



S2, S2X and SG1 Product Description

The Black Splitter S2, S2X and SG1 wood splitter attachments are designed to fit all models of excavators. The unique rotating threaded cone provides extremely efficient wood-splitting power for various timber types including hard, soft, straight, twisted, stumps and roots. The two piece chromium-steel cone with replaceable tip has a double helical thread design with a thread pitch of 24 mm for rapid penetration into the hardest of timber. The cone can also be used to maneuver and position individual logs before and after splitting, which the powerful grapple arms of the SG1 – each boasting 7700 lb of compressive force – make particularly easy to do.

The maintenance-free S2 and S2X attachments are available with three different size motors (630, 800, 800+) to enable adequate power and torque based on individual customer need and/or excavator size. The S2 and S2X are essentially the same attachment, but the S2X has a larger bracket flange, designed to fit larger attachment brackets for larger excavators. For this reason, the S2X also comes with a larger cone than that of the S2 (245 mm dia. instead of 200 mm dia.), which by design both shields and enables the attachment housing to follow the cone into the depth of the timber being split. For S2 or S2X attachments with the 800+ motor, a leakage oil return line must be attached to prevent damage to the motor shaft seal due to possible hydraulic oil leakage into the motor casing. The port for the leakage oil return line is located behind the adapter flange between the ports for the hydraulic hose connections.

The SG1 attachment is available with two motors (630 and 800) and is distinguished by its pincers-shaped grapple, which permits the excavator operator to gather, split and collect timber with this single attachment. The SG1 requires two auxiliary control circuits but can be manufactured to accommodate excavators equipped with only one auxiliary control circuit. For such excavators, a special system can also be incorporated into the SG1 manufacture to enable wood-splitting threaded cone operation within the grapple's grasp.

All Black Splitter attachments are sold with bracket plate, housing, hydraulic motor and cone assembly as complete units. Hydraulic hoses are not included. Excavator attachment brackets are also not included due to the wide variety of excavator bracket dimensions. However, attachment brackets can be readily welded to the bracket flange, which is bolted to the attachment housing. Instructions for safe attachment operation and handling are available in English and German.

Black Splitter manufactures the S2, S2X and SG1 in-house and all Black Splitter products have the required European Union (EU) CE designation. The CE marking certifies that the product has met EU health, safety, and environmental standards for consumer safety, before being placed on the market. These devices may be exported for use abroad inside and outside of the EU.

Black Splitter S2

Weight: 262 - 282 lb

Excavators: 1.5 - 6 MT

Cone:

Chromium-steel
200 mm dia.
double helical thread
24 mm thread pitch
2 pieces

Hydraulic Motor:

optional with max. torque 1724 ft-lb, , 1825 fl-lb, 2965 ft-lb

Motor Shaft:

90 to 100 mm dia.
bearing-mounted and sealed



Black Splitter S2X

Weight: 334 - 354 lb

Excavators: 5 - 14 MT

Cone:

chromium-steel
245 mm dia.
double helical thread
24 mm thread pitch
2 pieces

Hydraulic Motor:

optional with max. torque 1724 ft-lb, , 1825 fl-lb, 2965 ft-lb

Motor Shaft:

90 to 100 mm dia.
bearing-mounted and sealed



Black Splitter SG1

Weight: 365 - 392 lb

Excavators: 2.5 - 10 MT

Cone:

Chromium-steel
200 mm dia.
double helical thread
24 mm thread pitch
2 pieces

Grapple:

Hardox steel mounted in sinter bushings
surface-hardened pins and bolts
2 x 7700 lb compressive force



Hydraulic Motor:

optional with max. torque 1724 ft-lb or 1825 ft-lb

Motor Shaft:

90 to 100 mm dia.
bearing-mounted and sealed

Black Splitter Hydraulic Motor Operating Specifications

Motor Type	Inlet Pressure psi	Displacement cc	Max. Torque ft-lb	Leakage Oil Return Line ⁽¹⁾
630	2610 - 3335	666	1724	Not Required
800	2610 - 3045	801	1825	Not Required
800+	2610 - 5366	801	2965	Required

⁽¹⁾ required when continuous operating pressure exceeds 3625 psi