

# Machine Accessories

## 5C ROUND COLLETS

- Made of highest grade steel available for collect manufacture.
- Precision ground to close tolerance.



Inch					
Size	Premium Grade		Size	Premium Grade	
	Economy Model No.	0.0005" T.I.R Model No.		Economy Model No.	0.0005" T.I.R Model No.
1/32"	230-4102	230-4902	37/64"	230-4137	230-4937
3/64"	230-4103	230-4903	19/32"	230-4138	230-4938
1/16"	230-4104	230-4904	39/64"	230-4139	230-4939
5/64"	230-4105	230-4905	5/8"	230-4140	230-4940
3/32"	230-4106	230-4906	41/64"	230-4141	230-4941
7/64"	230-4107	230-4907	21/32"	230-4142	230-4942
1/8"	230-4108	230-4908	43/64"	230-4143	230-4943
9/64"	230-4109	230-4909	11/16"	230-4144	230-4944
5/32"	230-4110	230-4910	45/64"	230-4145	230-4945
11/64"	230-4111	230-4911	23/32"	230-4146	230-4946
3/16"	230-4112	230-4912	47/64"	230-4147	230-4947
13/64"	230-4113	230-4913	3/4"	230-4148	230-4948
7/32"	230-4114	230-4914	49/64"	230-4149	230-4949
15/64"	230-4115	230-4915	25/32"	230-4150	230-4950
1/4"	230-4116	230-4916	51/64"	230-4151	230-4951
17/64"	230-4117	230-4917	13/16"	230-4152	230-4952
9/32"	230-4118	230-4918	53/64"	230-4153	230-4953
19/64"	230-4119	230-4919	27/32"	230-4154	230-4954
5/16"	230-4120	230-4920	55/64"	230-4155	230-4955
21/64"	230-4121	230-4921	7/8"	230-4156	230-4956
11/32"	230-4122	230-4922	57/64"	230-4157	230-4957
23/64"	230-4123	230-4923	29/32"	230-4158	230-4958
3/8"	230-4124	230-4924	59/64"	230-4159	230-4959
25/64"	230-4125	230-4925	15/16"	230-4160	230-4960
13/32"	230-4126	230-4926	61/64"	230-4161	230-4961
27/64"	230-4127	230-4927	31/32"	230-4162	230-4962
7/16"	230-4128	230-4928	63/64"	230-4163	230-4963
29/64"	230-4129	230-4929	1"	230-4164	230-4964
15/32"	230-4130	230-4930	1-1/64"	230-4301	230-4971
31/64"	230-4131	230-4931	1-1/32"	230-4302	230-4972
1/2"	230-4132	230-4932	1-3/64"	230-4303	230-4973
33/64"	230-4133	230-4933	1-1/16"	230-4304	230-4974
17/32"	230-4134	230-4934	1-5/64"	230-4305	230-4975
35/64"	230-4135	230-4935	1-3/32"	230-4306	230-4976
9/16"	230-4136	230-4936	1-7/64"	230-4307	230-4977
			1-1/8"	230-4308	230-4978

Metric			
Size	Model No.	Size	Model No.
1.5mm	230-3015	2mm	230-4202
2.5mm	230-3025	3mm	230-4203
3.5mm	230-3035	4mm	230-4204
4.5mm	230-3045	5mm	230-4205
5.5mm	230-3055	6mm	230-4206
6.5mm	230-3065	7mm	230-4207
7.5mm	230-3075	8mm	230-4208
8.5mm	230-3085	9mm	230-4209
9.5mm	230-3095	10mm	230-4210
10.5mm	230-3105	11mm	230-4211
11.5mm	230-3115	12mm	230-4212
12.5mm	230-3125	13mm	230-4213
13.5mm	230-3135	14mm	230-4214
14.5mm	230-3145	15mm	230-4215
15.5mm	230-3155	16mm	230-4216
16.5mm	230-3165	17mm	230-4217
17.5mm	230-3175	18mm	230-4218
18.5mm	230-3185	19mm	230-4219
19.5mm	230-3195	20mm	230-4220
20.5mm	230-3205	21mm	230-4221
21.5mm	230-3215	22mm	230-4222
22.5mm	230-3225	23mm	230-4223
23.5mm	230-3235	24mm	230-4224
24.5mm	230-3245	25mm	230-4225
25.5mm	230-3255	26mm	230-4226
26.5mm	230-3265	27mm	230-4227
27.5mm	230-3275	28mm	230-4228
28.5mm	230-3285	29mm	230-4229
29.5mm	230-3295	30mm	230-4230

## 5C ROUND COLLET SETS

Range	No. Of pieces	Model No.
1/8-1" by 8ths	8pcs	230-4008
1/8" to 1" by 16ths	15pcs	230-4015
1/8-1-1/16" by 16ths	16pcs	230-4016
1/16" to 1-1/16" by 16ths	17pcs	230-4017
1/16" to 1-1/8" by 16ths	18pcs	230-4018
1/8" to 1" by 32nds	29pcs	230-4029
1/8" to 1-1/32" by 32nds	30pcs	230-4030
1/8-1-1/6" by 32nds	31pcs	230-4031
1/16" to 1-1/16" by 32nds	33pcs	230-4033
1/16" to 1-1/8" by 32nds	35pcs	230-4035
1/8" to 1" by 64ths	57pcs	230-4057
1/16" to 1-3/64" by 64ths	64pcs	230-4064
1/16" to 1-1/16" by 64ths	65pcs	230-4065
1/16" to 1-1/8" by 64ths	69pcs	230-4069

## 5C COLLET STOPS



### Model No. 239-9051

Converts standard 1" capacity lathe collets into soled or spring ejector stop collets without alteration of the standard collets.

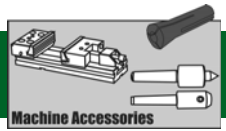
### Model No. 239-9052

Fits any 5C collet. Supplied with threaded rod. Hardened for long life. Black oxide

## 5C EMERGENCY COLLETS



Type	Model No.
5c steel	230-4395
5c brass	230-4396
5c nylon	230-4397



## R8 ROUND COLLETS

Inch		Premium Grade .0005" T.I.R
Size	Economy Model No.	Model No.
1/16"	231-4704	231-4904
3/32"	231-4706	231-4906
1/8"	231-4708	231-4908
5/32"	231-4710	231-4910
3/16"	231-4712	231-4912
7/32"	231-4714	231-4914
1/4"	231-4716	231-4916
9/32"	231-4718	231-4918
5/16"	231-4720	231-4920
11/32"	231-4722	231-4922
3/8"	231-4724	231-4924
13/32"	231-4726	231-4926
7/16"	231-4728	231-4928
15/32"	231-4730	231-4930
1/2"	231-4732	231-4932
17/32"	231-4734	231-4934
9/16"	231-4736	231-4936
19/32"	231-4738	231-4938
5/8"	231-4740	231-4940
21/32"	231-4742	231-4942
11/16"	231-4744	231-4944
23/32"	231-4746	231-4946
3/4"	231-4748	231-4948
25/32"	231-4750	231-4950
13/16"	231-4752	231-4952
27/32"	231-4754	231-4954
7/8"	231-4756	231-4956
1"	231-4764	231-4964

For Bridgeport  
Type 7/16"-20  
Thread Hardened  
& Ground

Metric	
Size	Model No.
2mm	231-4802
3mm	231-4803
4mm	231-4804
5mm	231-4805
6mm	231-4806
7mm	231-4807
8mm	231-4808
9mm	231-4809
10mm	231-4810
11mm	231-4811
12mm	231-4812
13mm	231-4813
14mm	231-4814
15mm	231-4815
16mm	231-4816
17mm	231-4817
18mm	231-4818
19mm	231-4819
20mm	231-4820
21mm	231-4821
22mm	231-4822
23mm	231-4823
24mm	231-4824



### SETS

Range	No. Of Pieces	Model No.
1/8-3/4" by 8ths	6pcs	231-0006
1/8" to 7/8" by 8ths	7pcs	231-0007
1/8-3/4" by 16ths	11pcs	231-0011
1/16" to 3/4" by 16ths	12pcs	231-0012
1/8" to 7/8" by 16ths	13pcs	231-0013
1/16" to 7/8" by 16ths	14pcs	231-0014
1/8 to 3/4" by 32nds	21pcs	231-0021
1/16-3/4" by 32ths	23pcs	231-0023
1/8" to 7/8" by 32nds	25pcs	231-0025
1/16" to 7/8" by 32nds	27pcs	231-0027
1/8" to 3/4" by 16ths plus 7/8"	12pcs	231-0112
1/16" to 1" by 1/32"	28pcs	231-0128

## R8 EMERGENCY COLLETS



- Can be drilled, bored or machined with a H.S.S Tool Bit.
- Face & Pilot Hole are soft to Permit machining to your requirement.

Type	Model No.
R8 steel	231-4395
R8 brass	231-4396
R8 nylon	231-4397

## R8 SQUARE COLLETS

Inch	
Size	Model No.
1/8"	530-7208
5/32"	530-7210
3/16"	530-7212
1/4"	530-7216
9/32"	530-7218
5/16"	530-7220
11/32"	530-7222
3/8"	530-7224
13/32"	530-7226
7/16"	530-7228
15/32"	530-7230
1/2"	530-7232
17/32"	530-7234
9/16"	530-7236

Metric	
Size	Model No.
3mm	530-7030
4mm	530-7040
5mm	530-7050
5.5mm	530-7055
6mm	530-7060
7mm	530-7070
8mm	530-7080
9mm	530-7090
9.5mm	530-7095
10mm	530-7100
11mm	530-7110
12mm	530-7120
13mm	530-7130
13.5mm	530-7135
14mm	530-7140

## R8 HEX COLLETS

Inch	
Size	Model No.
1/8"	530-6208
5/32"	530-6210
3/16"	530-6212
1/4"	530-6216
9/32"	530-6218
5/16"	530-6220
11/32"	530-6222
3/8"	530-6224
13/32"	530-6226
7/16"	530-6228
15/32"	530-6230
1/2"	530-6232
17/32"	530-6234
9/16"	530-6236
19/32"	530-6238
5/8"	530-6240
21/32"	530-6242
11/16"	530-6244
23/32"	530-6246
3/4"	530-6248
25/32"	530-6250

Metric	
Size	Model No.
3mm	530-6030
4mm	530-6040
5mm	530-6050
6mm	530-6060
7mm	530-6070
8mm	530-6080
9mm	530-6090
10mm	530-6100
11mm	530-6110
12mm	530-6120
13mm	530-6130
13.5mm	530-6135
14mm	530-6140
15mm	530-6150
16mm	530-6160
17mm	530-6170
17.5mm	530-6175
18mm	530-6180
19mm	530-6190
20mm	530-6200

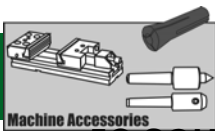


## R8 SQUARE COLLET SET

Model No.530-7004  
4pcs 1/8" to 1/2" by 8ths

## R8 HEX COLLET SET

Model No.530-6006  
6pcs 1/8" to 3/4" by 8ths



# Machine Accessories

## 5C SQUARE COLLETS

Model No.530-4252 6pcs set 1/8-3/4" by 8ths

Model No.530-4256 11pcs set 1/8-3/4 by 16<sup>th</sup>

Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	530-4208	3mm	530-4030
5/32"	530-4210	4mm	530-4040
3/16"	530-4212	5mm	530-4050
7/32"	530-4214	5.5mm	530-4055
1/4"	530-4216	6mm	530-4060
9/32"	530-4218	7mm	530-4070
5/16"	530-4220	8mm	530-4080
11/32"	530-4222	9mm	530-4090
3/8"	530-4224	9.5mm	530-4095
13/32"	530-4226	10mm	530-4100
7/16"	530-4228	11mm	530-4110
15/32"	530-4230	12mm	530-4120
1/2"	530-4232	13mm	530-4130
17/32"	530-4234	13.5mm	530-4135
9/16"	530-4236	14mm	530-4140
19/32"	530-4238	15mm	530-4150
5/8"	530-4240	16mm	530-4160
21/32"	530-4242	17mm	530-4170
11/16"	530-4244	17.5mm	530-4175
23/32"	530-4246	18mm	530-4180
3/4"	530-4248	19mm	530-4190
		20mm	530-4200



## 5C HEX COLLETS

7-pc set

1/8" to 7/8" by 8ths

Model No.530-4360

13-pc set

1/8" to 7/8" by 16ths

Model No.530-4364



Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	530-4308	3mm	530-5030
5/32"	530-4310	4mm	530-5040
3/16"	530-4312	5mm	530-5050
7/32"	530-4314	6mm	530-5060
1/4"	530-4316	7mm	530-5070
9/32"	530-4318	8mm	530-5080
5/16"	530-4320	9mm	530-5090
11/32"	530-4322	10mm	530-5100
3/8"	530-4324	11mm	530-5110
13/32"	530-4326	12mm	530-5120
7/16"	530-4328	13mm	530-5130
15/32"	530-4330	13.5mm	530-5135
1/2"	530-4332	14mm	530-5140
17/32"	530-4334	15mm	530-5150
9/16"	530-4336	16mm	530-5160
19/32"	530-4338	17mm	530-5170
5/8"	530-4340	17.5mm	530-5175
21/32"	530-4342	18mm	530-5180
11/16"	530-4344	19mm	530-5190
23/32"	530-4346	20mm	530-5200
3/4"	530-4348	20.5mm	530-5205
25/32"	530-4350	21mm	530-5210
13/16"	530-4352	22mm	530-5220
27/32"	530-4354		
7/8"	530-4356		

## 5C STEP COLLETS

Soft head may be bored or stepped out.



1"	1-1/8"	1-3/16"	
Head Thickness	Head Thickness	Head Thickness	
Model No.	Model No.	Model No.	
2"	230-4362	230-4372	230-4382
3"	230-4363	230-4373	230-4383
4"	230-4364	230-4374	230-4384
5"	230-4365	230-4375	230-4385
6"	230-4366	230-4376	230-4386

## 5C EXPANDING COLLETS



Descriptions	Model No.
1/4" to 1-15/16" 4pcs set	230-4450
0.025" to 0.463"x1" (#1)	230-4451
0.437" to 0.800"x1" (#2)	230-4452
0.750 to .1.437"x1" (#3)	230-4453
0.750 to .1.935"x1" (#4)	230-4454

- Precision ground.
- Head width 1" .
- Soft head for easy machining.
- Effective expansion up to .006".

## 5C FIXTURE MOUNTS COLLETS



- A lathe tool for use in place of face plate fixture.
- Quick mounting and dismounting.
- Repeat accuracy.
- Soft head for easy machining.

Head Dia.	Head Length	Model No.
2"	1"	230-4460
2"	2"	230-4461
2"	3"	230-4462
3"	1"	230-4463
3"	2"	230-4464
3"	3"	230-4465
4"	1"	230-4466
4"	3"	230-4467
5"	1"	230-4468
6"	1"	230-4469
4"	2"	230-4470

- Heat treated tool steel shank.
- Precision ground all over.
- Black oxide finished.

## 5C COLLET BLOCK SETS

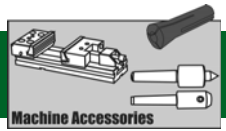


Set Model No. 235-7050

- A simple and effective short jig, for machinist parallel, square or hex shapes as well as for cross hole drilling at 60 ; ã
- Made of hardened steel.
- Overall dimensions: 1-3/4"x1-3/4" x3".
- Ground to .0005" flatness, squareness and parallelism.
- Capacity: 1/6" through 1-1/8".
- Standard nut closer and cam operated, quick- acting closer can be used on both square and hex blocks.

Descriptions	Model No.
lever operated closer	235-7051
nut closer	235-7052
square block	235-7054
hex block	235-7056

# Machine Accessories



## 3C ROUND COLLETS



Inch						Metric			
Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.
3/64"	232-4703	7/32"	232-4714	25/64"	232-4725	1mm	232-6010	7.5mm	232-6075
1/16"	232-4704	15/64"	232-4715	13/32"	232-4726	1.5mm	232-6015	8mm	232-6080
5/64"	232-4705	1/4"	232-4716	27/64"	232-4727	2mm	232-6020	8.5mm	232-6085
3/32"	232-4706	17/64"	232-4717	7/16"	232-4728	2.5mm	232-6025	9mm	232-6090
7/64"	232-4707	9/32"	232-4718	29/64"	232-4729	3mm	232-6030	9.5mm	232-6095
1/8"	232-4708	19/64"	232-4719	15/32"	232-4730	3.5mm	232-6035	10mm	232-6100
9/64"	232-4709	5/16"	232-4720	31/64"	232-4731	4mm	232-6040	10.5mm	232-6105
5/32"	232-4710	21/64"	232-4721	1/2"	232-4732	4.5mm	232-6045	11mm	232-6110
11/64"	232-4711	11/32"	232-4722	33/64"	232-4733	5mm	232-6050	11.5mm	232-6115
3/16"	232-4712	23/64"	232-4723	17/32"	232-4734	5.5mm	232-6055	12mm	232-6120
13/64"	232-4713	3/8"	232-4724	35/64"	232-4735	6mm	232-6060	12.5mm	232-6125
				9/16"	232-4736	6.5mm	232-6065	13mm	232-6130
						7mm	232-6070		

## 3C SQUARE COLLETS



Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	232-6208	3mm	232-6230
5/32"	232-6210	4mm	232-6240
3/16"	232-6212	5mm	232-6250
7/32"	232-6214	5.5mm	232-6255
1/4"	232-6216	6mm	232-6260
9/32"	232-6218	7mm	232-6270
5/16"	232-6220	8mm	232-6280
11/32"	232-6222	9mm	232-6290
3/8"	232-6224		

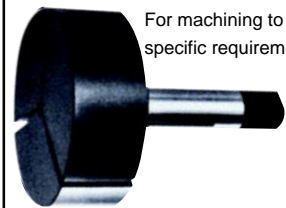
## 3C HEX COLLETS



Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	232-7008	3mm	232-7030
5/32"	232-7010	4mm	232-7040
3/16"	232-7012	5mm	232-7050
7/32"	232-7014	5.5mm	232-7055
1/4"	232-7016	6mm	232-7060
9/32"	232-7018	7mm	232-7070
5/16"	232-7020	8mm	232-7080
11/32"	232-7022	9mm	232-7090
3/8"	232-7024	10mm	232-7100
13/32"	232-7026	11mm	232-7110
7/16"	232-7028	12mm	232-7120

## 3C STEP COLLETS

Soft head  
For machining to specific requirements.



Head		
Dia.	Thickness	Model No.
2"	1"	230-5521
2"	1-1/8"	230-5522
2"	1-1/4"	230-5523
3"	1"	230-5531
3"	1-1/8"	230-5532
3"	1-1/4"	230-5533

## 3AT ROUND COLLETS



Inch						Metric					
Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.
3/64"	232-4803	13/64"	232-4813	23/64"	232-4823	1mm	232-4010	5mm	232-4050	9mm	232-4090
1/16"	232-4804	7/32"	232-4814	3/8"	232-4824	1.5mm	232-4015	5.5mm	232-4055	9.5mm	232-4095
5/64"	232-4805	15/64"	232-4815	25/64"	232-4825	2mm	232-4020	6mm	232-4060	10mm	232-4100
3/32"	232-4806	1/4"	232-4816	13/32"	232-4826	2.5mm	232-4025	6.5mm	232-4065	10.5mm	232-4105
7/64"	232-4807	17/64"	232-4817	27/64"	232-4827	3mm	232-4030	7mm	232-4070	11mm	232-4110
1/8"	232-4808	9/32"	232-4818	7/16"	232-4828	3.5mm	232-4035	7.5mm	232-4075	11.5mm	232-4115
9/64"	232-4809	19/64"	232-4819	29/64"	232-4829	4mm	232-4040	8mm	232-4080	12mm	232-4120
5/32"	232-4810	5/16"	232-4820	15/32"	232-4830	4.5mm	232-4045	8.5mm	232-4085	12.5mm	232-4125
11/64"	232-4811	21/64"	232-4821	31/64"	232-4831					13mm	232-4130
3/16"	232-4812	11/32"	232-4822	1/2"	232-4832						

## 3AT SQUARE COLLETS



Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	232-4208	3mm	232-4230
5/32"	232-4210	4mm	232-4240
3/16"	232-4212	5mm	232-4250
7/32"	232-4214	5.5mm	232-4255
1/4"	232-4216	6mm	232-4260
9/32"	232-4218	7mm	232-4270
5/16"	232-4220	8mm	232-4280
11/32"	232-4222	9mm	232-4290
3/8"	232-4224		

## 3AT HEX COLLETS



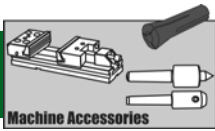
Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	232-5008	3mm	232-5030
5/32"	232-5010	4mm	232-5040
3/16"	232-5012	5mm	232-5050
7/32"	232-5014	5.5mm	232-5055
1/4"	232-5016	6mm	232-5060
9/32"	232-5018	7mm	232-5070
5/16"	232-5020	8mm	232-5080
11/32"	232-5022	9mm	232-5090
3/8"	232-5024	10mm	232-5100
13/32"	232-5026	11mm	232-5110
7/16"	232-5028	12mm	232-5120

## 3AT STEP COLLETS



Soft head  
For machining to specific requirements.

Head		
Dia.	Thickness	Model No.
2"	1"	230-5621
2"	1-1/8"	230-5622
2"	1-1/4"	230-5623
3"	1"	230-5631
3"	1-1/8"	230-5632
3"	1-1/4"	230-5633



# Machine Accessories

## MORSE TAPER ROUND COLLETS

### 1 Morse Taper

Inch		Metric	
Size	Model No.	Size	Model No.
1/16"	230-4401	2mm	230-4412
1/8"	230-4402	3mm	230-4413
3/16"	230-4403	4mm	230-4414
1/4"	230-4404	6mm	230-4416
5/16"	230-4405	8mm	230-4418



### 3 Morse Taper

Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	230-4608	3mm	230-5103
3/16"	230-4612	5mm	230-5105
1/4"	230-4616	6mm	230-5106
5/16"	230-4620	8mm	230-5108
3/8"	230-4624	10mm	230-5110
7/16"	230-4628	11mm	230-5111
1/2"	230-4632	13mm	230-5113
9/16"	230-4636	14mm	230-5114
5/8"	230-4640	16mm	230-5116
11/16"	230-4644	17mm	230-5117
3/4"	230-4648	18mm	230-5118

### 4 Morse Taper

Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	230-4708	3mm	230-4803
3/16"	230-4712	5mm	230-4805
1/4"	230-4716	6mm	230-4806
5/16"	230-4720	8mm	230-4808
3/8"	230-4724	10mm	230-4810
7/16"	230-4728	11mm	230-4811
1/2"	230-4732	13mm	230-4813
9/16"	230-4736	14mm	230-4814
5/8"	230-4740	16mm	230-4816
11/16"	230-4744	17mm	230-4817
3/4"	230-4748	18mm	230-4818
13/16"	230-4752	20mm	230-4820
7/8"	230-4756	22mm	230-4822
15/16"	230-4760	24mm	230-4824
1"	230-4764	25mm	230-4825

### 2 Morse Taper

Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	230-4508	2mm	230-5202
3/16"	230-4512	3mm	230-5203
1/4"	230-4516	5mm	230-5205
5/16"	230-4520	6mm	230-5206
3/8"	230-4524	10mm	230-5210
7/16"	230-4528	11mm	230-5211
1/2"	230-4532	12mm	230-5212

## 7#, 9#, 21# B&S TAPER ROUND COLLETS



Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	230-1508	3mm	230-1573
3/16"	230-1512	5mm	230-1575
1/4"	230-1516	6mm	230-1576
5/16"	230-1520	8mm	230-1578
3/8"	230-1524	10mm	230-1580
7/16"	230-1528	11mm	230-1581
1/2"	230-1532	13mm	230-1583

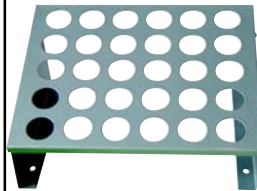
Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	230-1608	3mm	230-1673
3/16"	230-1612	5mm	230-1675
1/4"	230-1616	6mm	230-1676
5/16"	230-1620	8mm	230-1678
3/8"	230-1624	10mm	230-1680
7/16"	230-1628	11mm	230-1681
1/2"	230-1632	13mm	230-1683
9/16"	230-1636	14mm	230-1684
5/8"	230-1640	16mm	230-1686
11/16"	230-1644	17mm	230-1687
3/4"	230-1648	18mm	230-1688
		20mm	230-1690

Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	230-1108	3mm	230-1173
3/16"	230-1112	5mm	230-1175
1/4"	230-1116	6mm	230-1176
5/16"	230-1120	8mm	230-1178
3/8"	230-1124	10mm	230-1180
7/16"	230-1128	11mm	230-1181
1/2"	230-1132	13mm	230-1183
9/16"	230-1136	14mm	230-1184
5/8"	230-1140	16mm	230-1186
11/16"	230-1144	17mm	230-1187
3/4"	230-1148	18mm	230-1188
13/16"	230-1152	20mm	230-1190
7/8"	230-1156	22mm	230-1192
15/16"	230-1160	24mm	230-1194
1"	230-1164	25mm	230-1195

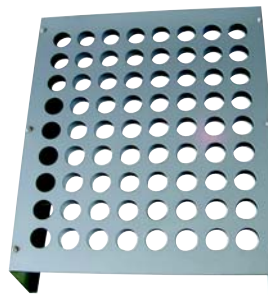
## CUTTER GRINDER COLLETS

Inch		Metric	
Size	Model No.	Size	Model No.
1/8"	230-5308	3mm	230-5403
3/16"	230-5312	5mm	230-5405
1/4"	230-5316	6mm	230-5406
5/16"	230-5320	8mm	230-5408
3/8"	230-5324	10mm	230-5410
7/16"	230-5328	11mm	230-5411
1/2"	230-5332	13mm	230-5413
9/16"	230-5336	14mm	230-5414
5/8"	230-5340	16mm	230-5416

## 5C COLLET STANDS



Hold 5C 30 collets  
Model No. 239-9530



Hold 5C 72 collets  
Model No. 239-9572

## WOODEN RACK FOR R8 COLLET



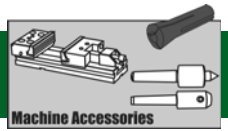
Hold 14 piece R8 collet  
Model No. 239-9814



## R8 COLLET RACKS

Specifications	Model No.
R8 Collet Rack, hold 12 collets	239-9212
R8 Collet Rack, hold 15 collets and tools	239-9815
R8 Vertical Collet Rack, hold 48 collets	239-9848

# Machine Accessories



## TG SERIES-SINGLE ANGLE COLLETS

### TG75 Collets

Inch

Size	Model No.	Size	Model No.	Size	Model No.
1/16"	204-8101	5/16"	204-8121	9/16"	204-8141
5/64	204-8102	21/64	204-8122	37/64	204-8142
3/32	204-8103	11/32	204-8123	19/32	204-8143
7/64	204-8104	23/64	204-8124	39/64	204-8144
1/8	204-8106	3/8	204-8126	5/8	204-8146
9/64	204-8107	25/64	204-8127	41/64	204-8147
5/32	204-8108	13/32	204-8128	21/32	204-8148
11/64	204-8109	27/64	204-8129	43/64	204-8149
3/16	204-8111	7/16	204-8131	11/16	204-8151
13/64	204-8112	29/64	204-8132	45/64	204-8152
7/32	204-8113	15/32	204-8133	23/32	204-8153
15/64	204-8114	31/64	204-8134	47/64	204-8154
1/4	204-8116	1/2	204-8136	3/4	204-8156
17/64	204-8117	33/64	204-8137	49/64	204-8157
9/32	204-8118	17/32	204-8138	25/32	204-8158
19/64	204-8119	35/64	204-8139		



Metric

Size	Model No.	Size	Model No.	Size	Model No.
1mm	204-8001	8mm	204-8016	14.5mm	204-8032
1.5mm	204-8002	8.5mm	204-8017	15mm	204-8033
2mm	204-8003	9mm	204-8018	15.5mm	204-8034
2.5mm	204-8004	9.5mm	204-8019	16mm	204-8036
3mm	204-8005	10mm	204-8021	16.5mm	204-8037
3.5mm	204-8006	10.5mm	204-8022	17mm	204-8038
4mm	204-8007	11mm	204-8023	17.5mm	204-8039
4.5mm	204-8008	11.5mm	204-8024	18mm	204-8041
5mm	204-8009	12mm	204-8026	18.5mm	204-8042
5.5mm	204-8011	12.5mm	204-8027	19mm	204-8043
6mm	204-8012	13mm	204-8028	19.5mm	204-8044
6.5mm	204-8013	13.5mm	204-8029	20mm	204-8046
7mm	204-8014	14mm	204-8031		

### TG100 Collets

Inch

Size	Model No.	Size	Model No.
1/64"	204-9901	33/64"	204-9933
1/32"	204-9902	17/32"	204-9934
3/64"	204-9903	35/64"	204-9935
1/16"	204-9904	9/16"	204-9936
5/64"	204-9905	37/32"	204-9937
3/32"	204-9906	19/32"	204-9938
7/64"	204-9907	39/64"	204-9939
1/8"	204-9908	5/8"	204-9940
9/64"	204-9909	41/64"	204-9941
5/32"	204-9910	21/32"	204-9942
11/64"	204-9911	43/64"	204-9943
3/16"	204-9912	11/16"	204-9944
13/64"	204-9913	45/64"	204-9945
7/32"	204-9914	23/32"	204-9946
15/64"	204-9915	47/64"	204-9947
1/4"	204-9916	3/4"	204-9948
17/64"	204-9917	49/64"	204-9949
9/32"	204-9918	25/32"	204-9950
19/64"	204-9919	51/64"	204-9951
5/16"	204-9920	13/16"	204-9952
21/64"	204-9921	53/64"	204-9953
11/32"	204-9922	27/32"	204-9954
23/64"	204-9923	55/64"	204-9955
3/8"	204-9924	7/8"	204-9956
25/64"	204-9925	57/64"	204-9957
13/32"	204-9926	29/32"	204-9958
27/64"	204-9927	59/64"	204-9959
7/16"	204-9928	15/16"	204-9960
29/64"	204-9929	61/64"	204-9961
15/32"	204-9930	31/32"	204-9962
31/64"	204-9931	63/64"	204-9963
1/2"	204-9932	1"	204-9964

Metric

Size	Model No.
1mm	204-0301
2mm	204-0302
3mm	204-0303
4mm	204-0304
5mm	204-0305
6mm	204-0306
7mm	204-0307
8mm	204-0308
9mm	204-0309
10mm	204-0310
11mm	204-0311
12mm	204-0312
13mm	204-0313
14mm	204-0314
15mm	204-0315
16mm	204-0316
17mm	204-0317
18mm	204-0318
19mm	204-0319
20mm	204-0320
21mm	204-0321
22mm	204-0322
23mm	204-0323
24mm	204-0324
25mm	204-0325

### TG150 Collets

Inch

Size	Model No.	Size	Model No.
3/32"	204-0003	27/32"	204-0054
7/64"	204-0004	55/64"	204-0055
1/8"	204-0005	7/8"	204-0056
9/64"	204-0006	57/64"	204-0057
5/32"	204-0007	29/32"	204-0058
11/64"	204-0008	59/64"	204-0059
3/16"	204-0009	15/16"	204-0060
13/64"	204-0010	61/64"	204-0061
7/32"	204-0011	31/32"	204-0062
15/64"	204-0015	63/64"	204-0063
1/4"	204-0016	1"	204-0064
17/64"	204-0017	1-1/64"	204-0101
9/32"	204-0018	1-1/32"	204-0102
19/64"	204-0019	1-3/64"	204-0103
5/16"	204-0020	1-1/16"	204-0104
21/64"	204-0021	1-5/64"	204-0105
11/32"	204-0022	1-3/32"	204-0106
23/64"	204-0023	1-7/64"	204-0107
3/8"	204-0024	1-1/8"	204-0108
25/64"	204-0025	1-9/64"	204-0109
13/32"	204-0026	1-5/32"	204-0110
27/64"	204-0027	1-11/64"	204-0111
7/16"	204-0028	1-3/16"	204-0112
29/64"	204-0029	1-13/64"	204-0113
15/32"	204-0030	1-7/32"	204-0114
31/64"	204-0031	1-15/64"	204-0115
1/2"	204-0032	1-1/4"	204-0116
33/64"	204-0033	1-17/64"	204-0117
17/32"	204-0034	1-9/32"	204-0118
35/64"	204-0035	1-19/64"	204-0119
9/16"	204-0036	1-5/16"	204-0120
37/64"	204-0037	1-21/64"	204-0121
19/32"	204-0038	1-11/32"	204-0122
39/64"	204-0039	1-23/64"	204-0123
5/8"	204-0040	1-3/8"	204-0124
41/64"	204-0041	1-25/64"	204-0125
21/32"	204-0042	1-13/32"	204-0126
43/64"	204-0043	1-27/64"	204-0127
11/16"	204-0044	1-7/16"	204-0128
45/64"	204-0045	1-29/64"	204-0129
23/32"	204-0046	1-15/32"	204-0130
47/64"	204-0047	1-31/64"	204-0131
3/4"	204-0048	1-1/2"	204-0132
49/64"	204-0049	1-33/64"	204-0133
25/32"	204-0050	1-17/32"	204-0134
51/64"	204-0051	1-35/64"	204-0135
13/16"	204-0052	1-9/16"	204-0136
53/64"	204-0053		

Metric

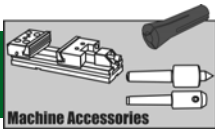
Size	Model No.
2mm	204-0202
3mm	204-0203
4mm	204-0204
5mm	204-0205
6mm	204-0206
7mm	204-0207
8mm	204-0208
9mm	204-0209
10mm	204-0210
11mm	204-0211
12mm	204-0212
13mm	204-0213
14mm	204-0214
15mm	204-0215
16mm	204-0216
17mm	204-0217
18mm	204-0218
19mm	204-0219
20mm	204-0220
21mm	204-0221
22mm	204-0222
23mm	204-0223
24mm	204-0224
25mm	204-0225
26mm	204-0226
27mm	204-0227
28mm	204-0228
29mm	204-0229
30mm	204-0230
31mm	204-0231
32mm	204-0232
33mm	204-0233
34mm	204-0234
35mm	204-0235
36mm	204-0236
37mm	204-0237
38mm	204-0238
39mm	204-0239
40mm	204-0240

### TG Collet Dimensions

TG Series	Dia.	Length	Capacity Range
75	1.062"	1.844"	1/16- 3/4"
100	1.379"	2.375"	3/32-1"
150	2.001"	3.000"	3/8-1-1/2"
200	2.671"	3.250"	1"-2"

### TG200 C

Size	Model No.
1"	204-0564
1-1/4"	204-0516
1-1/2"	204-0532
1-3/4"	204-0543
2"	204-0550



# Machine Accessories

## DA SERIES-DOUBLE ANGLE COLLETS



DA Series	D	L	Capacity Range
400	1.455"	2.00"	3/32-1
300	0.375"	2.00"	1/32-1/4
200	0.539"	1.18"	3/64-25/64
100	0.769"	1.44"	3/64-9/16
180	1.035"	1.62"	3/64-3/4

- Concentric within 0.0005 TIR at collet nose assembled with chuck
- Self release for rapid, easy operation.

### Inch

Size	100DA Model No.	180DA Model No.	200DA Model No.	300DA Model No.
1/32"	-----	-----	----	159-3020
3/64"	159-0000	159-0700	159-1140	159-3040
1/16"	159-0020	159-0720	159-1160	159-3060
5/64"	159-0040	159-0740	159-1180	159-3080
3/32"	159-0060	159-0760	159-1200	159-3100
7/64"	159-0080	159-0780	159-1220	159-3120
1/8"	159-0100	159-0800	159-1240	159-3140
9/64"	159-0120	159-0820	159-1260	159-3160
5/32"	159-0140	159-0840	159-1280	159-3180
11/64"	159-0160	159-0860	159-1300	159-3200
3/16"	159-0180	159-0880	159-1320	159-3220
13/64"	159-0200	159-0900	159-1340	159-3240
7/32"	159-0220	159-0920	159-1360	159-3260
15/64"	159-0240	159-0940	159-1380	159-3280
1/4"	159-0260	159-0960	159-1400	159-3300
17/64"	159-0280	159-0980	159-1420	
9/32"	159-0300	159-1000	159-1440	
19/64"	159-0320	159-1020	159-1460	
5/16"	159-0340	159-1040	159-1480	
21/64"	159-0360	159-1060	159-1500	
11/32"	159-0380	159-1080	159-1520	
23/64"	159-0400	159-1100	159-1540	
3/8"	159-0420	159-1120	159-1560	
25/64"	159-0440		159-1580	
13/32"	159-0460		159-1600	
27/64"	159-0480		159-1620	
7/16"	159-0500		159-1640	
29/64"	159-0520		159-1660	
15/32"	159-0540		159-1680	
31/64"	159-0560		159-1700	
1/2"	159-0580		159-1720	
33/64"	159-0600		159-1740	
17/32"	159-0620		159-1760	
35/64"	159-0640		159-1780	
9/16"	159-0660		159-1800	
37/64"			159-1820	
19/32"			159-1840	
39/64"			159-1860	
5/8"			159-1880	
41/64"			159-1900	
21/32"			159-1920	
43/64"			159-1940	
11/16"			159-1960	
45/64"			159-1980	
23/32"			159-2000	
47/64"			159-2020	
3/4"			159-2040	
49/64"			159-2060	

### Metric

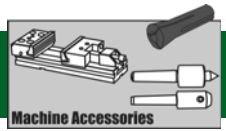
Size	100DA Model No.	180DA Model No.	200DA Model No.
1.5mm	159-5000	159-5560	159-5900
2.0mm	159-5020	159-5580	159-5920
2.5mm	159-5040	159-5600	159-5940
3.0mm	159-5060	159-5620	159-5960
3.5mm	159-5080	159-5640	159-5980
4.0mm	159-5100	159-5660	159-6000
4.5mm	159-5120	159-5680	159-6020
5.0mm	159-5140	159-5700	159-6040
5.5mm	159-5160	159-5720	159-6060
6.0mm	159-5180	159-5740	159-6080
6.5mm	159-5200	159-5760	159-6100
7.0mm	159-5220	159-5780	159-6120
7.5mm	159-5240	159-5800	159-6140
8.0mm	159-5260	159-5820	159-6160
8.5mm	159-5280	159-5840	159-6180
9.0mm	159-5300	159-5860	159-6200
9.5mm	159-5320	159-5880	159-6220
10.0mm	159-5340	159-5900	159-6240
10.5mm	159-5360		159-6260
11.0mm	159-5380		159-6280
11.5mm	159-5400		159-6300
12.0mm	159-5420		159-6320
12.5mm	159-5440		159-6340
13.0mm	159-5460		159-6360
13.5mm	159-5480		159-6380
14.0mm	159-5500		159-6400
14.5mm	159-5520		159-6420
15.0mm			159-6440
15.5mm			159-6460
16.0mm			159-6480
16.5mm			159-6500
17.0mm			159-6520
17.5mm			159-6540
18.0mm			159-6560
18.5mm			159-6580
19.0mm			159-6600
19.5mm			159-6620
20.0mm			159-6640

## COLLET SETS

Collet Series	No. of Pieces	Range	Model No.
100	29	1/8-9/16 by 64ths	159-1029
100	15	1/8-9/16 by 32ths	159-1015
180	41	1/8-3/4 by 64ths	159-1841
180	21	1/8-9/16 by 32ths	159-1821
200	17	1/8-3/8 by 64ths	159-2017
200	9	1/8-3/8 by 32ths	159-2009
300	9	1/8-1/4 by 64ths	159-3009
300	5	1/8-1/4 by 32ths	159-3005

WWW.PRECOTOOLS.CN

# Machine Accessories



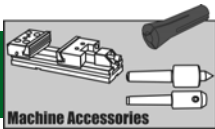
## EOC COLLETS



Type	A	L	Capacity Range
16B	25.5	40	2-16
20B	29.8	45	2-20
25B	35.05	52	2-25
32B	43.7	60	4-32
40B	52.2	68	6-40
50B	63.8	80	8-50

Size	16B Model No.	20B Model No.	25B Model No.	32B Model No.	40B Model No.	50B Model No.	Size	25A Model No.	32A Model No.	40A Model No.	50A Model No.
2mm	122-0502	122-1502	122-2502				2mm	204-5202			
3mm	122-0504	122-1504	122-2504				3mm	204-5203			
4mm	122-0506	122-1506	122-2506	122-3506			4mm	204-5204	204-5354		
5mm	122-0508	122-1508	122-2508	122-3508			5mm	204-5205	204-5355		
6mm	122-0510	122-1510	122-2510	122-3510	122-4510		6mm	204-5206	204-5356	204-5406	204-9456
7mm	122-0512	122-1512	122-2512	122-3512	122-4512		7mm	204-5207	204-5357	204-5407	204-9457
8mm	122-0514	122-1514	122-2514	122-3514	122-4514	122-5514	8mm	204-5208	204-5358	204-5408	204-9458
9mm	122-0516	122-1516	122-2516	122-3516	122-4516	122-5516	9mm	204-5209	204-5359	204-5409	204-9459
10mm	122-0518	122-1518	122-2518	122-3518	122-4518	122-5518	10mm	204-5210	204-5360	204-5410	204-9460
11mm	122-0520	122-1520	122-2520	122-3520	122-4520	122-5520	11mm	204-5211	204-5361	204-5411	204-9461
12mm	122-0522	122-1522	122-2522	122-3522	122-4522	122-5522	12mm	204-5212	204-5362	204-5412	204-9462
13mm	122-0524	122-1524	122-2524	122-3524	122-4524	122-5524	13mm	204-5213	204-5363	204-5413	204-9463
14mm	122-0526	122-1526	122-2526	122-3526	122-4526	122-5526	14mm	204-5214	204-5364	204-5414	204-9464
15mm	122-0528	122-1528	122-2528	122-3528	122-4528	122-5528	15mm	204-5215	204-5365	204-5415	204-9465
16mm	122-0530	122-1530	122-2530	122-3530	122-4530	122-5530	16mm	204-5216	204-5366	204-5416	204-9466
17mm		122-1532	122-2532	122-3532	122-4532	122-5532	17mm	204-5217	204-5367	204-5417	204-9467
18mm		122-1534	122-2534	122-3534	122-4534	122-5534	18mm	204-5218	204-5368	204-5418	204-9468
19mm		122-1536	122-2536	122-3536	122-4536	122-5536	19mm	204-5219	204-5369	204-5419	204-9469
20mm		122-1538	122-2538	122-3538	122-4538	122-5538	20mm	204-5220	204-5370	204-5420	204-9470
21mm			122-2540	122-3540	122-4540	122-5540	21mm	204-5221	204-5371	204-5421	204-9471
22mm			122-2542	122-3542	122-4542	122-5542	22mm	204-5222	204-5372	204-5422	204-9472
23mm			122-2544	122-3544	122-4544	122-5544	23mm	204-5223	204-5373	204-5423	204-9473
24mm			122-2546	122-3546	122-4546	122-5546	24mm	204-5224	204-5374	204-5424	204-9474
25mm			122-2548	122-3548	122-4548	122-5548	25mm	204-5225	204-5375	204-5425	204-9475
26mm				122-3550	122-4550	122-5550	26mm		204-5376	204-5426	204-9476
27mm				122-3552	122-4552	122-5552	27mm		204-5377	204-5427	204-9477
28mm				122-3554	122-4554	122-5554	28mm		204-5378	204-5428	204-9478
29mm				122-3556	122-4556	122-5556	29mm		204-5379	204-5429	204-9479
30mm				122-3558	122-4558	122-5558	30mm		204-5380	204-5430	204-9480
31mm				122-3560	122-4560	122-5560	31mm		204-5381	204-5431	204-9481
32mm				122-3562	122-4562	122-5562	32mm		204-5382	204-5432	204-9482
33mm					122-4564	122-5564	33mm			204-5433	204-9483
34mm					122-4566	122-5566	34mm			204-5434	204-9484
35mm					122-4568	122-5568	35mm			204-5435	204-9485
36mm					122-4570	122-5570	36mm				204-9486
37mm					122-4572	122-5572	37mm				204-9487
38mm					122-4574	122-5574	38mm				204-9488
39mm					122-4576	122-5576	39mm				204-9489
40mm					122-4578	122-5578	40mm				204-9490
41mm						122-5580	41mm				204-9491
42mm						122-5582	42mm				204-9492
43mm						122-5584	43mm				204-9493
44mm						122-5586	44mm				204-9494
45mm						122-5588	45mm				204-9495
46mm						122-5590	46mm				204-9496
47mm						122-5592	47mm				204-9497
48mm						122-5594	48mm				204-9498
49mm						122-5596	49mm				204-9499
50mm						122-5598	50mm				204-9500

WWW.PRECOTOOLS.CN



# Machine Accessories

## ER COLLETS



- Unique 8° taper design affords highest gripping power.
- True double angle, for extreme concentricity.
- 16 Jaws giving powerful gripping and parallel clamping.
- A unique self-releasing system is built into the collet and clamping nut to eliminate cutting tools sticking in collets.

Type	A	B
ER11	11.5mm	18mm
ER16	17mm	27mm
ER20	21mm	31mm
ER25	26mm	35mm
ER32	33mm	40mm
ER40	41mm	46mm

### Inch

Size	ER11 Model No.	ER16 Model No.	ER20 Model No.	ER25 Model No.	ER 32 Model No.	ER40 Model No.
1/32"	204-1102	204-1602				
3/64"	204-1103	204-1603	204-2003			
1/16"	204-1104	204-1604	204-2004	204-2504		
5/64"	204-1105	204-1605	204-2005	204-2505		
3/32"	204-1106	204-1606	204-2006	204-2506	204-3206	
7/64"	204-1107	204-1607	204-2007	204-2507	204-3207	
1/8"	204-1108	204-1608	204-2008	204-2508	204-3208	204-4008
9/64"	204-1109	204-1609	204-2009	204-2509	204-3209	204-4009
5/32"	204-1110	204-1610	204-2010	204-2510	204-3210	204-4010
11/64"	204-1111	204-1611	204-2011	204-2511	204-3211	204-4011
3/16"	204-1112	204-1612	204-2012	204-2512	204-3212	204-4012
13/64"	204-1113	204-1613	204-2013	204-2513	204-3213	204-4013
7/32"	204-1114	204-1614	204-2014	204-2514	204-3214	204-4014
15/64"	204-1115	204-1615	204-2015	204-2515	204-3215	204-4015
1/4"	204-1116	204-1616	204-2016	204-2516	204-3216	204-4016
17/64"	204-1117	204-1617	204-2017	204-2517	204-3217	204-4017
9/32"	204-1118	204-1618	204-2018	204-2518	204-3218	204-4018
19/64"		204-1619	204-2019	204-2519	204-3219	204-4019
5/16"		204-1620	204-2020	204-2520	204-3220	204-4020
21/64"		204-1621	204-2021	204-2521	204-3221	204-4021
11/32"		204-1622	204-2022	204-2522	204-3222	204-4022
23/64"		204-1623	204-2023	204-2523	204-3223	204-4023
3/8"		204-1624	204-2024	204-2524	204-3224	204-4024
25/64"			204-2025	204-2525	204-3225	204-4025
13/32"			204-2026	204-2526	204-3226	204-4026
27/64"			204-2027	204-2527	204-3227	204-4027
7/16"			204-2028	204-2528	204-3228	204-4028
29/64"			204-2029	204-2529	204-3229	204-4029
15/32"			204-2030	204-2530	204-3230	204-4030
31/64"			204-2031	204-2531	204-3231	204-4031
1/2"			204-2032	204-2532	204-3232	204-4032
33/64"				204-2533	204-3233	204-4033
17/32"				204-2534	204-3234	204-4034
35/64"				204-2535	204-3235	204-4035
9/16"				204-2536	204-3236	204-4036
37/64"				204-2537	204-3237	204-4037
19/32"				204-2538	204-3238	204-4038
39/64"				204-2539	204-3239	204-4039
5/8"				204-2540	204-3240	204-4040
41/64"					204-3241	204-4041
21/32"					204-3242	204-4042
43/64"					204-3243	204-4043
11/16"					204-3244	204-4044
45/64"					204-3245	204-4045
23/32"					204-3246	204-4046
47/64"					204-3247	204-4047
3/4"					204-3248	204-4048
49/64"					204-3249	204-4049
25/32"					204-3250	204-4050
51/64"					204-3251	204-4051
13/16"					204-3252	204-4052
53/64"						204-4053
27/32"						204-4054
55/64"						204-4055
7/8"						204-4056
57/64"						204-4057
29/32"						204-4058
59/64"						204-4059
15/16"						204-4060
61/64"						204-4061
31/32"						204-4062
63/64"						204-4063
1"						204-4064
1-1/64"						204-4065

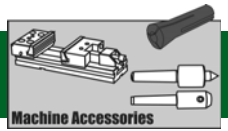
### Metric

Size	ER11 Model No.	ER 16 Model No.	ER-20 Model No.	ER-25 Model No.	ER 32 Model No.	ER 40 Model No.
1mm	204-1010	204-6010	204-7010	204-7210		
1.5mm	204-1015	204-6015	204-7015	204-7215		
2mm	204-1020	204-6020	204-7020	204-7220	204-3320	
2.5mm	204-1025	204-6025	204-7025	204-7225	204-3325	
3mm	204-1030	204-6030	204-7030	204-7230	204-3330	204-4130
3.5mm	204-1035	204-6035	204-7035	204-7235	204-3335	
4mm	204-1040	204-6040	204-7040	204-7240	204-3340	204-4134
4.5mm	204-1045	204-6045	204-7045	204-7245	204-3345	
5mm	204-1050	204-6050	204-7050	204-7250	204-3350	204-4135
5.5mm	204-1055	204-6055	204-7055	204-7255	204-3355	
6mm	204-1060	204-6060	204-7060	204-7260	204-3360	204-4136
7mm	204-1070	204-6070	204-7070	204-7270	204-3370	204-4137
8mm		204-6080	204-7080	204-7280	204-3380	204-4138
9mm		204-6090	204-7090	204-7290	204-3390	204-4139
10mm		204-6100	204-7100	204-7300	204-3400	204-4140
11mm			204-7110	204-7310	204-3410	204-4141
12mm			204-7120	204-7320	204-3420	204-4142
13mm			204-7130	204-7330	204-3430	204-4143
14mm				204-7340	204-3440	204-4144
15mm				204-7350	204-3450	204-4145
16mm				204-7360	204-3460	204-4146
17mm					204-3470	204-4147
18mm					204-3480	204-4148
19mm					204-3490	204-4149
20mm					204-3500	204-4150
21mm						204-4151
22mm						204-4152
23mm						204-4153
24mm						204-4154
25mm						204-4155
26mm						204-4156
27mm						204-4157
28mm						204-4158
29mm						204-4159
30mm						204-4160

## SETS

Type	Descriptions	Model No.
ER16	10pcs set includes 1/32", 1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8"	204-1630
ER20	12pcs set includes 1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2"	204-2040
ER25	15pcs set includes 1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8"	204-2550
ER32	18pcs set includes 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8", 21/32", 11/16", 23/32", 3/4"	204-3260
ER40	23pcs/set with wooden stand, includes 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8", 21/32", 11/16", 3/4", 25/32", 13/16", 27/32", 7/8", 15/16", 31/32", 1"	204-4000

# Machine Accessories



## COLLET CHUCKS



**MORSE TAPER**

Shank Diameter	Collet Type	Capacity	Model No.
2MT	ER-20	0.04-0.511	230-7051
2MT	ER-25	0.04-0.629	230-7053
3MT	ER-32	0.06-0.787	230-7055
3MT	ER-40	0.12-1.02	230-7057
4MT	ER-40	0.12-1.02	230-7059
4MT	ER-50	0.393-1.33	230-7063
5MT	ER-40	0.12-1.02	230-7061
5MT	ER-50	0.393-1.33	230-7065
6MT	ER-50	0.393-1.33	230-7067



**R8**

Shank Diameter	Collet Type	G/L	Capacity	Model No.
R8	ER-16	1-1/2"	0.02-0.393	230-7041
R8	ER-16	3"	0.02-0.393	230-7043
R8	ER-32	1-5/8"	0.06-0.787	230-7045
R8	ER-40	2-27/32"	0.12-1.02	230-7047



**30, 40 AND 50**

Shank Diameter	Collet Type	Capacity	Model No.
30	ER-16	0.02-0.393	230-7071
30	ER-32	0.08-0.787	230-7073
30	ER-40	0.12-1.02	230-7075
40	ER-16	0.02-0.393	230-7077
40	ER-20	0.04-0.511	230-7079
40	ER-32	0.08-0.787	230-7081
40	ER-40	0.12-1.02	230-7083
40	ER-50	0.393-1.33	230-7085
50	ER-16	0.02-0.393	230-7087
50	ER-20	0.04-0.511	230-7089
50	ER-40	0.12-1.02	230-7091
50	ER-50	0.393-1.33	230-7093



**STRAIGHT SHANK**

Shank Diameter	Collet Type	Capacity	Model No.
5/8x2-1/2	ER-11	0.02-0.275	230-7001
3/4x2-1/2	ER-11	0.02-0.275	230-7003
3/4x4"	ER-11	0.02-0.275	230-7005
3/4x6"	ER-11	0.02-0.275	230-7007
3/4x2-1/2	ER-16	0.02-0.393	230-7009
3/4x4"	ER-16	0.02-0.393	230-7011
3/4x6"	ER-16	0.02-0.393	230-7013
3/4x2-1/2	ER-20	0.04-0.511	230-7015
3/4x4"	ER-20	0.04-0.511	230-7017
3/4x6"	ER-20	0.04-0.511	230-7019
3/4x2"	ER-25	0.04-0.629	230-7021
3/4x4"	ER-25	0.04-0.629	230-7023
1"x1-31/32	ER-32	0.08-0.787	230-7027
1-1/4x2-3/8	ER-32	0.08-0.787	230-7029
1-1/4x5-29/32	ER-32	0.08-0.787	230-7031
3/4x1-31/32	ER-32	0.08-0.787	230-7025
1"x2-3/8	ER-40	0.12-1.02	230-7033
1-1/4x2-3/8	ER-40	0.12-1.02	230-7035

## COLLET CHUCK SETS



**ER 40**

Collets in Set15 collets :

1/8, 3/16, 1/4, 5/16, 3/8,  
7/16, 1/2, 9/16, 5/8, 11/16,  
3/4, 13/16, 7/8, 15/16, 1"

Collet in Set 8 collets :

1/8, 1/4, 3/8, 1/2, 5/8, 3/4,  
7/8, 1

Shank Size	Model No.
R8	230-0008
ISO 30	230-0030
ISO 40	230-0040
ISO 50	230-0050
3MT	230-0063
4MT	230-0064
5MT	230-0065
1"x2-3/8	230-0076
1-1/4" x2-3/8	230-0078

Shank Size	Model No.
R8	230-0108
30	230-0130
40	230-0140
50	230-0150
3MT	230-0163
4MT	230-0164
5MT	230-0165
1X2-3/8	230-0176
1-1/4"x2-3/8	230-0178

**ER16**

Collets in Set 10 collets:  
1/32, 1/16, 3/32, 1/8, 3/16,  
7/32, 1/4, 5/16, 11/32, 3/8

Shank Size	Model No.
R8	230-0608
30	230-0630
40	230-0640
50	230-0650
2MT	230-0662
3MT	230-0663
4MT	230-0664
3/4X2-1/2"	230-0672
3/4"x4	230-0674
3/4"X6"	230-0676

**ER11**

Collets in Set 7 collets:  
1/32, 1/16, 3/32, 1/8,  
3/16, 7/32, 1/4

Shank Size	Model No.
R8	230-0718
30	230-0733
40	230-0734
50	230-0735
2MT	230-0772
3MT	230-0773
4MT	230-0774
3/4X2-1/2"	230-0741
3/4"x4	230-0743
3/4"X6"	230-0744

**ER 25**

Collets in Set10 collets : Collets in Set 6 collets :  
3/32, 1/8, 3/16, 1/4, 5/16, 3/16, 1/4, 5/16, 3/8,  
3/8, 7/16, 1/2, 9/16, 5/8 1/2, 5/8

Shank Size	Model No.
R8	230-0408
30	230-0430
40	230-0440
50	230-0450
2MT	230-0462
3MT	230-0463
4MT	230-0464
3/4"	230-0474
1"	230-0476

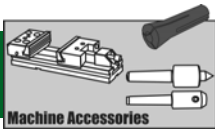
Shank Size	Model No.
R8	230-0508
30	230-0530
40	230-0540
50	230-0550
2MT	230-0562
3MT	230-0563
4MT	230-0564
3/4"x2-1/2	230-0574
1"x2-3/8	230-0576

**ER 32**

Collets in Set 12 colles: Collets in Set 6 collets :  
1/16, 3/32, 1/8, 3/16, 1/4,  
5/16, 3/8, 7/16, 1/2, 9/16,  
5/8, 13/16 1/4, 5/16, 3/8, 1/2, 5/8, 3/4

Shank Size	Model No.
R8	230-0208
30	230-0230
40	230-0240
50	230-0250
3MT	230-0263
4MT	230-0264
5MT	230-0265
3/4"x2-1/2"	230-0274
1"x2-3/8	230-0276

Shank Size	Model No.
R8	230-0308
30	230-0330
40	230-0340
50	230-0350
3MT	230-0363
4MT	230-0364
5MT	230-0365
3/4"x2-1/2	230-0374
1"x2-3/8	230-0376



# Machine Accessories

## METRIC ER COLLETS



ER 8				ER 9				ER 12			
Size	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
1.0mm	204-0810	204-0910	204-1210								
1.5mm	204-0815	204-0915	204-1215								
2.0mm	204-0820	204-0920	204-1220								
2.5mm	204-0825	204-0925	204-1225								
3.0mm	204-0830	204-0930	204-1230								
3.5mm	204-0835	204-0935	204-1235								
4.0mm		204-0940	204-1240								
4.5mm		204-0945	204-1245								
5.0mm		204-0950	204-1250								
5.5mm			204-1255								
6.0mm			204-1260								
7.0mm			204-1270								

ER-50		ER 50		ER 60		ER60	
Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.
6mm	204-9060	20mm	204-9200	10mm	204-6210	25mm	204-6225
7mm	204-9070	21mm	204-9210	11mm	204-6211	26mm	204-6226
8mm	204-9080	22mm	204-9220	12mm	204-6212	27mm	204-6227
9mm	204-9090	23mm	204-9230	13mm	204-6213	28mm	204-6228
10mm	204-9100	24mm	204-9240	14mm	204-6214	29mm	204-6229
11mm	204-9110	25mm	204-9250	15mm	204-6215	30mm	204-6230
12mm	204-9120	26mm	204-9260	16mm	204-6216	31mm	204-6231
13mm	204-9130	27mm	204-9270	17mm	204-6217	32mm	204-6232
14mm	204-9140	28mm	204-9280	18mm	204-6218	33mm	204-6233
15mm	204-9150	29mm	204-9290	19mm	204-6219	34mm	204-6234
16mm	204-9160	30mm	204-9300	20mm	204-6220	35mm	204-6235
17mm	204-9170	31mm	204-9310	21mm	204-6221	36mm	204-6236
18mm	204-9180	32mm	204-9320	22mm	204-6222	37mm	204-6237
19mm	204-9190	33mm	204-9330	23mm	204-6223	38mm	204-6238
		34mm	204-9340	24mm	204-6224	39mm	204-6239
						40mm	204-6240

ER 90		ER 90	
Size	Model No.	Size	Model No.
20mm	204-6320	40mm	204-6340
22mm	204-6322	42mm	204-6342
24mm	204-6324	44mm	204-6344
26mm	204-6326	46mm	204-6346
28mm	204-6328	48mm	204-6348
30mm	204-6330	50mm	204-6350
32mm	204-6332	52mm	204-6352
34mm	204-6334	54mm	204-6354
36mm	204-6336	56mm	204-6356
38mm	204-6338	58mm	204-6358
		60mm	204-6360

## METRIC ER COLLET CHUCK SETS



### ER40

15 collets : 3, 4, 5, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 24, 26mm  
 8 Collets: 3, 5, 8, 12, 15, 18, 22, 26mm

### ER32

12 Collets: 3, 4, 5, 6, 8, 10, 12, 14, 15, 16, 18, 20mm  
 6 collet : 6, 8, 10, 12, 16, 20mm

### ER25

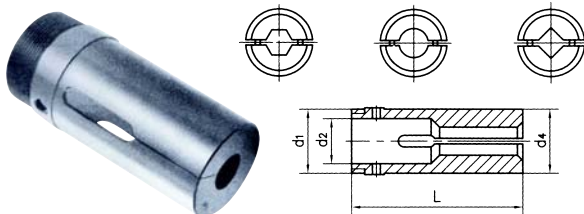
10 collets: 3, 4, 5, 6, 8, 10, 12, 14, 15, 16mm  
 6 collets: 4, 6, 8, 10, 12, 16mm

### ER16

8 collets: 2, 3, 4, 5, 6, 7, 8, 10mm

Shank 15 Collets		Shank 8 Collets		Shank 12 Collets		Shank 6 Collets		Shank 10 Collets		Shank 6 Collets		Shank 8 Collets	
Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.	Size	Model No.
R8	230-2008	R8	230-2108	R8	230-2208	R8	230-2308	R8	230-2408	R8	230-2508	R8	230-2608
30	230-2030	30	230-2130	30	230-2230	30	230-2330	30	230-2430	30	230-2530	30	230-2630
40	230-2040	40	230-2140	40	230-2240	40	230-2340	40	230-2440	40	230-2540	40	230-2640
45	230-2045	45	230-2145	45	230-2245	45	230-2345	45	230-2445	45	230-2545	45	230-2645
50	230-2050	50	230-2150	50	230-2250	50	230-2350	50	230-2450	50	230-2550	50	230-2650
3MT	230-2063	3MT	230-2163	3MT	230-2263	3MT	230-2363	3MT	230-2462	3MT	230-2562	3MT	230-2662
4MT	230-2064	4MT	230-2164	4MT	230-2264	4MT	230-2364	4MT	230-2463	4MT	230-2563	4MT	230-2663
5MT	230-2065	5MT	230-2165	5MT	230-2265	5MT	230-2365	5MT	230-2464	5MT	230-2564	5MT	230-2664
1"	230-2076	1"	230-2176	3/4"	230-2274	3/4"	230-2374	3/4"	230-2474	3/4"	230-2574	1/2"	230-2672
1-1/4"	230-2078	1-1/4"	230-2178	1"	230-2276	1"	230-2376	1"	230-2476	1"	230-2576	3/4"	230-2674

## FEEDING COLLET DIN 6344



Hex		Square		Round	
Size	Model No.	Size	Model No.	Size	Model No.
8mm	530-1208	7mm	530-1107	10mm	530-1010
10mm	530-1210	8mm	530-1108	12mm	530-1012
16mm	530-1216	13mm	530-1113	18mm	530-1018
20mm	530-1220	17mm	530-1117	24mm	530-1024
30mm	530-1230	25mm	530-1125	36mm	530-1036
45mm	530-1245	36mm	530-1136	52mm	530-1052

## CLAMPING COLLET DIN 6343



Hex		Round		Square	
Size	Model No.	Size	Model No.	Size	Model No.
10mm	530-0210	12mm	530-0012	11mm	530-0111
13mm	530-0213	16mm	530-0016	15mm	530-0115
19mm	530-0219	22mm	530-0022	18mm	530-0118
22mm	530-0222	26mm	530-0026	21mm	530-0121
26mm	530-0226	30mm	530-0030	25mm	530-0125
30mm	530-0230	36mm	530-0036	29mm	530-0129
36mm	530-0236	42mm	530-0042	35mm	530-0135
42mm	530-0242	50mm	530-0050	42mm	530-0142
52mm	530-0252	60mm	530-0060		