

## AMS 5659, 15-5PH ACCIAIO INOSSIDABILE

15-5ph (AMS 5659) è un acciaio inossidabile temprabile a precipitazione. È un materiale di resistenza medio-alta ottenuto attraverso adeguati trattamenti di invecchiamento (vedi tabella sotto). Può essere prodotto sia con elettrodi di fusione di consumo(ESR) che con rifusione ad arco di vuoto (VAR). Ha ottime proprietà trasversali ed è resistente alla corrosione.

Specific Gravity											
7.8 g/cm3											
Typical Applications						Related Specifications					
Shafts Gears Aircraft Structural parts Fittings Fasteners Valve parts						AMS 5659 UNS S15500 W.Nr 1.4545					
Chemical Composition (Wt %)											
	C	Si	Mn	P	S	Cr	Mo	Ni	Cb	Cu	Fe
Min	–	–	–	–	–	14.00	–	3.50	5 x %	2.50	Bal
Max	0.07	1.00	1.00	0.030	0.015	15.50	0.50	5.50	0.45	4.50	–
Typical Mechanical Properties											
	0.2% Proof Stress	Tensile Strength	Elongation		Reduction of area		Hardness				
	MPA	MPA	%		%		HB				
	Min	Min	Min		Min		Min	Max			
			L	T	L	T					
H900	1172	1310	10	6	35	20	388				

<b>H925</b>	1069	1172	10	7	38	25	375	
<b>H1025</b>	1000	1069	12	8	45	32	331	
<b>H1075</b>	862	1000	13	9	45	33	311	
<b>H1100</b>	793	965	14	10	45	34	302	
<b>H1150</b>	724	931	16	11	50	35	277	

\* Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change without notice.

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