DUTASO ([®] Advanced socket screw technology

High-performance socket screws

Durasok socket screws are advanced in design and manufacture technology which make them high-performance. They are very well used in industries like aviation, automotive, high speed train, military, heavy equipment, etc.

High performance leads to reduced number of screws used for the same joint, smaller and lighter equipment, less machine failure and down time. Durasok means extra benefit at less cost.

Excellent design and performance

1 Higher level of mechanical properties

- 2 Smooth wide radius at the root of the runout and complete threads render Durasok stronger and more fatigue resistant than regular flat or sharp root thread screws.
- 3 Specially designed fillet radius increases screw fatigue life by 100% at critical head shank juncture
- 4 Optimized tooling and forging technology drive metal to flow evenly and continually without laps, endowing Durasok with excellent properties
- ⁵ Patented marking of thread size in the head facilitates the identification of the screw size
- 6 Tight tolerance and well controlled depth of the socket engage the wrench to the best making proper seating of the screw easier

12.9

Available exclusively through All-Tech Hardware



State-of-the-art Durasok Socket Screw Manufacturing Facilities





on Multi Die Forme









Add: 1475 Avenue S, Suite 302 Grand Prairie, TX 75050 Phone:1-404-328-5969 E-mail: sales@alltechhardware.com www.alltechhardware.com

Durasok socket screws are available in the US thru All-Tech, providing top-grade solution for customers who demand maximum precision, service life, reliability and premium technical services.

Reliable process and service

- Advanced quality management system: ISO9001, TS16949 and AS9100 certified
- Computerized annealing, heat treat and finish process for quality uniformity
- State-of-the-art raw material spheroidizing annealing equipment & technology form good basis for best product property
- Latest coating technology to ensure long period of protection against corrosion
- Special technical training and support for distributors and customers
- Strict production and dispatching record kept for total traceability solution
- Complete product range and stock available

Please visit our web site to learn more:

www.autocraft-global.com

iii autocraft





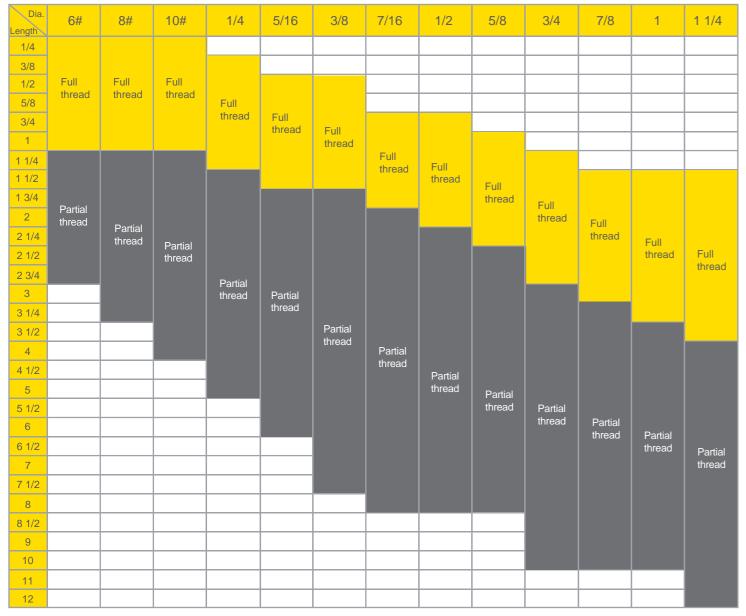


Technical Specifications													
	Diameter	Length	Grade	HRC	Tensile strengt	h Surface	Surface treatment		Raw material				
ASME B18.3 & ASTM A574	0# - 1/2	1/4 - 8	alloy steel	39 - 45	≥180,000 PSI	Black	Black oxide		SCM435				
	5/8 - 1 1/4	1 - 12	alloy steel	37 - 45	≥170,000 PSI	Black oxide		SCM435/SCM440					
	Material Chemical Composition												
SCM 435	C 0.33% - 0.38	3% Si 0.1	5% - 0.35%	Mn 0.6% - 0.85%	P < 0.03%	S< 0.03%	Cr 0.9% - 1.2%		Mo 0.15% - 0.3%				
SCM 440	C 0.38% - 0.43	3% Si 0.1	5% - 0.35%	Mn 0.6% - 0.85%	P < 0.03%	S < 0.03%	Cr 0.9% - 1.2%		Mo 0.15% - 0.3%				

* a wide range of other coating and surface treatment technologies available on customer request, such as Delta, Magni, Geomet, Dacromet, etc.

DURASOK SOCKET HEAD CAP SCREW SIZE RANGE

* Longer length and bigger diameter than listed also available

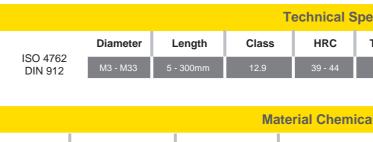


Durasok[®]

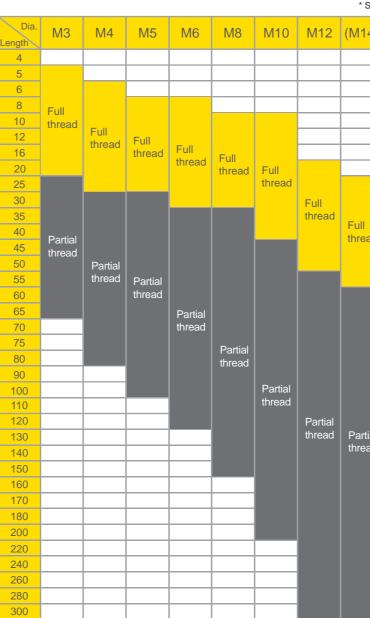
Manufactured by Shanghai Autocraft Co., Ltd. in collaboration with All-Tech Hardware LLC.

Add: 1475 Avenue S, Suite 302 Grand Prairie, TX 75050 Phone:1-404-328-5969 E-mail: sales@alltechhardware.com www.alltechhardware.com





						Те	chnica	I Speci	ificatio	ns						
				Length	Length Class			HRC Tensile strength		ength	Surface treatment			Raw material		
) 4762 N 912	M3 - N	133	5 - 300mm	1	2.9	39 - 44		≥ 1220 MI	Pa	В	lack oxide		SCM4	35 / SCM44	40
						Mator	ial Che	emical (Compo	sition						
						Mater		micar	compo							
SCM	435	C 0.33%	- 0.38%	÷	15% - 0.3	_	1n 0.6% -		P < 0.		S<0.02		0.9% - 1		/lo 0.15%	
SCM	440	C 0.38%	- 0.43%	Si 0.1	15% - 0.3	85% N	1n 0.6% -	0.85%	P < 0.	025%	S<0.02	25% Cr	0.9% - 1	.2% N	/lo 0.15%	- 0.3%
* a wide ra	nge of othe	er coating a	nd surface	treatment	technologie	es available	on custom	ner request	, such as I	Delta, Magr	ni, Geomet	, Dacrome	t, etc.			
DUI	RAS	SOK	SC	CK	ETI	HEA		CAP	SC	RE\	NS	IZE	RA	NG	Ξ	
								* Size	s in bracke	ts are not p	oreferred.	Longer leng	gth and bigg	er diameter	than listed a	lso available.
Dia.	M3	M4	M5	M6	M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)
Length	IVIS	1014	IVID					(1114)	IVITO		IVIZO		IVIZ4		10130	(10133)
4 5																
6																
8	Full															
10	thread	Full	Full thread	Full thread	Full thread	Full										
12 16		thread														
20																
25					throad	thread										
30							Full									
35							thread	Full	Full							
40 45	Partial		Partial					thread	thread							
50	thread	Partial								Full	Full					
55		thread														
60			Partial							thread	Full thread	Full				
65			thread									Full thread	Full thread	Full		
///				Partial										Full thread	Full	Full
70 75				Partial thread	Destial										Full thread	Full thread
75 80				throad	Partial thread											
75 80 90				throad		Dartial										
75 80 90 100				throad		Partial thread										
75 80 90				throad			Partial									
75 80 90 100 110 120 130				throad			Partial thread	Partial	Partial							
75 80 90 100 110 120 130 140				throad				Partial thread	Partial thread	Partial	thread					
75 80 90 100 110 120 130 140 150				throad						thread		thread				
75 80 90 100 110 120 130 140				throad						Partial	Partial	thread	thread	thread	thread	thread
75 80 90 100 110 120 130 140 150 160				throad						Partial	Partial	thread	thread		thread	Partial
75 80 90 100 110 120 130 140 150 160 170 180 200				throad						Partial	Partial	thread	thread	Partial	thread	thread
75 80 90 100 110 120 130 140 150 160 170 180 200 220				throad						Partial	Partial	thread	thread	Partial	thread	Partial
75 80 90 100 110 120 130 140 150 160 170 180 200 220 240				throad						Partial	Partial	thread	thread	Partial	thread	Partial
75 80 90 100 110 120 130 140 150 160 170 180 200 220				throad						Partial	Partial	thread	thread	Partial	thread	Partial



Durasok[®]

Manufactured by Shanghai Autocraft Co., Ltd. in collaboration with All-Tech Hardware LLC.

Add: 1475 Avenue S, Suite 302 Grand Prairie, TX 75050 Phone:1-404-328-5969 E-mail: sales@alltechhardware.com www.alltechhardware.com

