-	1.192	0.030	
	MBV-R8-M19	MBCV-R8-M19	.741 – .820 / .740 – .818(MBCV)	18.8 – 20.8	.261 – .272	0.253	0.410	0.130	1.120	1.460	1.250	1.192	0.030	
10 (5/16")	MBV-R10-5	-	.250 – .350	6.4 – 8.9	0.3275 – .340	0.316	0.460	0.160	0.770	1.254	-	1.334	0.047	
	MBV-R10-6	-	.300 – .400	7.6 – 10.2	0.3275 – .340	0.316	0.460	0.160	0.820	1.304	-	1.334	0.047	
	MBV-R10-7	-	.350 – .450	8.9 – 11.4	0.3275 – .340	0.316	0.460	0.160	0.870	1.354	-	1.334	0.047	
	MBV-R10-8	-	.400 – .500	10.2 – 12.7	0.3275 – .340	0.316	0.460	0.160	0.920	1.404	-	1.334	0.047	
	MBV-R10-9	-	.450 – .550	11.4 – 14.0	0.3275 – .340	0.316	0.460	0.160	0.970	1.454	-	1.334	0.047	
	MBV-R10-10	-	.500 – .600	12.7 – 15.2	0.3275 – .340	0.316	0.460	0.160	1.020	1.504	-	1.334	0.047	
	MBV-R10-11	-	.550 – .650	14.0 – 16.5	0.3275 – .340	0.316	0.460	0.160	1.070	1.554	-	1.334	0.047	
	MBV-R10-12	-	.600 – .700	15.2 – 17.8	0.3275 – .340	0.316	0.460	0.160	1.120	1.604	-	1.334	0.047	
	MBV-R10-13	-	.650 – .750	16.5 – 19.1	0.3275 – .340	0.316	0.460	0.160	1.170	1.654	-	1.334	0.047	

Blind Fastener Values

			Shear		Tensile		Pin Retention	
			Min	Typ	Min	Typ	Min	Typ
6 (3/16")	MBP/MBV	ALL GRIPS	1950	2100	1050	1150	150	300
	MBC	ALL GRIPS	1650	1900	850	1025	150	300
8 (1/4")	MBP/MBV	-M2	2600	N/A	1900	N/A	300	550
		-M3	2700	N/A	1900	2300	300	550
		-M4	2760	N/A	1900	2300	300	550
		-M5	3000	3450	1900	2350	300	550
		-M6	3200	3450	1900	2350	300	550
		-M7 AND HIGHER	3500	3650	1900	2500	300	550
	MBC	-M2	2300	N/A	1600	1750	300	550
		-M3	2400	N/A	1600	1750	300	550
		-M4	2500	N/A	1600	1800	300	550
		-M5	3000	3200	1600	1825	300	550
		-M6	3000	3450	1600	1850	300	550
		-M7 AND HIGHER	3000	3450	1600	1950	300	550
10 (5/16")	MBP/MBV	ALL GRIPS	5000	5500	2960	3850	470	1200

Ordering Information

Follow the form below to construct a part number for ordering Huck Magna-Bulb blind fasteners. Refer to the data and dimensions chart for grip numbers.

STANDARD VERSION

MB (HEAD STYLE) - (MATERIAL) (DIAMETER) - (GRIP NUMBER)

Example: MBP-R6-M4 is a Protruding Head Magna-Bulb, Steel, 3/16" Diameter, M4 Grip.

CLEARANCE VERSION

MBC (HEAD STYLE) - (MATERIAL) (DIAMETER) - (GRIP NUMBER)

Example: MBCP-R8-M3 is a Protruding Head Clearance Magna-Bulb, Steel, 1/4" Diameter, M3 Grip.

Head Style	Prefix	Material	Code	Diameter	Code
Protruding Head	P	Steel	R	3/16"	6
Oval Head	V			1/4"	8
				5/16"	10

Materials and Finishes

Material	Sleeve	Pin	Sleeve Finish	Pin Finish
Steel	Low Carbon Steel	Medium Carbon Steel	Zinc Plate/ Chromate/Gold Dye	Zinc Plated Clear Chromate