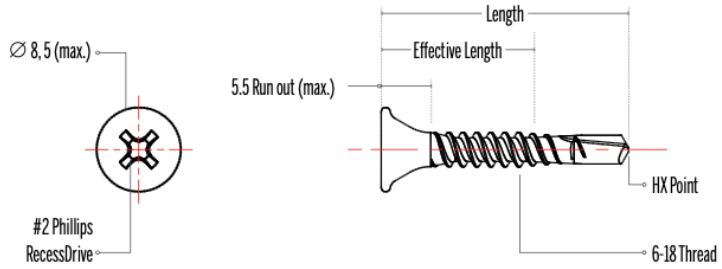
Product Technical Data sheet

SPECIFICATION: M3.5X50MM, SELF DRILLING SCREWS, BUGLE HEAD , BLACK PHOSPHATE, HARDENED



PHYSICAL SPECIFICATIONS

Part No.	Gauge	TPI	Length
DWGY62025 - DWGY82025	6 and 8	20	25 mm
DWGY62035 - DWGY82035	6 and 8	20	35 mm
DWGY62040 - DWGY82040	6 and 8	20	40 mm
DWGY62045 - DWGY82045	6 and 8	20	45 mm

OTHER SPECIFICATIONS

Finish 1: Zinc Coating in White; 24 and 48 hours under ASTM B117
Finish 2: Black Phosphate Coating in Black; 1000 hours Salt Spray tested as per AS2331.3.1 under AS3556.2 - 2002 Class 3
Screw Point: Also available in sharp point

INSTALLATION GUIDELINES

Use Phillips Cross Recess Driver Bit #2
Utilise a mains-powered / cordless screw driver with 3000 RPM speed
Fit the Phillips Driver Bit #2 into the screw and position it at the place of fastening
Place firm pressure (end load) to the screw driver until the screw is drilled and fixed

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TEST RESULTS

Product : Self Drilling Screws, Bugle Head , Black Phosphate, Hardened, #2 Phillips ,
Size : 3.5mm x 50mm – Collated.

Characteristics		Instrument	Dimensions Specification		Samples	AC	RE	Inspection Results		Judgment	Footnote
			Min.	Max.				Min.	Max.		
	Type of Screw	Visual	Type - SS		25	25	0	OK		OK	
	Head Diameter	Vernier Caliper	7.80	8.20	10	10	0	7.90	8.05	OK	
	Head Height	Vernier Caliper	0.80	1.00	10	10	0	0.84	0.86	OK	
	Recess Penetration Depth	Depth Gauge	2.59	3.10	25	25	0	2.71	2.73	OK	
	Type of Recess	Visual	#2 Philips		10	10	0	OK		OK	
	Major Diameter	Micrometer	3.40	3.60	25	25	0	3.45	3.52	OK	
	Threads per Inch ± 10%	Visual	20		10	10	0	OK		OK	
	Radius	Radius Gauge	Ref. 4.5 ±0.5		10	10	0	4.60	4.70	OK	
	Thread Length	Vernier Caliper	FULLY		10	10	0	OK		OK	
	Length	Vernier Caliper	49.80	51.80	25	25	0	49.92	50.35	OK	
	SDP Dia	Micrometer	2.80min.		10	10	0	2.83	2.84	OK	
	Point Length	Vernier Caliper	4.00	4.50	10	10	0	4.40	4.50	OK	
	Finish Treatment	Visual	Black Phos		25	25	0	OK		OK	
	Torque (Kgf-cm)	Torque Wrench	Min. 28		10	10	0	36	38	OK	
	Thread Degree	Profile Projector	Ref. 60° ±3°		10	10	0	57°	59°	OK	
	Point Degree	Profile Projector	105°	115°	10	10	0	105°	107°	OK	
	Drill Drive Test : Max. 4.0 Sec.	Drilling Testing	Thickness : 2.00 mm Axial Load : 15 kg 2500 RPM		25	25	0	0.98	1.35	OK	
	Surface Hardened (HV)	Vickers Hardness	600-700 HV		3	3	0	639	646	OK	
	Salt Spray life (Hour)	Salt Spray Testing	48 Hrs		5	5	0	No Rust		OK	



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