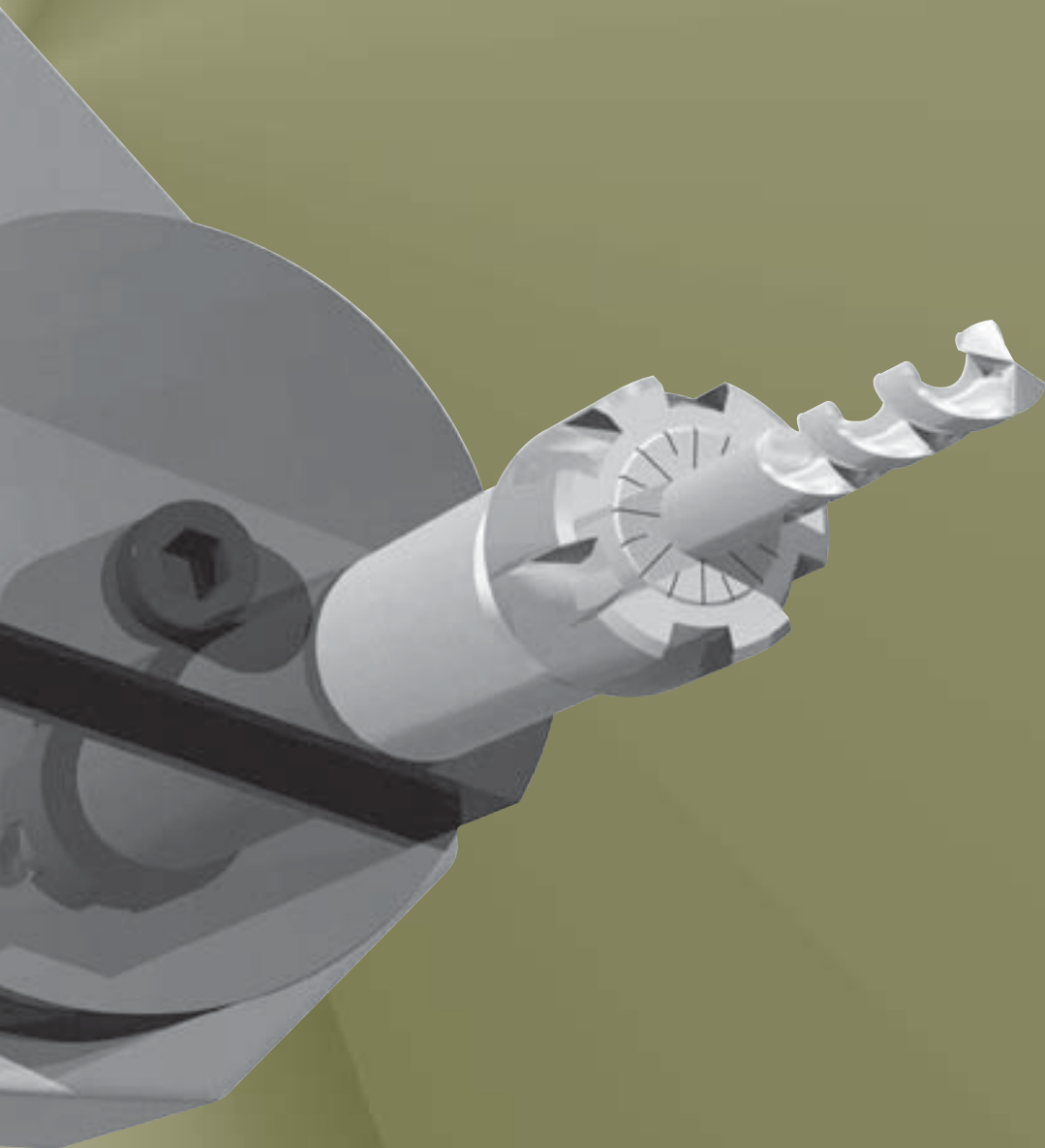
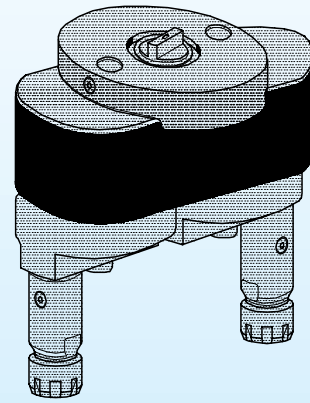


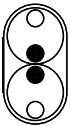



EUROMA[®]
MULTI SPINDLE HEAD

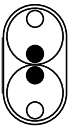





The two spindle adjustable center head enables simultaneous two hole drilling or tapping operations. The head is supplied with collar, entrainer, coupling and collet holder. The head can have a flange that sets the axis center.

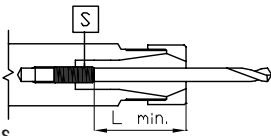
Note: Fixed center multi-spindle heads can be manufactured per the customer's specific needs and are recommended for excessive production cycles.



 500 N/mm ² Steel  \emptyset M  R.P.M.  page 101	HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES															
	F.10 M.12.50		M.12.100 M.16.130 M.20.130		F.14 F.20		M.16.80 M.20.80		F.24 F.CN.24		M.28		M.38			
	TAPER B12		TAPER B12		TAPER B18		ISO 30		TR \emptyset 28		TR \emptyset 36					
	AT 1	H	AT 15	H	AT 6	H	AT 11	H	AT 13	H	AT	H				
V2.042P	4	3	4000	ER. 8	44560211	54	44560650	54	44560240	74	/	/	/	/		
V2.062P	6	5	4000	ER.11	44560213	54	44560651	54	44560242	74	44560260	27	44560270	72	44560201	79
V2.102P	10	8	3500	ER.16	44560215	61	44560652	61	44560244	81	44560262	34	44560272	79	44560203	86
V2.132P	13	12	3000	ER.20	/	/	/	44560246	81	44560264	34	44560274	79	44560205	86	
V2.182P	18	14	2500	ER.25	/	/	/	44560248	81	44560266	34	44560276	79	44560207	86	

 500 N/mm ² Steel  \emptyset M  R.P.M.  page 101	HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES															
	F.I.42 F.CN.42		M.42		F.25		F.32		F.40 F.CN.24		F.50					
	ISO 40		TR \emptyset 36		ISO 30		ISO 30		ISO 40		ISO 50					
	H	H	H	H	H	H	H	H								
V2.042P	4	3	4000	ER. 8												
V2.062P	6	5	4000	ER.11												
V2.102P	10	8	3500	ER.16	44560700	44.5	44560750	89	44560800	49	44560850	49	44560900	46	44560950	53
V2.132P	13	12	3000	ER.20	44560701	44.5	44560751	89	44560801	49	44560851	49	44560901	46	44560951	53
V2.182P	18	14	2500	ER.25	44560702	44.5	44560752	89	44560802	49	44560852	49	44560902	46	44560952	53

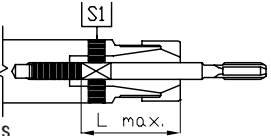
Set drill bit protrusion adjusting screw S.



Metric sizes

L min.	V2.042	V2.062	V2.102	V2.132	V2.182
	22	27	37	43	49

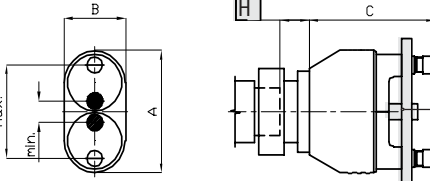
For tapping remove screw S and tighten tap square drive grub screws S1.



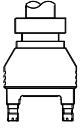
Metric sizes

L max.	V2.042	V2.062	V2.102	V2.132	V2.182
	22	27	44	52	49

Size H is indicated in the above chart next to the code number



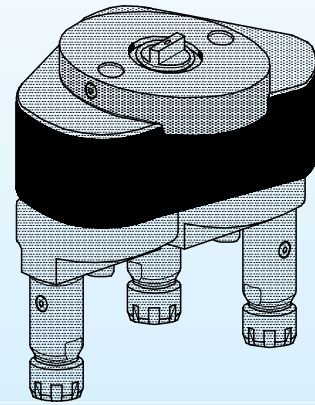
Metric sizes

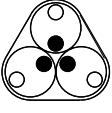


	INPUT/OUTPUT RATIO	MINIMUM CENTRES DISTANCE mm (inch)	MAXIMUM CENTRES DISTANCE mm (inch)	WEIGHT Kgs (lbs)	A mm (inch)	B mm (inch)	COLLET SPINDLE mm (inch)
					A	B	C
V2.042P	1:1	12 (.47")	72 (2.83")	0.95 (2.09)	91 (3.58")	49 (1.93")	97 (3.82")
V2.062P	1:1	17 (.67")	93 (3.66")	1.65 (3.63)	120 (4.72")	65 (2.56")	136 (5.36")
V2.102P	1:1	28 (1.10")	120(4.72")	3.5 (7.70)	157 (6.18")	83 (3.27")	162 (6.38")
V2.132P	1:1	35 (1.38")	151(5.94")	5.3 (11.67)	195 (7.68")	102 (4.02")	183 (7.20")
V2.182P	1:1	41(1.61")	173(6.81")	8.3 (15.22)	229 (9.11")	122 (4.80")	183 (7.20")

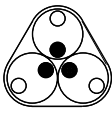


flangia di posizione (optional)

The three spindle adjustable center head enables simultaneous three hole drilling or tapping operations. The head is supplied with collar, entrainer, coupling and collet holder. The head can have a flange that sets the axis center.

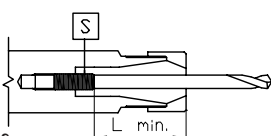
Note: Fixed center multi-spindle heads can be manufactured per the customer's specific needs and are recommended for excessive production cycles.



	FEATURES				HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES											
	500 N/mm ² Steel		 R.P.M.	 page101	F.10	M.12.100	F.14	M.16.80	F.24	M.28	M.38					
	∅	M			M.12.50	M.16.130	F.20	M.20.80	F.CN.24							
					TAPER B12	TAPER B12	TAPER B18		ISO 30		TR ∅28		TR ∅36			
		AT 1	H	AT 15	H	AT 6	H	AT 11	H	AT 13	H	AT	H			
V3.043P	4	3	4000	ER. 8	44560291	54	44560660	54	44560320	74		/	/	/	/	
V3.063P	6	5	4000	ER. 11	44560293	54	44560661	54	44560322	74	44560340	27	44560350	72	44560281	79
V3.103P	10	8	3500	ER. 16	44560295	61	44560662	61	44560324	81	44560342	34	44560352	79	44560283	86
V3.133P	13	12	3000	ER. 20		/	/	44560326	81	44560344	34	44560354	79	44560285	86	
V3.183P	18	14	2500	ER. 25		/	/	44560328	81	44560346	34	44560356	79	44560287	86	

	FEATURES				HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES											
	500 N/mm ² Steel		 R.P.M.	 page101	F.I.42	M.42	F.25	F.32	F.40	F.50						
	∅	M			F.CN.42				F.CN.24							
					ISO 40	H	TR ∅36	H	ISO 30	H	ISO 30	H	ISO 40	H	ISO 50	H
V3.043P	4	3	4000	ER. 8												
V3.063P	6	5	4000	ER. 11												
V3.103P	10	8	3500	ER. 16	44560710	44.5	44560760	89	44560810	49	44560860	49	44560910	46	44560960	53
V3.133P	13	12	3000	ER. 20	44560711	44.5	44560761	89	44560811	49	44560861	49	44560911	46	44560961	53
V3.183P	18	14	2500	ER. 25	44560712	44.5	44560762	89	44560812	49	44560862	49	44560912	46	44560962	53

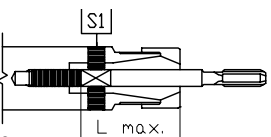
Set drill bit protrusion adjusting screw S.



Metric sizes

L min.	V3.043	V3.063	V3.103	V3.133	V3.183
	22	27	37	43	49

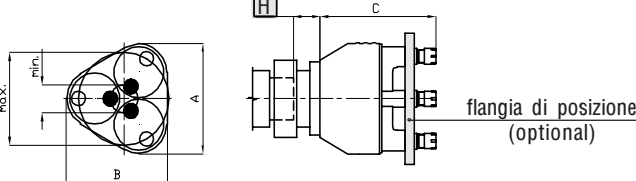
For tapping remove screw S and tighten tap square drive grub screws S1.




Metric sizes

L max.	V3.043	V3.063	V3.103	V3.133	V3.183
	22	27	44	52	49

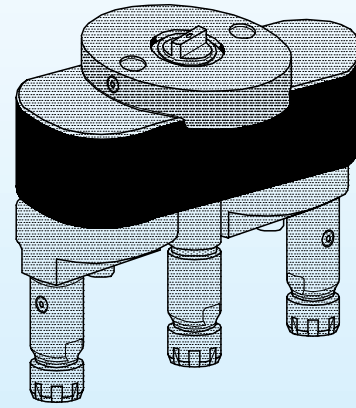
Size H is indicated in the above chart next to the code number

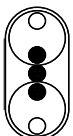






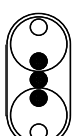




Metric sizes

	INPUT/OUTPUT RATIO	MINIMUM CENTRES DISTANCE mm (inch)	MAXIMUM CENTRES DISTANCE mm (inch)	WEIGHT Kgs (lbs)	A mm (inch)	B mm (inch)	COLLET SPINDLE mm (inch)
					A	B	C
V3.043P	1:1	18.5 (.728")	78.5 (3.090")	1.4 (3.08)	91 (3.582")	85 (3.346")	97 (3.818")
V3.063P	1:1	27 (.940")	103 (4.055")	2.3 (5.06)	120 (4.724")	112 (4.409")	136 (5.354")
V3.103P	1:1	40 (1.574")	132 (5.196")	4.9 (10.781)	157.5 (6.200")	147.5 (5.807")	162 (6.377")
V3.133P	1:1	51 (2.007")	167 (6.574")	8.3 (18.261)	196 (7.716")	183 (7.204")	183 (7.204")
V3.183P	1:1	59 (2.322")	191 (7.519")	12 (26.402)	230 (9.055")	216 (8.503")	183 (7.204")

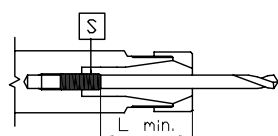
The three spindle adjustable center linear head enables simultaneous three hole drilling or tapping operations. The head is supplied with collar, entrainer, coupling and collet holder. The head can have a flange that sets the axis center. Note: Fixed center multi-spindle heads can be manufactured per the customer's specific needs and are recommended for excessive production cycles.



 500 N/mm ² Steel   Ø M  R.P.M.  page101	HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES																						
	F.10		M.12.100		F.14		M.16.80		F.24		M.28		M.38										
	M.12.50		M.16.130		F.20		M.20.80		F.CN.24														
	TAPER B12		TAPER B12		TAPER B18		ISO 30		TR ø28		TR ø36												
AT 1		H		AT 15		H		AT 6		H		AT 11		H		AT 13		H		AT		H	
V3L.043LP	4	3	4000	ER. 8	44560371	54	44560670	54	44560400	74		/		/		/							
V3L.063LP	6	5	4000	ER.11	44560373	54	44560671	54	44560402	74	44560420	27	44560430	72	44560361	79							
V3L.103LP	10	8	3500	ER.16	44560375	61	44560672	61	44560404	81	44560422	34	44560432	79	44560363	86							
V3L.133LP	13	12	3000	ER.20		/		/	44560406	81	44560424	34	44560434	79	44560365	86							
V3L.183LP	18	14	2500	ER.25		/		/	44560408	81	44560426	34	44560436	79	44560367	86							

 Acciaio 500 N/mm ²   Ø M  R.P.M.  page101	HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES																						
	F.I.42		M.42		F.25		F.32		F.40		F.50												
	F.CN.42								F.CN.24														
	ISO 40		H		TR ø36		H		ISO 30		H		ISO 30		H		ISO 40		H		ISO 50		H
V3L.043LP	4	3	4000	ER. 8																			
V3L.063LP	6	5	4000	ER.11																			
V3L.103LP	10	8	3500	ER.16	44560720	44.5	44560770	89	44560820	49	44560870	49	44560920	46	44560970	53							
V3L.133LP	13	12	3000	ER.20	44560721	44.5	44560771	89	44560821	49	44560871	49	44560921	46	44560971	53							
V3L.183LP	18	14	2500	ER.25	44560722	44.5	44560772	89	44560822	49	44560872	49	44560922	46	44560972	53							

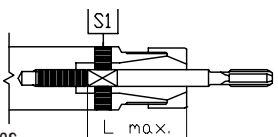
Set drill bit protrusion by adjusting screw S.



Metric sizes

L min.	V3L.043L	V3L.063L	V3L.103L	V3L.133L	V3L.183L
	22	27	37	43	49

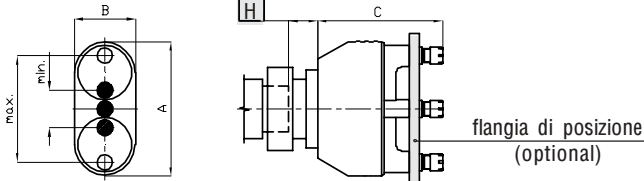
For tapping remove screw S and tighten tap square drive grub screws S1.



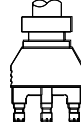
Metric sizes

L max.	V3L.043L	V3L.063L	V3L.103L	V3L.133L	V3L.183L
	22	27	44	52	49

Size H is indicated in the above chart next to the code number

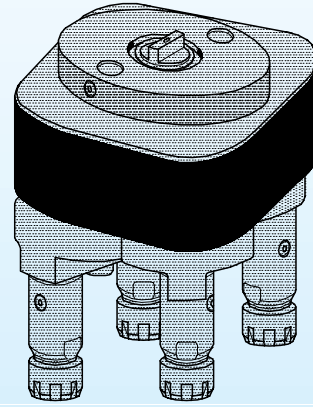


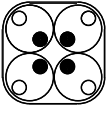



Metric sizes

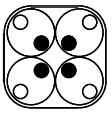



	INPUT/OUTPUT RATIO	MINIMUM CENTRES DISTANCE mm (inch)	MAXIMUM CENTRES DISTANCE mm (inch)	WEIGHT Kgs (lbs)	A mm (inch)	B mm (inch)	COLLET SPINDLE mm (inch)
					A	B	C
V3L.043LP	1:1	24 (.944")	84 (3.307")	1.05 (2.31)	103 (4.055")	49 (1.929")	97 (3.818")
V3L.063LP	1:1	35 (1.377")	111 (4.370")	1.95 (2.20)	138 (5.433")	65 (2.559")	136 (5.354")
V3L.103LP	1:1	56 (2.204")	148 (5.826")	4.9 (10.78)	189 (7.44")	87 (3.425")	162 (6.377")
V3L.133LP	1:1	70 (2.755")	186 (7.322")	7.2 (15.84)	230 (9.055")	102 (4.015")	183 (7.204")
V3L.183LP	1:1	82 (3.228")	214 (8.425")	10.75 (23.65)	270 (10.629")	122 (4.803")	183 (7.204")

The four spindle adjustable center head enables simultaneous four hole drilling or tapping operations. The head is supplied with collar, entrainer, coupling and collet holder. The head can have a flange that sets the axis center.

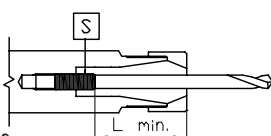
Note: Fixed center multi-spindle heads can be manufactured per the customer's specific needs and are recommended for excessive production cycles.



 500 N/mm ² Steel  \emptyset M  R.P.M.  page101	FEATURES														HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES													
	F.10		M.12.100		F.14		M.16.80		F.24		M.28		M.38		F.10		M.12.100		F.14		M.16.80		F.24		M.28		M.38	
	M.12.50		M.16.130		F.20		M.20.80		F.CN.24																			
	TAPER B12		TAPER B12		TAPER B18		ISO 30		TR \emptyset 28		TR \emptyset 36																	
AT 1		H		AT 15		H		AT 6		H		AT 11		H		AT 13		H		AT		H						
V4.044P	4	3	4000	ER. 8	44560451	54	44560680	54	44560480	74		/		/		/		/										
V4.064P	6	5	4000	ER.11	44560453	54	44560681	54	44560482	74	44560500	27	44560510	72	44560441	79												
V4.104P	10	8	3500	ER.16	44560455	61	44560682	61	44560484	81	44560502	34	44560512	79	44560443	86												
V4.134P	13	12	3000	ER.20		/		/	44560486	81	44560504	34	44560514	79	44560445	86												
V4.184P	18	14	2500	ER.25		/		/	44560488	81	44560506	34	44560516	79	44560447	86												

 500 N/mm ² Steel  \emptyset M  R.P.M.  page101	FEATURES														HEADS COMPLETE (TO FIT UNIT MODELS) ORDERING CODES													
	F.I.42		M.42		F.25		F.32		F.40		F.50		F.I.42		M.42		F.25		F.32		F.40		F.50					
	F.CN.42								F.CN.24																			
	ISO 40		H		TR \emptyset 36		H		ISO 30		H		ISO 30		H		ISO 40		H		ISO 50		H					
V4.044P	4	3	4000	ER. 8																								
V4.064P	6	5	4000	ER.11																								
V4.104P	10	8	3500	ER.16	44560730	44.5	44560780	89	44560830	49	44560880	49	44560930	46	44560980	53												
V4.134P	13	12	3000	ER.20	44560731	44.5	44560781	89	44560831	49	44560881	49	44560931	46	44560981	53												
V4.184P	18	14	2500	ER.25	44560732	44.5	44560782	89	44560832	49	44560882	49	44560932	46	44560982	53												

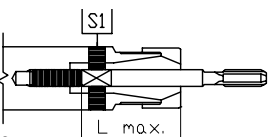
Set drill bit protrusion by adjusting screw S.



Metric sizes

L min.	V4.044	V4.064	V4.104	V4.134	V4.184
	22	27	37	43	49

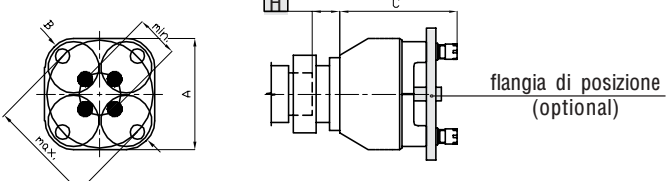
For tapping remove screw S and tighten tap square drive grub screws S1.



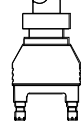
Metric sizes

L max.	V4.044	V4.064	V4.104	V4.134	V4.184
	22	27	44	52	49

Size H is indicated in the above chart next to the code number



Metric sizes

	INPUT/OUTPUT RATIO	MINIMUM CENTRES DISTANCE mm (inch)	MAXIMUM CENTRES DISTANCE mm (inch)	WEIGHT Kgs (lbs)	A mm (inch)	B mm (inch)	COLLET SPINDLE mm (inch)
					A	B	C
V4.044P	1:1	29.5 (1.161")	89.5 (3.523)	1.9 (4.18)	91 (3.582")	108.5 (4.271")	97 (3.818")
V4.064P	1:1	41 (1.614")	117 (4.606")	3.1 (6.82)	119 (4.685")	142 (5.590")	136 (5.354")
V4.104P	1:1	60 (2.362")	152 (5.984")	7.2 (15.841)	158 (6.220")	189 (7.440")	162 (6.377")
V4.134P	1:1	75 (2.952")	191 (7.519")	10.8 (23.762)	196 (7.716")	235 (9.251")	183 (7.204")
V4.184P	1:1	86 (3.385")	218 (8.582")	15.75 (34.653)	230 (9.055")	274 (10.787")	183 (7.204")