

YEAR AND MODELS	MAKER'S REF.	VALVE NUMBER		MAKER'S REF.	GUIDE NUMBER	
		INLET	EXHAUST		INLET	EXHAUST
<b>A.J.S.</b>						
<b>1958/60</b> 14 (O.H.V.).	042032 042033	4469 —	— 4470	042068 042069	6498 —	— 6499
<b>1960/64</b> 14, 14CS and Scrambler.	042032 042868	4469 —	— 4524	042068 042869	6498 —	— 6499L
<b>1962/64</b> 14CSR.						
<b>1937/48</b> 16, 16M (O.H.V.)	STD676 STD677	4010 —	— 4007	014510 39-12E-148 STD660	6436 —	— 6436
<b>1949/53</b> 16, 16M, 16MC, 16MCS.	013985 013986	4351 —	— 4352	014510	6436 —	— 6436
<b>1954/55</b> 16M, 16MC, 16MCS, 16MS.	013985 013986	4351 —	— 4352	021184 021185	6473 —	— 6474
<b>1956/57</b> 16, 16M, 16MC, 16MS.	013985 013986 018103	4351 —	— 4352	014510 022208	6436 —	— 6496
<b>1957/59</b> 16MC, 16MS, 16MCS.	013985 013986	4351 —	— 4352	014510 023370	6436 —	— 6497
<b>1959/64</b> 16C.	013985 013986 018103	4351 —	— 4352	014510 022208	6436 —	— 6496
<b>1959/64</b> 16CS (O.H.V.).	024525 013986 023367	4515 —	— 4352	024359 024519	6516 —	— 6517
<b>1962/64</b> 16, 16S, (O.H.V.)	024525 013986 023367	4515 —	— 4352	026030 024519	6526 —	— 6517



## GUIDES

Guide No.	Overall Length	Type	Bore Diam.	Fit Diam.	Make	Guide No.	Overall Length	Type	Bore Diam.	Fit Diam.	Make
5000B	2 1/64	P	5/16	9/16	VELOCETTE	6463	2 5/16	P	9/32	5/8	A.J.S., MATCHLESS
5002B	2	P	3/8	9/16	"	6464	2 1/2	P	5/16	5/8	"
5005B	1 31/32	I	5/16	1 1/2	TRIUMPH	6465	2 1/8	I	7/16	1 1/2	NORTON
5006B	2 1/4	I	5/16	1 1/2	"	6468	2 1/4	I	11/16	1 1/2	B.S.A.
5008B	43	P	7	13.1	B.M.W.	6469	2 1/4	I	11/16	9	"
5012	42	P/R	7.9	13.1	N.S.U.	6471	2 1/8	I	5/8	3 3/8	"
5013	43	P/R	9	17.1	"	6472	1 1/4	P	3/8	1 1/2	TRIUMPH
5014	2 5/64	I	3/8	1 1/4	HARLEY-DAVIDSON	6473	2 3/8	P/R	3/8	1 1/2	A.J.S., MATCHLESS
5015	2 5/64	I	3/8	1 1/4	"	6474	2 7/8	P	3/8	1 1/2	"
6042	2 3/8	I	5/16	5/8	ARIEL	6475B	1 1/2	I	7/16	1 1/2	ROYAL ENFIELD
6046	2 3/16	I	11/32	5/8	"	6476B	2 5/16	I	5/8	1 1/2	"
6048	2 1/8	I	5/16	5/8	"	6477	2 1/2	2	2	1 1/2	SUNBEAM
6270	2 5/32	I	3/8	5/8	NORTON	6478	2	P	7/32	3/4	VELOCETTE
6300	2 3/16	I	11/32	5/8	ARIEL	6481	3 7/32	2	2	3/4	INDIAN
6305	2 23/32	I	11/32	1 1/4	NORTON	6482B	1 1/2	I	9/16	5/8	ARIEL
6366	1 3/4	I	5/16	5/8	B.S.A.	6483B	2 1/16	I	3/4	1 1/2	ROYAL ENFIELD
6367	2 1/16	I	3/8	5/8	ARIEL	6484	2 1/16	I	5/8	1 1/2	"
6406B	1 15/32	P	7/32	3/8	VELOCETTE	6484B	2 1/16	I	3/8	1 1/2	"
6407B	1 11/16	P	7/32	3/8	"	6489	2 3/32	I	11/32	5/8	B.S.A.
6408	3 7/32	I	3/8	1 1/2	HARLEY-DAVIDSON	6489B	2 3/32	I	11/32	5/8	"
6409	1 7/8	P	3/32	1 1/2	NORTON	6490B	1 7/8	I	13/32	5/8	ARIEL
6416	2 1/4	I	3/8	5/8	P. & M.	6492B	2 5/32	I	16/32	1 1/2	"
6417	2 1/4	I	3/8	5/8	"	6493B	2 13/32	I	7/16	3/4	"
6419	1 13/16	I	11/32	5/8	ROYAL ENFIELD	6494B	2 5/16	I	17/32	5/8	"
6427B	2	I	3/8	5/8	VELOCETTE	6495B	2 5/16	I	17/32	5/8	"
6428B	2	I	3/8	5/8	"	6496	2 3/8	P/R	3/8	1 1/2	A.J.S., MATCHLESS
6430	2 1/4	I	13/16	1 1/2	B.S.A.	6497	2 1/16	P/R	3/8	1 1/2	"
6431	2 7/32	I	15/32	1 1/2	TRIUMPH	6498	2 5/16	P	3/8	1 1/2	"
6434	2 27/32	I	13/32	1 1/2	NORTON	6499	1 15/16	P	5/16	1 1/2	"
6435	2 1/64	I	17/64	1 1/2	TRIUMPH	6499L	1 15/16	P	5/16	1 1/2	"
6436	2 1/8	P	3/8	5/8	A.J.S.	6510B	2 1/16	I	3/8	1 1/2	ROYAL ENFIELD
6437	1 7/8	P	5/16	5/8	B.S.A.	6512B	2 1/8	I	13/16	1 1/2	B.S.A.
6438	2 1/8	P	5/16	5/8	"	6513B	1 13/16	I	7/16	9	"
6439	2 1/4	I	13/16	1 1/2	"	6514	1 1/2	I	21/64	9/32	B.S.A., TRIUMPH
6441	2 3/32	I	23/64	5/8	"	6515B	2 1/16	I	5/8	1 1/2	ROYAL ENFIELD
6442	2 1/8	I	3/8	5/8	"	6516	2 1/32	P/R	3/8	1 1/2	A.J.S., MATCHLESS
6443	3 1/4	P	9	5/8	"	6517	2 23/32	P/R	3/8	1 1/2	"
6444	3 7/16	P	9	5/8	"	6521	1 55/64	I	3/16	5/8	B.S.A.
6449	2 11/16	I	11/32	1 1/2	HARLEY-DAVIDSON	6522B	2 1/4	I	11/16	1 1/2	ROYAL ENFIELD
6453	2 1/8	I	7/16	1 1/2	TRIUMPH	6523	2 25/64	P	5/16	5/8	A.J.S., MATCHLESS
6455	2 5/32	I	7/16	1 1/2	ARIEL	6524	2 5/64	P	9/32	5/8	"
6455B	2 5/32	I	7/16	1 1/2	"	6525	2	P	5/16	5/8	"
6457B	2	P	5/16	1 1/2	"	6526	2 21/64	P/R	5/16	5/8	"
6458B	2	I	3/8	1 1/2	J.A.P.	6527	2	I	7/32	5/8	B.S.A.
6459B	2 13/32	I	11/32	1 1/2	"	6603	2 11/64	I	380	5/8	HARLEY-DAVIDSON
6460	2 1/8	I	9	5/8	B.S.A.	6616B	2 1/32	I	3/8	5/8	NORTON



## VALVES

VALVE No.	ENGLISH				METRIC				HEAD STYLE	STEM END	MAKE
	HEAD DIA.	STEM DIA.	STEM LENGTH	OVERALL LENGTH	HEAD DIA.	STEM DIA.	STEM LENGTH	OVERALL LENGTH			
4000	1 3/4	1 1/2	4 3/16	4 1/8	44.4	8.73	106.3	109.2	ST	RG	J.A.P.
4001	1 1/2	1 1/2	4 5/32	4 1/8	41.6	8.73	105.6	109.2	ST	RG	"
4003	1 1/8	3/8	4	4 3/32	42.8	9.53	101.6	105.6	ST	TG	P. & M.
4007	1 1/2	3/8	3 15/16	4 1/16	38.1	9.53	100.0	103.2	ST	2NG	A.J.S., MATCHLESS
4010	1 1/2	3/8	3 15/16	4 1/16	40.5	9.53	100.0	103.2	ST	2NG	"
4012	1 5/8	1 1/2	4 5/16	5 1/16	41.3	8.73	123.4	127.4	D	TG	NORTON
4017	1 3/32	5/16	3 3/8	3 3/4	32.5	7.94	87.7	90.9	ST	PG	B.S.A.
4027	1 5/8	1 1/2	5 13/32	5 1/16	41.3	8.73	137.3	141.3	F	PG	HARLEY DAVIDSON
4028	1 1/2	3/8	6 5/16	6 3/32	49.2	9.53	154.4	159.5	ST	PG	"
4030	1 3/4	3/8	3 7/16	3 19/32	44.5	9.53	87.3	91.3	ST	PG	"
4031	1 3/4	3/8	3 7/16	3 19/32	44.5	9.53	90.5	91.3	ST	PG	"
4034	2	3/8	4 3/8	5 1/8	50.8	9.53	126.6	130.2	F	NG	INDIAN
4035	2	3/8	4 3/8	5 1/8	50.8	9.53	126.6	133.7	D	NG	"
4054	1 9/16	5/16	3 3/4	3 11/16	39.7	7.94	90.9	93.6	ST	PG	ARIEL
4055	1 1/2	1 1/2	3 3/4	4 3/32	43.7	8.73	101.2	104.0	ST	PG	"
4056	1 1/2	1 1/2	3 3/4	4 3/32	43.7	9.53	101.2	104.0	ST	PG	"
4121	1 3/8	3/8	3 3/4	3 15/16	34.9	9.53	97.2	100.0	ST	TG	P. & M.
4169	1 3/32	5/16	4 1/4	4 3/4	43.6	7.94	109.1	114.7	D	PG	ARIEL
4171	1 1/2	5/16	4 1/4	4 3/32	36.5	7.94	105.9	108.7	ST	NG	VELOCETTE
4175	1 1/2	1 1/2	3 11/16	3 5/8	38.1	8.73	93.6	97.2	ST	TG	ROYAL ENFIELD
4183	1 1/2	3/16	3 3/4	3 45/64	39.7	8.73	91.0	94.2	ST	PG	ARIEL
4190	1 1/8	5/16	3 15/32	3 35/64	28.6	7.94	88.1	90.1	ST	PG	TRIUMPH
4191	1 1/8	5/16	3 15/32	3 35/64	28.6	7.94	88.1	90.1	ST	PG	"
4220	1 3/8	5/16	3 31/32	4 5/64	34.9	7.94	100.8	103.6	F	PG	B.S.A.
4221	1 3/8	5/16	3 31/32	4 3/32	33.3	7.94	100.8	104.0	F	PG	"
4222	1 4/64	.354	5 3/32	5 1/4	44.0	9.0	140.1	144.1	F	PG	"
4223	1 5/8	.354	5 1/2	5 1/4	41.3	9.0	139.7	144.1	F	PG	"
4228	1 1/2	5/16	3 23/32	3 53/64	38.9	7.94	94.5	97.2	ST	PG	"
4229	1 3/8	.354	3 23/32	3 27/32	37.7	9.0	94.5	97.6	T	PG	"
4313	1 1/8	3/8	4 7/32	4 21/64	39.7	9.53	107.1	109.9	ST	NG	VELOCETTE
4320	1 1/2	5/16	3 25/32	3 55/64	33.3	7.94	96.0	98.0	ST	PG	TRIUMPH
4321	1 1/2	5/16	3 25/32	3 55/64	33.3	7.94	96.0	98.0	ST	PG	"
4324	1 1/2	.354	3 11/16	3 51/32	42.0	9.0	93.6	97.2	ST	PG	B.S.A.
4325	1 1/2	3/8	3 11/16	3 51/32	40.5	9.53	93.6	97.6	ST	PG	"
4330	1 3/32	1 1/2	4 17/32	4 8/8	45.2	8.73	115.1	117.5	ST	PG/T	NORTON
4331	1 4/64	3/8	4 1/2	4 19/32	44.0	9.53	114.3	116.7	F	PG/T	"
4333	1 1/4	5/16	3 17/32	3 58/64	33.3	7.94	89.7	92.1	ST	PG	ARIEL
4334	1 1/4	5/16	3 17/32	3 58/64	31.8	7.94	89.3	92.1	F	PG	"
4350	1 1/8	3/8	3 15/16	4 1/16	42.9	9.53	100.0	103.2	ST	2NG	A.J.S., MATCHLESS
4351	1 1/2	3/8	4 3/16	4 5/16	40.5	9.53	106.3	109.5	ST	2NG	A.J.S.
4352	1 1/2	3/8	4 3/16	4 17/64	38.1	9.53	105.2	108.3	ST	2NG	"
4353	1 3/32	5/16	3 3/8	3 29/64	31.0	7.94	85.7	87.7	F	PG	ARIEL
4354	1 3/32	5/16	3 3/8	3 15/32	27.8	7.94	85.7	88.1	F	PG	"
4357	1 25/64	3/2	4 3/4	4 5/32	35.3	7.14	102.8	105.6	ST	PG	A.J.S., MATCHLESS
4358	1 19/64	5/16	4 1/4	4 8/8	33.0	7.94	102.0	104.8	ST	PG	"
4362	1 16/64	5/16	4 1/4	4 5/32	36.5	7.94	103.2	105.6	F	PG	SUNBEAM
4363	1 16/64	5/16	4 1/4	4 3/16	33.3	7.94	103.2	106.4	F	PG	"
4364	1 3/4	3/8	3 3/4	3 13/16	44.5	9.53	93.3	96.8	ST	PG	HARLEY DAVIDSON
4365	1 3/4	3/8	3 3/4	3 27/32	44.5	9.53	93.3	97.6	F	PG	"
4368	1 1/4	1 1/2	4	4 5/32	31.7	8.73	101.6	105.6	ST	TG	ROYAL ENFIELD
4371	1 4/64	3/8	4 13/64	4 19/64	44.0	9.53	106.7	109.4	ST	TG	NORTON
4373	1 3/8	5/16	3 27/32	3 15/16	35.0	7.94	97.6	100.0	F	PG	"
4374	1 7/16	5/16	3 11/16	3 49/64	36.5	7.94	93.6	95.6	ST	PG	TRIUMPH
4375	1 7/16	5/16	3 11/16	3 25/32	36.5	7.94	93.6	96.0	ST	PG	"
4382	1 1/2	5/16	4 9/32	4 3/8	42.9	7.94	108.7	111.1	ST	NG	VELOCETTE
4386	1 1/2	1 1/2	3 11/16	3 25/32	38.1	8.73	93.6	96.0	ST	TG	ROYAL ENFIELD
4387	1 2/8	1 1/2	3 11/16	3 25/32	35.0	8.73	93.6	96.0	ST	TG	"
4388	1 19/64	5/16	4 19/64	4 33/64	40.5	7.94	109.1	114.7	D	TG	ARIEL
4389	1 19/64	5/16	4 19/64	4 33/64	46.4	8.73	106.3	109.5	ST	RG	J.A.P.
4400	1 7/8	7/32	3 3/8	3 27/64	22.2	5.56	86.9	88.9	F	PG	VELOCETTE