



		Duramin-160
<b>Hardness methods</b>	Vickers	N.A.
	Knopp	N.A.
	Brinell	Optional
	Rockwell - optional	ISO 6508 ASTM E18 JIS Z 2245
<b>Force range</b>		9.8-2451 N (1-250 kgf)
<b>Test force</b>	Force application	Fully automatic, closed loop, force feedback, loading, dwell, unloading
	Test force tolerance	0.5 %
	Dwell time settings	Adjustable 1 to 99 s
<b>Turret</b>		1
<b>Electrical data</b>	Power supply	100 V AC - 240 V AC, 50/60Hz, single phase
	Power consumption load	29 W
	Power consumption idle	23 W
	Power consumption max. load Power consumption Max. load	30 W
	Power inlet	1-phase (N+L1+PE) or 2-phase (L1+L2+PE) The electrical installation must comply with Installation Category II
<b>Residual Current Circuit Breaker (RCCB)</b>	Power inlet	1-phase (N+L1+PE) or 2-phase (L1+L2+PE) The electrical installation must comply with Installation Category II
<b>Dimensions</b>	Width	291 mm (11.5")
	Depth	580 mm (22.8")
	Height	855 mm (33.7")
<b>Weight</b>	Duramin-160	146 Kg (322 lbs)
	Duramin-160 Z	156 kg (344 lbs)
<b>Read method</b>		Automated
<b>Overview camera resolution</b>		N.A.
<b>Overview camera field of view</b>		N.A.
<b>Measurement camera resolution</b>		N.A.
<b>Positions in nosepiece</b>		1



<b>Duramin-160</b>		
<b>Position in nosepiece for overview camera</b>		
<b>Max no. of Indenters</b>	<b>Max no. of indenters</b>	1
<b>Max No. of Objectives</b>	<b>Max No. of Objectives</b>	N.A.
<b>Indenter Shaft</b>	<b>Diameter</b>	6.35 mm
<b>Standard objectives included</b>		N.A.
<b>Z-Axis</b>		Manual (Motorized optional)
<b>Anti-colission protection</b>		No
<b>XY Stage / Anvil</b>		Anvil
<b>Stage Size</b>		Ø80 mm (3.1")
<b>Stage Stroke (travel range)</b>		N.A.
<b>Auto Illumination</b>		No
<b>Stage Illumination</b>		Yes
<b>Laser/LED Guide</b>		No
<b>Software</b>	<b>Operating software</b>	Windows 10
	<b>Integrated PC</b>	Embedded Windows PC
	<b>Monitor</b>	6.5" portrait mode capacitive touch screen
	<b>Dual view</b>	No
	<b>Possibility to connect Printer</b>	No
	<b>Ethernet Connection</b>	No
	<b>Data Export</b>	UTP network, USB A 3.0, USB A 2.0, Bluetooth
<b>System</b>	<b>Data output</b>	CSV, PDF
<b>Software modules</b>		Total test, max, min, average, range, standard deviation, all in real time after each test
<b>Sample height</b>		50 mm (2")
<b>Throat depth</b>		195 mm (7.7")
<b>Safety standards</b>		CE labelled according to EU directives
<b>REACH</b>		For information about REACH. contact your local Struers office



**TECHNICAL DATA**

**Duramin-160**

<b>Duramin-160</b>		
<b>Operating environment</b>	Surrounding temperature	10-35°C (50-95°F)
	Humidity	10%-90% RH non-condensing
<b>Safety Circuit Categories/Performance Level</b>	Emergency stop	EN ISO 13849-1 PL c, Category 1 Stop category 0
<b>Noise level</b>	A-weighted sound emission pressure level at workstations	< 70 dB(A)
<b>Vibration level</b>	During operation	Total vibration exposure to upper parts of the body does not exceed 2.5 m/s <sup>2</sup> .

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