



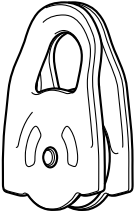
3 year guarantee - Made in France

Specific information


MINDER TWIN

(EN) Pulley
(FR) Poulie
(DE) Seilrolle
(IT) Carrucola
(ES) Polea

MINDER




295 g

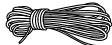


7 ≤ Ø ≤ 13 mm

TWIN



450 g



7 ≤ Ø ≤ 13 mm

CE 0082 EN12278

individually tested



P605010B (080410) recto

NFPA CERTIFICATION FOR MINDER P60A and TWIN P65A

THIS MINDER / TWIN MEETS THE AUXILIARY EQUIPMENT REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2006 EDITION.

MBS 36 kN
G (GENERAL USE)
MEETS NFPA
1983 (2006 ED.)



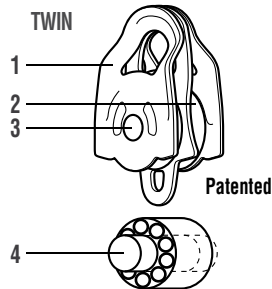
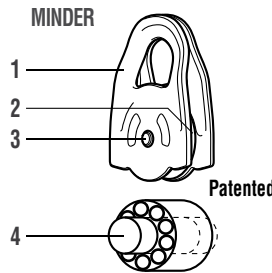
After removing the notice from the equipment, make a copy of it and keep the original as part of a permanent record that includes the usage and inspection history for the equipment. Keep the copy of the notice with the equipment and refer to it before and after each use. Additional information regarding auxiliary equipment can be found in NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, and NFPA 1983, Standard on Fire Service Life Safety Rope and System Components.

Tracability and Markings

MINDER	TWIN
CE 0082	
a. Body controlling the manufacture of this PPE	b. Notified body that carried out the CE type inspection
APAVE SUD Europe BP 193, 13322 Marseille Cedex 16 N°0082	
c. Traceability: datamatrix = product reference + individual number	
e. Individual number	
00 000 A 0000	
f. Year of manufacture	g. Day of manufacture
h. Control or name of inspector	i. Incrementation
d. Rope diameter	

1. Field of application

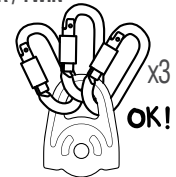
2. Nomenclature of parts



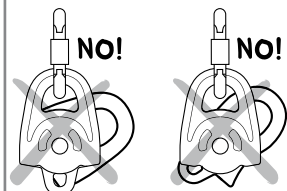
3. Inspection, points to verify

4. Compatibility

MINDER / TWIN

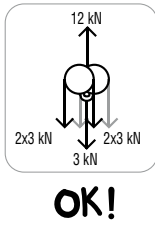
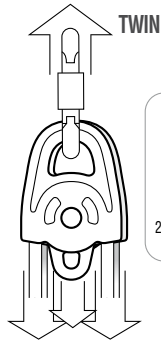
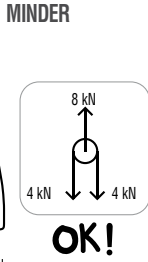
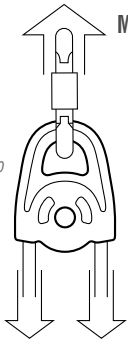


TWIN

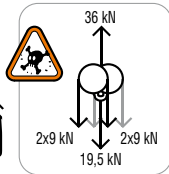
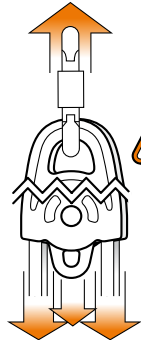
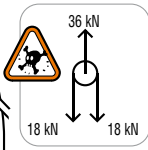
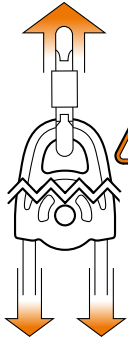


5. Values

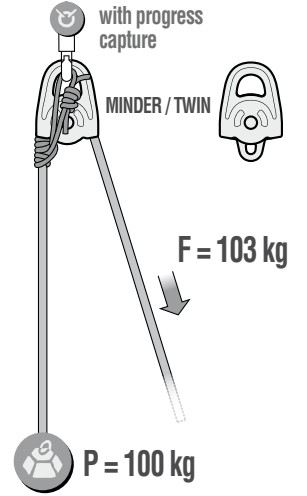
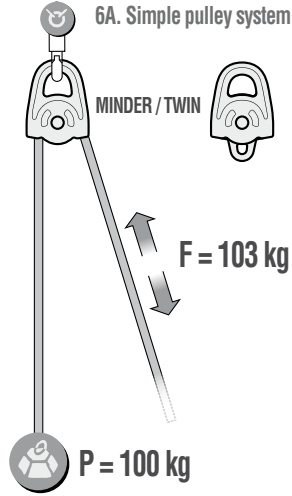
5A. Working load limit
Valeur d'utilisation maxi
Maximale Gebrauchslast
Valore d'utilizzo massimo
Valor de utilización máximo



5B. Breaking load
Charge de rupture
Bruchlast
Carico di rottura
Carga de rotura



6. Pulley system efficiency



Theoretical force



$$F = P$$

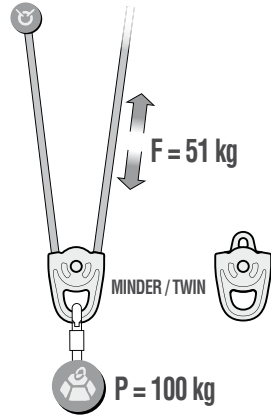


$$F = 1,03 P$$



$$F = 2 P$$

6B. 2:1 hauling system



Theoretical force



$$F = 0,5 P$$

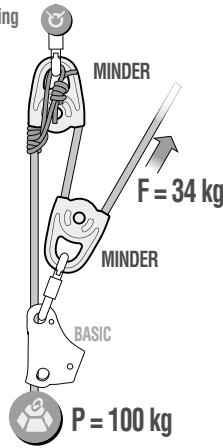


$$F = 0,51 P$$



$$F = 0,66 P$$

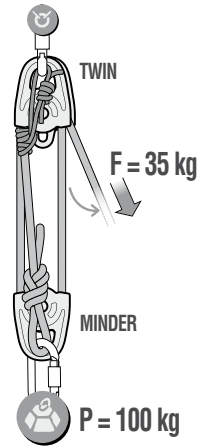
6C. 3:1 hauling system



$$F = 0,33 P$$

$$F = 0,34 P$$

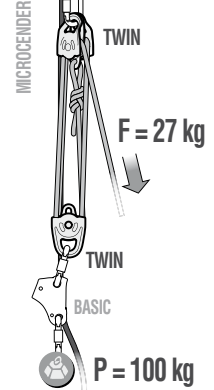
$$F = 0,57 P$$



$$F = 0,35 P$$

$$F = 0,875 P$$

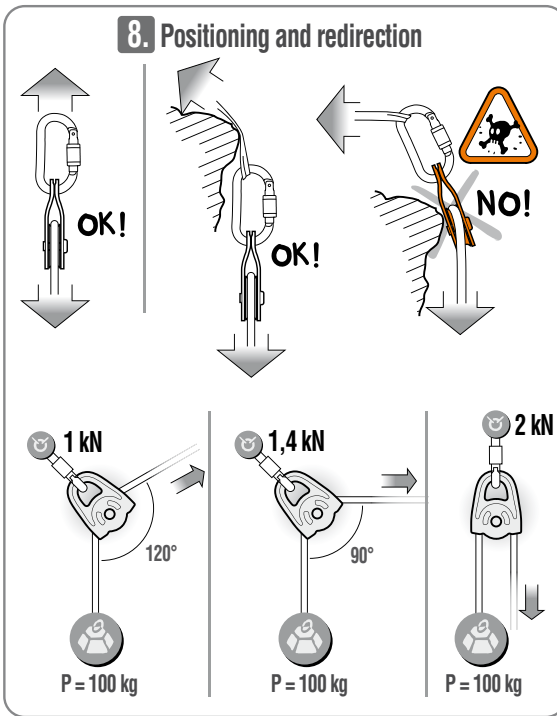
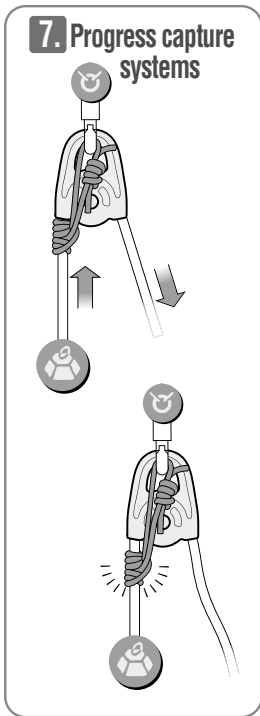
6D. 4:1 hauling system with progress capture for double pulleys



$$F = 0,25 P$$

$$F = 0,27 P$$

$$F = 0,937 P$$



<p> + 80°C + 176°F - 40°C - 40°F </p> <p> (EN) Temperature (FR) Température (DE) Temperatur (IT) Temperatura (ES) Temperatura (PT) Temperatura (NL) Temperatuur (SE) Temperatur (FI) Lämpötila (NO) Temperatur </p> <p> (RU) Температура (CZ) Teplota (PL) Temperatura (SI) Temperatura (HU) Hőmérséklet (BG) Температура (JP) 気温 (CN) 温度 (TH) อุณหภูมิ </p> <p> </p> <p> (EN) Storage and transport (FR) Rangement et transport (DE) Lagerung und Transport (IT) Sistemazione e trasporto (ES) Almacenamiento y transporte (PT) Armazenamento e transporte (NL) Opbergen en vervoeren (FI) Säilytys ja kuljetus (NO) Lagring og transport (RU) Хранение и транспортировка (CZ) Skladování a doprava </p> <p> (PL) Pakowanie i transport (SI) Shranjevanje in transport (HU) Tárolás, szállítás (BG) Транспорти и съхранение (JP) 持ち運びと保管方法 (KR) 보관과 운송 (CN) 运输及储存 (TH) การขนส่งและกการเก็บรักษา </p>	<p> </p> <p> (EN) Cleaning/Disinfection (FR) Nettoyage/Désinfection (DE) Reinigung/Desinfektion (IT) Pulizia/Disinfezione (ES) Limpieza/Desinfección (PT) Limpeza/Desinfeção (NL) Reiniging/Ontsmetting (SE) Rengöring/Desinficering (FI) Puhdistus/Desinfiointi (NO) Rengjøring/Desinfisering (RU) Чистка/Дезинфекция </p> <p> (CZ) Čištění/Desinfekce (PL) Czyszczenie/Dezynfekcja (SI) Čiščenje/razkuževanje (HU) Tisztítás (BG) Почистване/Дезинфекция (JP) 手入れ方法/消毒 (KR) 손질 (CN) 清洗/消毒 (TH) ทำความสะอาดโดยวิธีสารฆ่าเชื้อ </p> <p> </p> <p> (EN) Drying (FR) Séchage (DE) Trocknen (IT) Asciugamento (ES) Secado (PT) Secagem (NL) Het drogen </p> <p> (SE) Torkning (FI) Kuivaus (NO) Torking (RU) Сушка (CZ) Sušení (PL) Suszenie (SI) Sušenje </p> <p> (HU) Szárítás (BG) Сушене (JP) 乾燥 (CN) 使干燥 (TH) ทำให้งแห้ง </p>	<p> </p> <p> (EN) Maintenance (FR) Entretien (DE) Wartung (IT) Manutenzione (ES) Mantenimiento (PT) Manutenção (NL) Onderhoud (SE) Underhåll (FI) Huolehtiminen (NO) Vedlikehold </p> <p> (RU) Техническое обслуживание (CZ) Údržba (PL) Konserwacja (SI) Vzdrževanje (HU) Karbantartás (BG) Поддръжане (JP) メンテナンス (KR) 유지 (CN) 保养 (TH) การซ่อมแซม </p> <p> </p> <p> (EN) Dangerous products (FR) Produits dangereux (DE) Gefährliche Produkte (IT) Prodotti pericolosi (ES) Productos peligrosos (PT) produtos perigosos (NL) Gevaarlijke producten (SE) Farliga produkter (FI) Vaaralliset tuotteet (NO) Farlige produkter (RU) Опасная продукция </p> <p> (CZ) Nebezpečné výrobky (PL) Produkty niebezpieczne (SI) Nevarne kemikalije (HU) Veszélyes termékek (BG) Опасни продукти (JP) 有害物質 (KR) 위험물 (CN) 危险品 (TH) วัตถุอันตราย </p> <p> </p> <p> ? → PETZL </p>
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Legends

	<p> (EN) Anchor (FR) Amarrage (DE) Anschlagpunkt (IT) Ancoraggio (ES) Anclaje (PT) Amarração (NL) Verankering </p>	<p> (SE) Förankring (FI) Ankkuri (NO) Forankring (RU) Точка страховки (CZ) Ukotvení (PL) Punkt stanowiskowy </p>	<p> (SI) Sidrišče (HU) Fix pont (BG) Закрепване (JP) 支点 (KR) 확보점 (CN) 确定点 (TH) สัม </p>
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PETZL
 ZI Cidex 105A
 38920 Crolles
 France
www.petzl.com/contact

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