



ROXDUR

ROXON ROXDUR plates are a unique wear protection composite material made from nodular cast iron and cemented carbides.

Combining mix of nodular cast iron and cemented carbides, ROXDUR has excellent resistance to heavy impacts and abrasive wear even in a same application. ROXDUR liners have achieved over 30 times longer maintenance interval compared to HB500 steel liners in different applications and even five times longer compared to white chromium liners.

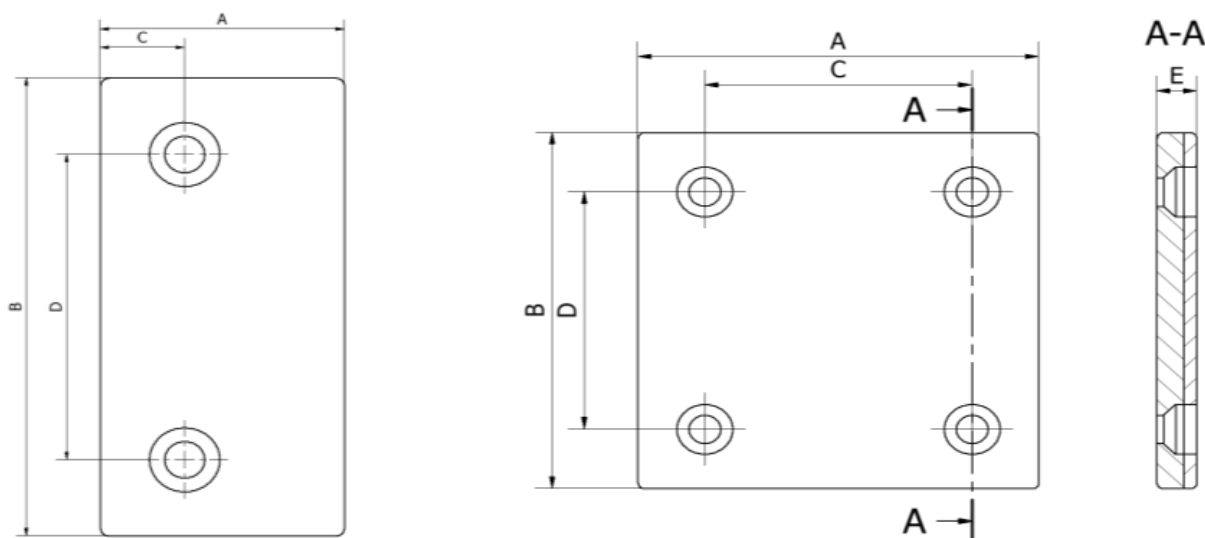
ROXDUR is the environmental choice for wear liners, as approximately 72 kg of CO₂ emissions is produced per ton of produced liners. Mainly recycled materials and renewable energy are used in the production of ROXDUR. Production is made under ISO9001 and ISO14001 certified foundry.

ROXDUR plates are not recommended for constant wet spray or very fine, high speed particle applications. Wear resistant properties are stable up to 600°C.

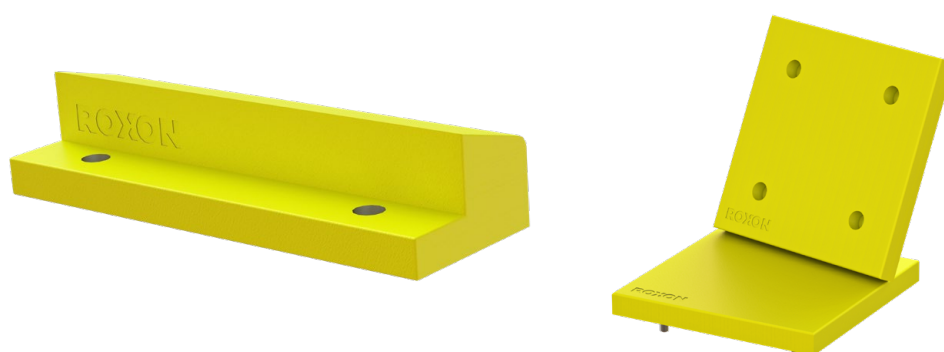
ROXON ROXDUR plates form a metallurgical bond between the nodular iron and cemented carbides.

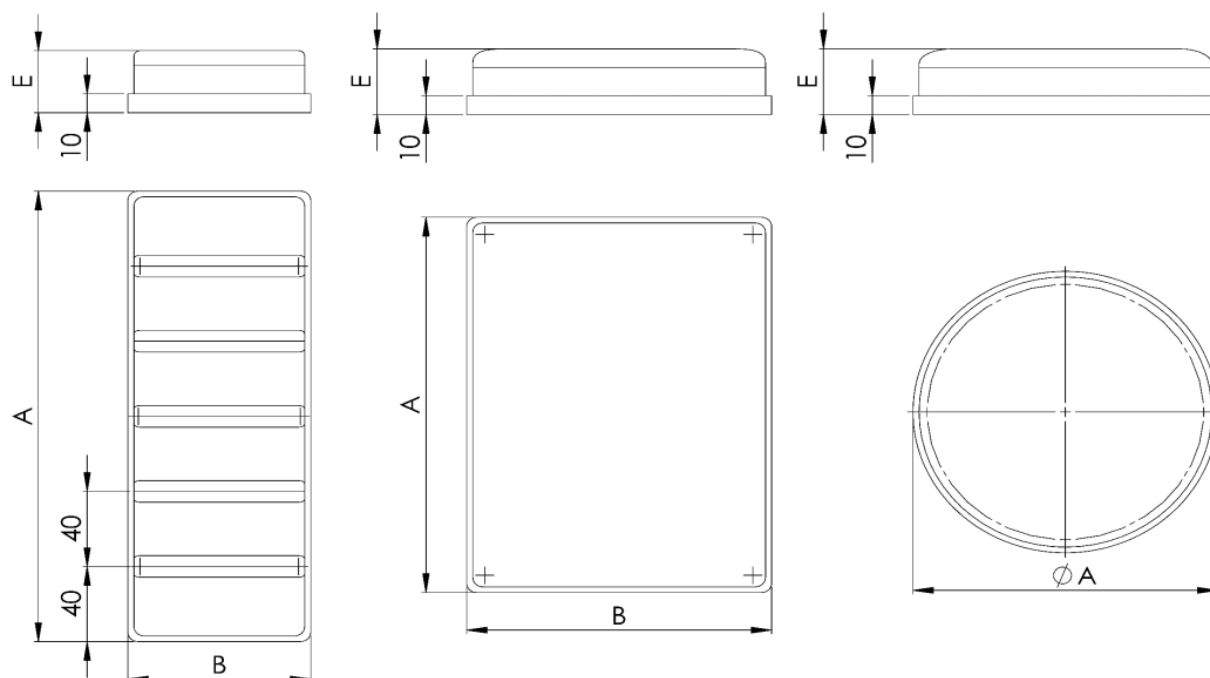
ROXDUR Composite	
Hardness Hv30	1800
Fracture Strength kp/mm ²	80–90
Yield Strenght kp/mm ²	60–70
Elongation %	2–5
Impact Strenght CVN J/cm ²	10
Elasticity Modulus GPA	170

ROXDUR standard stock plates are available mainly in 30 mm and 50 mm versions. The thickness of the plate is determined by impact height and size of material.



Item code	Item number	Description	Dimensions A x B (mm)	Thickness E (mm)	Bolt C-C C x D (mm)	For Bolt Pcs x mm	Weight (kg/unit)
S1053770	ROXDUR 30030030-1	LINER 300x300 30 4 CS24-1	300 x 300	30	200 x 200	4 x M20	23
S1053769	ROXDUR 14530030-1	LINER 145x300 30 2 CS24-1	145 x 300	30	50 x 200	2 x M20	11
S1053763	ROXDUR 39039030-1	LINER 390x390 30 4 CS24-1	390 x 390	30	250 x 250	4 x M20	38
S1053604	ROXDUR 49049030-2	LINER 490x490 30 4 CS24-2	490 x 490	30	250 x 250	4 x M20	61
S1053761	ROXDUR 49549550-1	LINER 495x495 50 4 CS24-1	495 x 495	50	295 x 295	4 x M20	98
S1053762	ROXDUR 24049050-1	LINER 240x490x50 2 CS24-1	240 x 490	50	120 x 250	2 x M20	50
S1053775	EDGDUR 3701208035-1	EDGE LINER 370x120 80/35 2 SB18-1	120 x 370	35 / 80	30 x 250	M16	18
S1053776	EDGDUR 2401208035-1	EDGE LINER 240x120 80/35 2 SB18-1	120 x 240	35 / 80	30 x 125	M16	12





Item code	Item number	Description	Dimensions A x B (mm)	Thickness E (mm)	Weight (kg/unit)
S1054619	ROXBAR 5024033	WELDABLE BAR 50x240x33	240 x 50	33	3
S1054620	ROXBAR 9024033	WELDABLE BAR 90x240x33	240 x 90	33	5
S1054621	ROXBLOCK 15020035	WELDABLE BLOCK 150x200x35	200 x 150	35	8
S1054622	ROXBLOCK 20025035	WELDABLE BLOCK 200x250x35	250 x 200	35	14
S1054623	ROXBUTTON 10035	WELDABLE BUTTON Ø100/35	Ø100	35	2
S1054624	ROXBUTTON 15035	WELDABLE BUTTON Ø150/35	Ø150	35	5



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