

Handy

Handheld screw Fasteners with Suitable Screws

Vis Setter

MK-3020, 3150V

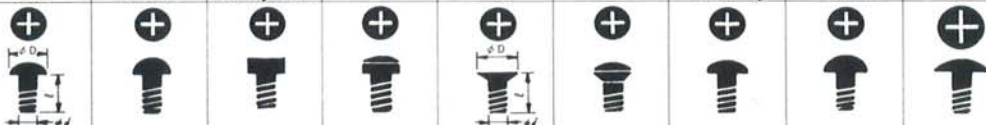
FEATURES

1. Excellent for high volume applications!
2. Screw locker makes finding the fastening location easy!
3. Increased production efficiency!
4. Easy Handling and Having a wide range of applications.

Driver

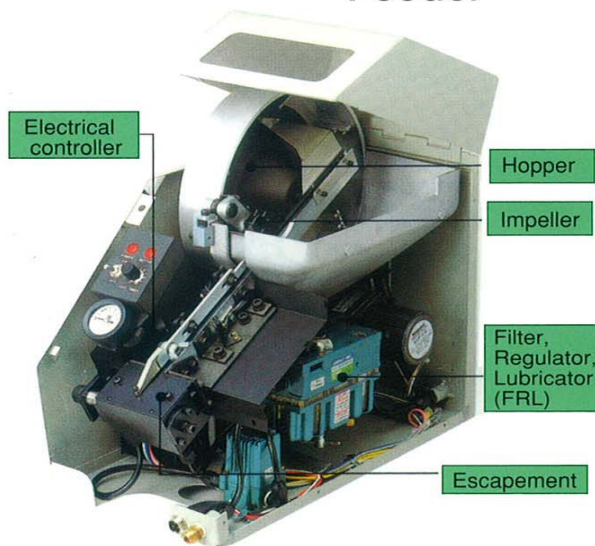


Applicable standard screw with Handy series Screws Fasteners

Applicable Standard Screws	Screw type		Small screws, tapping screws																											
	Screw Head Shapes		Pan		Round		Flat Cylinder		Fillister		Flat		Oval		Binding		Brazier		Truss											
																														
	Screw Head Categories		A												B ₁				B ₂				C							
	Screw shank diameter(d)		M 2				M2.5				M 3				M3.5				M 4				M 5				M 6			
	Screw head shapes		A	B ₁	B ₂	C	A	B ₁	B ₂	C	A	B ₁	B ₂	C	A	B ₁	B ₂	C	A	B ₁	B ₂	C	A	B ₁	B ₂	C	A	B ₁	B ₂	C
	Screw head diameter (D)		3.5	4	4.3	4.5	4.5	5	5.3	5.7	5.5	6	6.4	6.9	6	7	7.4	8.1	7	8	8.5	9.4	9	10	10.6	11.8	10.5	12	12.4	—
	Screw head diameter tolerance		-0.4												-0.5				-0.6				-0.7				—			
	Spring-washer diameter		—												—				—				—				—			
	Spring-washer thickness		—												—				—				—				—			
Flat washer diameter		—												—				—				—				—				
Flat washer thickness		—												—				—				—				—				
Screw nominal length (ℓ)		*1: Minimum	5	8	6	6	6	8	8	8	6	10	8	10	8	12	10	12	8	12	10	12	12	15	14	16	14	18	16	—
		*2: Typical	12	18	19	22	21	20	25	18	25	23	25	25		22		25		25		25		25		25		—		
		*3: Maximum	20				25				25				25				25				25				—			
Feeder	Model No. Hopper capacity																													
	MK-3020	450cc																												
	MK-3150V	450cc																												
	MK-3110V	1,500cc																												
Driver	Electronic driver	See page 7 in this catalog for "Driver Units".																												
	Air driver	Part No	Torque (Nm)	Road speed (r.p.m)																										
		35	1.15,2.0	2,000																										
		40 S	1.15,2.0	2,300																										
		40	1.5,2.0,2.5	1,400																										
50	2.0,2.5,3.0	1,400																												

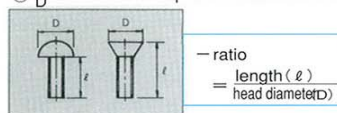
See page 7 in this catalog for "Driver Units".

Check points before selecting standard drivers and feeders (Handy)



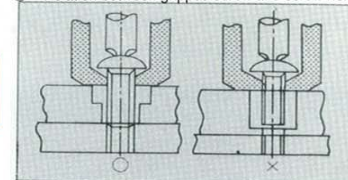
MK-3020

① $\frac{\ell}{D}$ ratio of screws capable of automatic feed

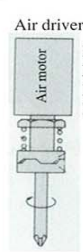
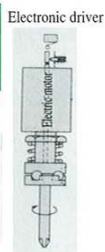


※See typical applications
on page 4

③-1 Relation between gripped screw and screw hole

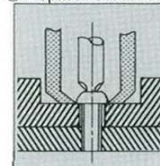


② Select the optimum driver

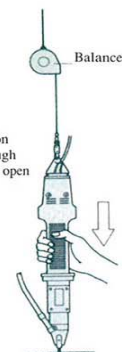


Model 35
Model 40S
Model 40
Model 50

③-2 Space needed for screw-tightening



- Screw fastener section must have just enough space for the jaws to open



Standard operating technique

Sems screws						Double Sems screws						Wooden screws						Remarks							
Pan		Binding		Brazier		Pan		Binding		Brazier		Round		Flat		Oval									
A(S)		B2(S)				A(WS)		B2(WS)				A(W)		B1(W)											
2.5	3	4	5			2.5	3	4	5			2.1	2.4	2.7	3.1	3.5									
A	B2	A	B2	A	B2	A	B2	A	B2	A	B2	A	B1	A	B1	A	B1	A	B1						
4.5	5.3	5.5	6.4	7	8.5	9	10.6	4.5	5.5	5.5	6.4	7	8.5	9	10.6	3.9	4.2	4.4	4.8	5	5.4	5.7	6.2	6.5	7
-0.4	-0.5	-0.5	-0.6	-0.5	-0.4	-0.5	-0.5	-0.6	-0.6	-0.21	-0.4	±0.2	-0.4	±0.2	-0.4	±0.2	-0.4	±0.25	-0.5	±0.25	-0.5				
4.8	5.5	7	8.5	4.8	5.5	7	8.5	4.8	5.5	7	8.5														
0.6	0.7	1.0	1.3	0.6	0.7	1.0	1.3	0.6	0.7	1.0	1.3														
						6.5	0.35	7	0.35	9	0.35	10	0.35												
						0.5	0.5	0.8	0.8																
6	8	8	10	10	12	12	14	10	10	12	12	14	16	6	8	8	8	8	8	8	10	10	12		
22	20	18	23	22	25	25		25	25	25	25	25		16		22	22	21	24	25	22	24			
25	25	25	25	25	25	25	25	25	25	25	25	25		16	25	25	25	25	25	25	25	25			
																					● Maximum screw length that can be supplied in custom models is 40 mm.				
																					● Maximum screw length that can be supplied is 25mm.				
																					● Maximum screw length that can be supplied is 40 mm.				
See page 7 in this catalog for "Driver Units".																		● Air driver output torque is shown as the maximum output torque of each spring (strong, medium, weak)							