

Figure 1 is a technical drawing of a mechanical part, showing multiple views and dimensions. The drawing includes the following elements:

- Top View:** Shows a rectangular base with a central slot. Dimensions include a total width of $8 \pm .01$, a central slot width of $.68 \pm .01$, and a distance from the left edge to the start of the slot of $.71 \pm .01$. A hole is located at the top center with a diameter of $.8 \pm .01$.
- Front View:** Shows the profile of the part with a total height of $.8 \pm .01$. A central slot is shown with a width of $.68 \pm .01$. A hole is located at the top center with a diameter of $.8 \pm .01$.
- Side View:** Shows the side profile of the part with a total width of $.8 \pm .01$. A central slot is shown with a width of $.68 \pm .01$. A hole is located at the top center with a diameter of $.8 \pm .01$.
- Detail View (A):** A magnified view of the top corner, showing a fillet radius of $R(.75) \pm .01$ and a hole diameter of $.8 \pm .01$.
- Detail View (B):** A magnified view of the bottom corner, showing a fillet radius of $R(.75) \pm .01$ and a hole diameter of $.8 \pm .01$.
- Sectional View:** A cross-sectional view of the part, showing the internal structure and dimensions. The total width is $.8 \pm .01$, and the central slot width is $.68 \pm .01$.
- Sectional View (A):** A magnified view of the top corner, showing a fillet radius of $R(.75) \pm .01$ and a hole diameter of $.8 \pm .01$.
- Sectional View (B):** A magnified view of the bottom corner, showing a fillet radius of $R(.75) \pm .01$ and a hole diameter of $.8 \pm .01$.

FIG. 1

FIG. 2

FIG. 3

FIG. 4

FIG. 5

FIG. 6

FIG. 7

FIG. 8

FIG. 9

FIG. 10

FIG. 11

FIG. 12

FIG. 13

FIG. 14

FIG. 15

FIG. 16

FIG. 17

FIG. 18

FIG. 19

FIG. 20

FIG. 21

FIG. 22

FIG. 23

FIG. 24

FIG. 25

FIG. 26

FIG. 27

FIG. 28

FIG. 29

FIG. 30

FIG. 31

FIG. 32

FIG. 33

FIG. 34

FIG. 35

FIG. 36

FIG. 37

FIG. 38

FIG. 39

FIG. 40

FIG. 41

FIG. 42

FIG. 43

FIG. 44

FIG. 45

FIG. 46

FIG. 47

FIG. 48

FIG. 49

FIG. 50

FIG. 51

FIG. 52

FIG. 53

FIG. 54

FIG. 55

FIG. 56

FIG. 57

FIG. 58

FIG. 59

FIG. 60

FIG. 61

FIG. 62

FIG. 63

FIG. 64

FIG. 65

FIG. 66

FIG. 67

FIG. 68

FIG. 69

FIG. 70

FIG. 71

FIG. 72

FIG. 73

FIG. 74

FIG. 75

FIG. 76

FIG. 77

FIG. 78

FIG. 79

FIG. 80

FIG. 81

FIG. 82

FIG. 83

FIG. 84

FIG. 85

FIG. 86

FIG. 87

FIG. 88

FIG. 89

FIG. 90

FIG. 91

FIG. 92

FIG. 93

FIG. 94

FIG. 95

FIG. 96

FIG. 97

FIG. 98

FIG. 99

FIG. 100

FIG. 101

FIG. 102

FIG. 103

FIG. 104

FIG. 105

FIG. 106

FIG. 107

FIG. 108

FIG. 109

FIG. 110

FIG. 111

FIG. 112

FIG. 113

FIG. 114

FIG. 115

FIG. 116

FIG. 117

FIG. 118

FIG. 119

FIG. 120

FIG. 121

FIG. 122

FIG. 123

FIG. 124

FIG. 125

FIG. 126

FIG. 127

FIG. 128

FIG. 129

FIG. 130

FIG. 131

FIG. 132

FIG. 133

FIG. 134

FIG. 135

FIG. 136

FIG. 137

FIG. 138

FIG. 139

FIG. 140

FIG. 141

FIG. 142

FIG. 143

FIG. 144

FIG. 145

FIG. 146

FIG. 147

FIG. 148

FIG. 149

FIG. 150

FIG. 151

FIG. 152

FIG. 153

FIG. 154

FIG. 155

FIG. 156

FIG. 157

FIG. 158

FIG. 159

FIG. 160

FIG. 161

FIG. 162

FIG. 163

FIG. 164

FIG. 165

FIG. 166

FIG. 167

FIG. 168

FIG. 169

FIG. 170

FIG. 171

FIG. 172

FIG. 173

FIG. 174

FIG. 175

FIG. 176

FIG. 177

FIG. 178

FIG. 179

FIG. 180

FIG. 181

FIG. 182

FIG. 183

FIG. 184

FIG. 185

FIG. 186

FIG. 187

FIG. 188

FIG. 189

FIG. 190

FIG. 191

FIG. 192

FIG. 193

FIG. 194

FIG. 195

FIG. 196

FIG. 197

FIG. 198

FIG. 199

FIG. 200

FIG. 201

FIG. 202

FIG. 203

FIG. 204

FIG. 205

FIG. 206

FIG. 207

FIG. 208

FIG. 209

FIG. 210

FIG. 211

FIG. 212

FIG. 213

FIG. 214

FIG. 215

FIG. 216

FIG. 217

FIG. 218

FIG. 219

FIG. 220

FIG. 221

FIG. 222

FIG. 223

FIG. 224

FIG. 225

FIG. 226

FIG. 227

FIG. 228

FIG. 229

FIG. 230

FIG. 231

FIG. 232

FIG. 233

FIG. 234

FIG. 235

FIG. 236

FIG. 237

FIG. 238

FIG. 239

FIG. 240

FIG. 241

FIG. 242

FIG. 243

FIG. 244

FIG. 245

FIG. 246

FIG. 247

FIG. 248

FIG. 249

FIG. 250

FIG. 251

FIG. 252

FIG. 253

FIG. 254

FIG. 255

FIG. 256

FIG. 257

FIG. 258

FIG. 259

FIG. 260

FIG. 261

FIG. 262

FIG. 263

FIG. 264

FIG. 265

FIG. 266

FIG. 267

FIG. 268

FIG. 269

FIG. 270

FIG. 271

FIG. 272

FIG. 273

FIG. 274

FIG. 275

FIG. 276

FIG. 277

FIG. 278

FIG. 279

FIG. 280

FIG. 281

FIG. 282

FIG. 283

FIG. 284

FIG. 285

FIG. 286

FIG. 287

FIG. 288

FIG. 289

FIG. 290

FIG. 291

FIG. 292

FIG. 293

FIG. 294

FIG. 295

FIG. 296

FIG. 297

FIG. 298

FIG. 299

FIG. 300

FIG. 301

FIG. 302

FIG. 303

FIG. 304

FIG. 305

FIG. 306

FIG. 307

FIG. 308

FIG. 309

FIG. 310

FIG. 311

FIG. 312

FIG. 313

FIG. 314

FIG. 315

FIG. 316

FIG. 317

FIG. 318

FIG. 319

FIG. 320

FIG. 321

FIG. 322

FIG. 323

FIG. 324

FIG. 325

FIG. 326

FIG. 327

FIG. 328

FIG. 329

FIG. 330

FIG. 331

FIG. 332

FIG. 333

FIG. 334

FIG. 335

FIG. 336

FIG. 337

FIG. 338

FIG. 339

FIG. 340



Figure 1 consists of four schematic diagrams labeled (a) through (d), illustrating different experimental setups for studying the effect of a magnetic field on the growth of a B⁺ ion beam. Each diagram shows a cross-section of the beam and its interaction with a magnetic field.

- (a) shows a cross-section of the beam with a diameter of 1.5 cm and a length of 1.5 cm. The magnetic field is 1.5 T. The beam is shown as a rectangular region with a central core and an outer shell. The magnetic field is applied perpendicular to the beam's direction.
- (b) shows a cross-section of the beam with a diameter of 1.5 cm and a length of 1.5 cm. The magnetic field is 1.5 T. The beam is shown as a rectangular region with a central core and an outer shell. The magnetic field is applied perpendicular to the beam's direction.
- (c) shows a cross-section of the beam with a diameter of 1.5 cm and a length of 1.5 cm. The magnetic field is 1.5 T. The beam is shown as a rectangular region with a central core and an outer shell. The magnetic field is applied perpendicular to the beam's direction.
- (d) shows a cross-section of the beam with a diameter of 1.5 cm and a length of 1.5 cm. The magnetic field is 1.5 T. The beam is shown as a rectangular region with a central core and an outer shell. The magnetic field is applied perpendicular to the beam's direction.

F9GI AC 89 SuC				
SuC	6=H	7CAD		D9GC
	aa	a		-fz
..\$S	..**	..%\$..%
..\$S	..**	..%		..%
..\$S	..**	..&+		..%\$
..\$S	..%\$..%*		..\$
..\$S	..%\$..%\$..%\$
..\$S	..%\$..(..*
DYgc HchU		*\$ 1		% = fZ
DYgc HchU		\$5 1		(* % = fZ

[illegible][illegible]

The diagram illustrates the experimental setup for studying the interaction of a piston and a gas reservoir. It consists of two main parts: a horizontal tube (top) and a vertical tube (bottom). Both tubes have a piston on the left end and a gas reservoir on the right end. The piston is driven by a sinusoidal wave labeled 'D%' and a pressure sensor labeled 'P'. The gas reservoir is labeled 'B%' and 'S'. The horizontal tube also shows a pressure sensor labeled 'P' and a gas reservoir labeled 'B%' and 'S'. The vertical tube shows a pressure sensor labeled 'P' and a gas reservoir labeled 'B%' and 'S'.

[illegible]

F9J=GE9G	
A=B-GHVF=C`DI 6@=7C`8C`9GH58C`89`A=B5G`9F5=G` G989`85G`DFCACHCF=5G`89`> GH=u5`89`> N`89`7CF5	
9B89F9uC.	7AF95`H9FF9BC. 8`-`-`2`\$a&
FI 5`>CGV`75@=@`5<CI 5;`=2`@H9`2`65=L585`8C`D5F5=6I B5	7AF95`7CBGHFI`aB5. +`8`*`2`*`a&
DFCDF=9H8F=C.	7BD>. 8\$`-`+%\$`\$)+\$\$\$\$()
DFC7I F58CF=5`9F5@`89`> GH=u5`8C`9GH58C`89`A=B5G`9F5=G	
DFC>9HC`89`9GHFI HI F5`89`7CB7F9HC`5FA58C	
9ADF9G5.	7BD>. \$***`\$%\$%\$ #\$\$\$%\$ \$
9B`9B<9-FC`:`a6<`>CGV`A57=9@`89`C@=J9=F5` 7F95`:`9B+`*`%`I A` 9`:=7a7=5`DFC>9HCG`9`7CBGI @HCF=5`@H85	7F95. ,8`*`&(#8I A;
F9GDCBGAJ9@`Hv7B=7C.	
B9@GCB`TF=5G`D=BHC`5F=;`@=C`85`G=@5	
7CBH9I 8C. 5FA5uEC`89`J;`5G`!`+c`D5J=A9BHC`!`\$%#&-\$	85H5. `\$#\$`#&` 9C75@5` -B8=7585
	C@=5. `,`#%&`

F08	M000CK	F09B	714GB	Gail 9	A5: 9BH5	K<=H9
\$'d)	\$'(\$	%	'(\$	'(\$	%\$	\$'(\$
						%\$