



ZEON-12 WINCH

Part Number: 89120

Rated Line Pull: 12,000 lbs. (5440 kgs)

Motor: 12V DC, Series Wound

Controls: Remote switch, 12' (3.7m) Lead

Gear train: 3-Stage Planetary

Gear Ratio: 216:1

Clutch (Freespool): Rotating Ring Gear

Brake: Automatic Direct Drive Cone

Drum diameter/length: 3.15"/9.3" (8.0cm/23.6cm)

Kit Shipping Weight: 103 lbs (46.7 kgs)

Rope: Wire rope, Ø 3/8" x 80' (Ø 9.5mm x 24.4m)

Fairlead: Roller

Recommended Battery: 650CCA Minimum for winching

Duty Cycle: Intermittent

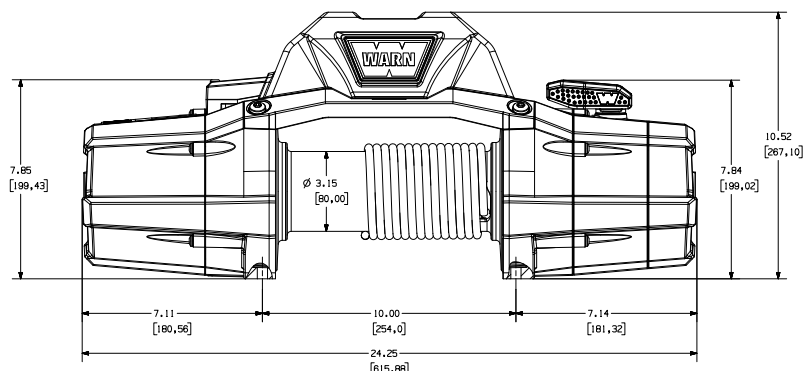
Battery leads: 2 GA, 72" (1.83m)

Finish: Black Powder Coat

Warranty: Limited Lifetime

Mounting Bolt Pattern: 10.0" x 4.5" (254mm x 114.3mm)

Winch Dimensions: 24.25 L x 7.14" D x 10.52" H (615.9mm L x 181.6mm D x 267.1mmH)



SERVICE INSTRUCTIONS

Should you encounter a problem during installation or operation of your winch, please follow these steps toward resolving the problem:

1. Refer to your operator's guide and installation instructions. It has illustrations and detailed information on the installation and safe and proper operation of your winch. It also includes a replacement parts list and assembly diagrams. If you are unable to resolve the problem, then go to step 2.
2. Contact your dealer where you purchased your winch. If, after discussing the problem with their parts and service staff, you are still unable to resolve the problem then go to step 3.
3. Call an Authorized WARN Service center from the list provided on the back of the warranty sheet included with the product. When calling, please have the following information available: winch model number and purchase date, make, model and year of vehicle.
4. If you are unable to resolve the problem to your satisfaction, please call Warn Industries Customer Service at: 1-800-543-9276. When calling, please have the following information available: winch model number and purchase date, make, model and year of vehicle. You may also contact Warn Industries by visiting our website: www.warn.com

SERVICE/UPGRADE KITS

	PN#	ITEM	QTY	DESCRIPTION
KIT 1	89304			S/P, TRANSMISSION 216, ASSY
		8	1	ROTATING RING GEAR
		9	1	RETAINING RING
		(2)	1	S/P, END HOUSING, ASSEMBLY
		(3)	1	S/P, END CAP
		(4)	1	S/P, DRUM SUPPORT, GEARTRAIN
		10	1	SUN GEAR, 12T
		11	1	CARRIER ASSY, STAGE 1
		21	1	DRIVE SHAFT
		12	1	CARRIER ASSY, STAGE 2
		13	1	WASHER, THRUST
		14	1	CARRIER ASSY, STAGE 3
		15	1	RING GEAR, 75T
		20	1	DRIVE SPLINE
		42	1	DRUM DRIVER
KIT 2	89237			S/P, END HOUSING, ASSEMBLY
		6	1	CLUTCH LEVER
		5	1	SEAL, O-RING
		7	1	DETENT, M5 SCREW
		8	1	ROTATING RING GEAR
		9	1	RETAINING RING
		2	1	GASKET, END CAP
		6	1	GEARTRAIN GASKET
		3	10	TORX, PAN HEAD, M5-0.8 x 25

KIT 3	89238			S/P, END CAP
		1	1	END CAP
		2	1	GASKET, END CAP
		3	5	TORX, PAN HEAD, M5-0.8 x 25
KIT 4	89239		1	S/P, DRUM SUPPORT, GEARTRAIN
		17	1	DRUM SUPPORT, GEARTRAIN
		18	1	DRUM BUSHING
		19	1	DRUM SEAL
		16	1	GEARTRAIN GASKET
		3	5	TORX, PAN HEAD, M5-0.8 x 25
KIT 5	89240			S/P, BRAKE ASSY
		22	1	BRAKE ASSY
		21	1	DRIVE SHAFT
		23	1	CASTING,MOTOR COUPLER
		24	1	DRUM
KIT 6	89301			S/P, MOTOR 5 TURN
		27	1	MOTOR 5 TURN
		25	1	DRUM BUSHING, MOTOR
		19	1	DRUM SEAL
KIT 7	89211			S/P, CONTROL PACK
		30	1	S/P 12VDC CONTACTOR PLATE ASSEMBLY
		28	1	S/P CONTROL PACK COVER ASSEMBLY
		26	1	GROUND CABLE 2GA
		37	1	POWER CABLE 2GA
KIT 8	89627			S/P BUS BARS
		33	1	BUS BARS
		35	1	TOP, BUSS BAR COVER
		34	1	BASE, BUSS BAR COVER
		36	1	TORX, PAN HEAD, M6-1.0 x 25
INDIVIDUAL ITEMS				
	13874	10	1	SUN GEAR, 12T
	88636	11	1	CARRIER ASSY, STAGE 1
	88251	21	1	DRIVE SHAFT
	88606	12	1	CARRIER ASSY, STAGE 2
	88543	13	1	WASHER, THRUST
	88521	14	1	CARRIER ASSY, STAGE 3
	88252	15	1	RING GEAR, 75T
	90281	20	1	DRIVE SPLINE
	13824	42	1	DRUM DRIVER
	90053	41	1	ANCHOR PUCK
	89242	32	1	S/P, TIE PLATE
	89213	38	1	S/P, WIRE ROPE, 3/8x80'
	89214	39	1	S/P, FAIRLEAD, ROLLER
	81400	29	1	S/P 12VDC CONTACTOR
	89626	30	1	S/P 12VDC CONTACTOR PLATE ASSEMBLY
	89244	28	1	S/P CONTROL PACK COVER ASSEMBLY
	83665	40	1	S/P REMOTE CONTROL
	15901	26	1	GROUND CABLE 2GA
	83350	37	1	POWER CABLE 2GA
	88371	3	10	TORX, PAN HEAD, M5-0.8 x 25
	88682	26	1	TORX, PAN HEAD, M6-1.0 x 25
	83475	31	4	TORX, PAN HEAD, M8-1.25 x 25



TREUIL ZEON-12

Référence : 89120

Effort en 1ère couche : 5440 kg (12 000 livres)

Moteur : 12 V CC, à enroulements série

Commandes : Interrupteur à distance, fil de 3,7 m (12')

Train d'engrenages : Planétaire à 3 étages

Rapport de démultiplication : 216:1

Embrayage (déroulement en roue libre) : Couronne dentée rotative

Frein : Automatique, à came excentrée

Longueur/Diamètre du tambour : 8,0 cm/23,6 cm (3,15 po/9,3 po)

Poids d'expédition du kit : 46,7 kg (103 livres)

Câble : Câble d'acier, Ø 9,5 mm x 24,4 m (3/8 po x 80 pieds)

Guide-câble : Rouleau

Batterie conseillée : 650 A (démarrage à froid) minimum pour le halage

Cycle d'utilisation : Intermittent

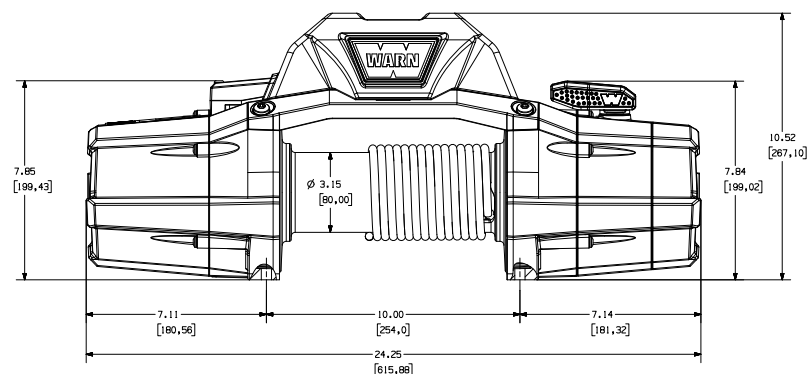
Fils de batterie : 2 GA, 1,83 m (72 po)

Finition : Revêtement époxy noir

Garantie : À vie limitée

Entraxe de fixation : 254 mm x 114,3 mm (10,0 po x 4,5 po)

Dimensions du treuil : L x P x H 615,9 mm x 181,6 mm x 267,1 mm (24,25 po x 7,14 po x 10,52 po)



KIT 4	89239	1	S/P KELANTUKI, VAIHDE
		17	KELANTUKI, VAIHDE
		18	KELAN HOLKI
		19	KELAN TIVISTE
		16	VAHTEENTIVISTE
		3	TORX, KUPUKANTA, M5-0,8 x 25
KIT 5	89240	5	
		22	S/P JARRUKOK.PANO
		21	JARRUKOK.PANO
		23	VEIOAKSELI
		24	KOTELO, MOOTTORIN KYTKIN
		1	KELAKOONPANO
KIT 6	89301	1	S/P MOOTTORI 5 KÄÄNTÖ
		27	MOOTTORI 5 KÄÄNTÖ
		25	KELAN HOLKI, MOOTTORI
		19	KELAN TIVISTE
KIT 7	89211	1	S/P OHJAUSSARJIA
		30	S/P PLAAT, 12 VDC KONTAKTORI
		28	S/P OHJAUSSARJIAN SUOJUS
		26	KAPELI 2GA MAAD.
		37	KAPELI 2GA VIRTA
KIT 8	89627	1	S/P JOHDEKSKON SUOJUKSET
		33	JOHDEKSKON SUOJUKSET
		35	YLÄOSA, JOHDEKSKON SUOJUS
		34	POHJA, JOHDEKSKON SUOJUS
		36	TORX, JOHDEKSKON SUOJUS
		1	TORX, KUPUKANTA, M6-1.0 x 25
INDIVIDUAL ITEMS			
	13874	1	AURINKOPYÖRÄ, 12T
	88636	1	KANNATINKOK.PANO, VAHJE 1
	88251	1	VEDOAKSELI
	88606	1	KANNATINKOK.PANO, VAHJE 2
	88543	1	PAINELEVY
	88521	1	KANNATINKOK.PANO, VAHJE 3
	88252	1	HAMMASKEHÄ, 75T
	90281	1	VEIOURITUS
	13824	1	RUMPU KULETTAJA
	90053	1	ANKKURIN KIEKKO
	89242	1	S/P SIDELAATTA
	89213	1	S/P VALJERI, 5/16x100'
	89214	1	S/P OHJAINRULLA
	81400	1	12VDC KONTAKTORI
	89626	1	S/P PLAAT, 12 VDC KONTAKTORI
	89244	1	S/P OHJAUSSARJIAN SUOJUS
	83665	1	S/P KAUKO-OHJAIN
	15901	1	KAPELI 2GA MAAD.
	83350	1	KAPELI 2GA VIRTA
	88371	10	TORX, KUPUKANTA, M5-0,8 x 25
	88682	3	TORX, KUPUKANTA, M6-1.0 x 25
	83475	1	TORX, KUPUKANTA, M8-1,25 x 25
		26	
		31	
		4	

