



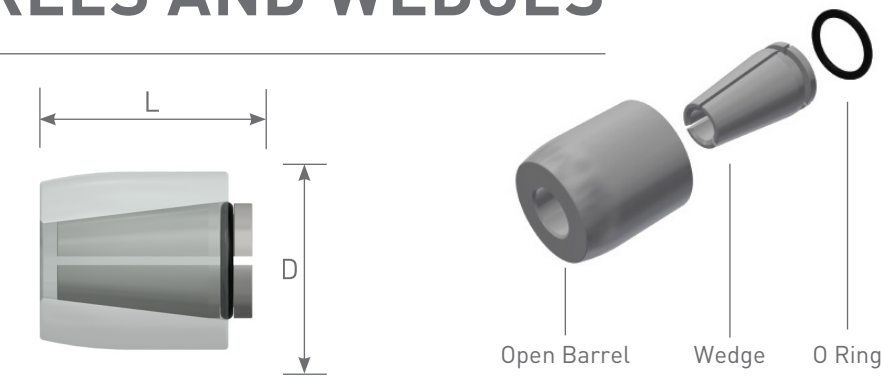
PRE-STRESSING ANCHOR GRIPS

PRODUCT DATA SHEET

CCL PRE-STRESSING ANCHOR GRIPS

OPEN GRIPS BARRELS AND WEDGES

Open grips should only be used at the stressing end (live end) of the bed with a hydraulic jack incorporating power lock-off. If power lock-off is not available then spring-loaded grips should be used. The wedges are made up of two segments for use with wire and three for use with strand.

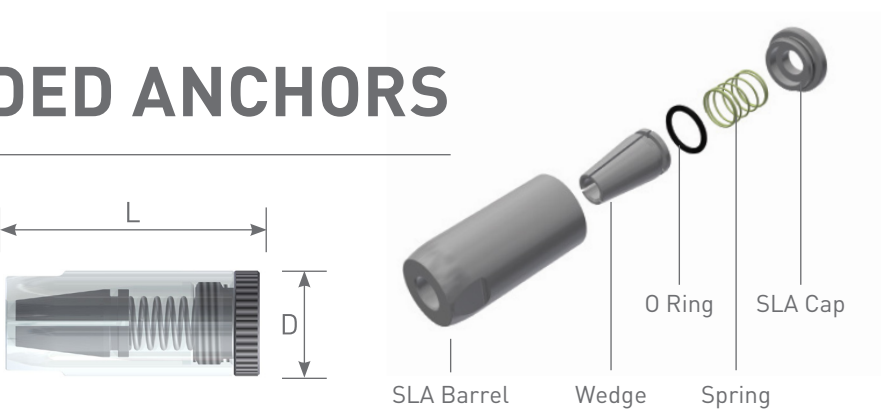


Dia. Wire/Strand	3	4	5	6	7	7s	8	8s	9.6	9.6s	11	13	15
O/DIA (D) mm	24	24	24	24	24	30	35	30	35	30	41	44	50
LENGTH (L) mm	26	26	26	26	26	33	40	33	40	33	43	51	54
MAX LOAD kN	55	55	55	55	55	80	80	80	80	80	124	167	246
WEIGHT kg	0.11	0.11	0.10	0.10	0.10	0.23	0.27	0.23	0.26	0.23	0.41	0.54	0.81
BARREL CODE	605510	605510	605510	605510	605510	605108	604101	605108	604101	605108	604103	604104	604145
WEDGE CODE	605700	605701	605703	605704	605705	109157	604201	605227	604202	605228	604203	604204	604225
O RING	605715	605715	605715	605715	605715	604265	604248	604265	604248	604265	604248	604249	604261

The maximum barrel loads referenced are based on 80% of the strand/wire characteristic breaking load.

SLA SPRING-LOADED ANCHORS

Spring-loaded anchors or grips should always be used at the non-stressing end of the bed. They should also be used at the stressing end where multi stressing systems or jacks without power lock-off are being used.

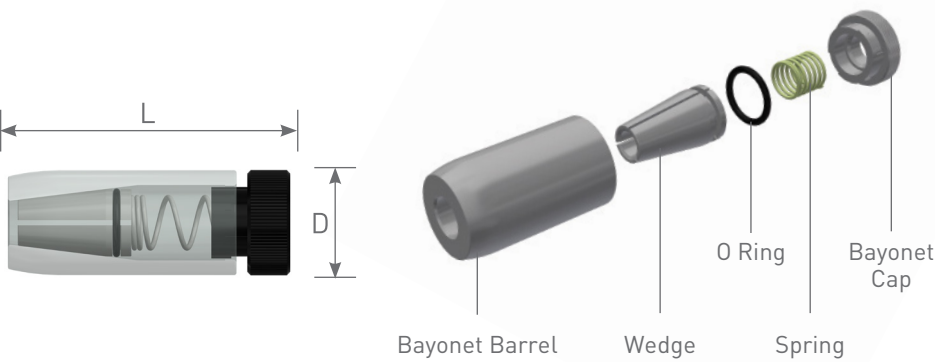


Dia. Wire/Strand	3	4	5	6	7	7s	8	8s	9.6	9.6s	13	15
O/DIA (D) mm	24	24	24	24	24	30	35	30	35	30	44	50
LENGTH (L) mm	59	59	59	59	59	67	78	67	78	67	97	103
MAX LOAD kN	55	55	55	55	55	80	80	80	80	80	167	246
WEIGHT kg	0.16	0.16	0.16	0.16	0.16	0.26	0.37	0.26	0.37	0.26	0.69	0.99
SPRING CODE	603421	603421	603421	603421	603421	605404	604416	605404	604416	605404	604419	604435
CAP CODE	605320	605320	605320	605320	605320	605315	604316	605315	604316	605315	604317	604320
BARREL CODE	605520	605520	605520	605520	605520	605146	604143	605146	604143	605146	604141	604140
WEDGE CODE	605700	605701	605703	605704	605705	109157	604201	605227	604202	605228	604204	604225
O RING	605715	605715	605715	605715	605715	604265	604248	604265	604248	604265	604249	604261
COMPLETE GRIP	605600	605601	605603	605604	605605	605170	604041	605150	604017	605160	604044	604073

The maximum barrel loads referenced are based on 80% of the strand/wire characteristic breaking load.

BAYONET GRIP

Bayonet grips are similar to SLA grips but have a quick release twist cap. They should always be used at the non-stressing end of the bed and should also be used at the stressing end where multi stressing systems or jacks without power lock-off are being used.

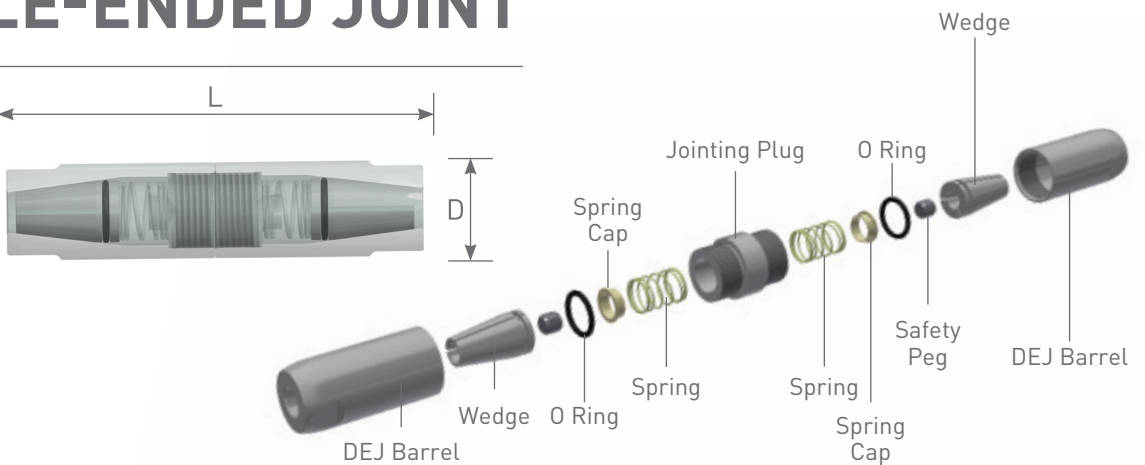


Dia. Wire/Strand	3	4	5	6	7	8	9.6	13	15
O/DIA (D) mm	24	24	24	24	24	35	35	44	50
LENGTH (L) mm	66	66	66	66	66	84	84	88	109
MAX LOAD kN	55	55	55	55	55	80	80	167	246
WEIGHT kg	0.17	0.17	0.17	0.17	0.17	0.45	0.45	0.79	1.15
SPRING CODE	603421	603421	603421	603421	603421	604415	604415	604424	604438
CAP CODE	605325	605325	605325	605325	605325	604325	604325	604328	604322
BARREL CODE	605515	605515	605515	605515	605515	604132	604132	604124	604129
WEDGE CODE	605700	605701	605703	605704	605705	604201	604202	604204	604225
O RING	603245	603245	603245	603245	603245	604248	604248	604249	604261
COMPLETE GRIP	605610	605611	605613	605614	605615	604081	604068	604024	604049

The maximum barrel loads referenced are based on 80% of the strand/wire characteristic breaking load.

DEJ DOUBLE-ENDED JOINT

DEJ can be used to connect wire/strand together mid-span. Where a reducing joint is used, the prestressing force should never exceed 80% of the manufacturer's specified minimum breaking load for the smallest wire or strand being used.



Dia. Wire/Strand	3	4	5	6	7	7s	8	8s	9.6	9.6s	13	15
O/DIA (D) mm	24	24	24	24	24	30	35	30	35	30	44	50
LENGTH (L) mm	106	106	106	106	106	140	157	140	157	140	198	210
MAX LOAD kN	55	55	55	55	55	80	80	80	80	80	167	246
WEIGHT kg	0.33	0.33	0.33	0.32	0.32	0.62	0.94	0.62	0.94	0.62	1.76	2.46
SPRING CODE	603422	603422	603422	603422	603422	605404	604401	605404	604401	605404	604424	604424
SPRING CAP CODE	-	-	-	-	-	605539	604539	605539	604539	605539	604537	604537
BARREL CODE	605520	605520	605520	605520	605520	605146	604143	605146	604143	605146	604141	604140
WEDGE CODE	605700	605701	605703	605704	605705	109157	604201	605227	604202	605228	604204	604225
PLUG CODE	605340	605340	605340	605340	605340	605370	604353	605370	604353	605370	604339	604338
O RING	603245	603245	603245	603245	603245	604265	604248	604265	604248	604265	604249	604261
SAFETY PLUG CODE	-	-	-	-	-	-	604364	604364	604363	604363	604361	604360
COMPLETE GRIP	605650	605651	605653	605654	605655	605171	604067	605151	604066	605161	604064	604062

The maximum barrel loads referenced are based on 80% of the strand/wire characteristic breaking load.

TOOLS & ACCESSORIES

BARREL INSPECTION GAUGES

Barrel inspection gauges are of a robust design safe to use in all environments. It ensures that all quality control and safety requirements are met, facilitates a fast and reliable inspection and optimises the lifespan of your stressing grip barrels and reduces maintenance requirements.



Description	Part Number	Compatible Part Numbers		
3-7mm Inspection Gauge	690050	605510	605520	605515
7s, 8s, 9.6s Inspection Gauge	680058	605108	605146	-
8/9.6mm Inspection Gauge	680051	604101	604143	604415
11mm Inspection Gauge	680059	604103	-	-
13mm Inspection Gauge	680052	604104	604124	604424
15mm XL Inspection Gauge	680053	604145	-	-
15mm SLA/DEJ Inspection Gauge	680063	604140	604129	-
18mm Inspection Gauge	680062	604106	-	-



STRAND/BARREL CLEANING

BRUSHES

High-quality brushes designed to remove debris without damaging the critical faces are a cost-effective maintenance solution which helps to maximise the life of your stressing grips and barrels.

Description	Part Number
Wedge Cleaning Brush Set (8-18mm)	680001
Wedge Cleaning Brush (3-7mm)	680002
Barrel Cleaning Brush (all sizes)	680003



ULTRASONIC CLEANER

A none-contact method of cleaning ideal for a quick cleaning process of large batches delivering consistent and repeatable cleaning results. We have a wide-range of cleaning tanks on offer, get in touch with our team who can help you choose the best system for you.

Description	Part Number
Ultrasonic Cleaning	ENQUIRE
Ultrasonic Cleaning Fluid	561503

BARREL & WEDGE PRESERVATION

The correct lubrication of wedges is essential to prolong life and ease dismantling of the grip after stressing. Two lubrication products are available. A molybdenum-based release agent comes in aerosol form and dries to form a hard coating on the wedge around ten minutes after application. Also available is Super Dippy lubricant which remains in a fluid state after being liberally applied to the wedge components of the grip.

Description	Part Number
Release Agent Aerosol*	102071
SuperDippy (5L)*	680013

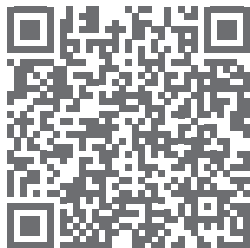
Please note any items marked * will require dangerous goods packing for National and International customers.



SAFE WORKING PRACTICES

- The wire/strand must be cut square and ragged edges removed.
- Kinked or deformed strand must never be used for stressing.
- In the general interests of safety, grips holding wire/strand under load should be sheltered with material of adequate strength to prevent injury or damage in the event of a wire/strand failure.
- Before stressing, the dead end should be sheltered.
- The live end should be sheltered immediately after stressing.
- Double ended joints (DEJs) should be sheltered before stressing and whilst under load.
- During the tensioning process all non-essential personnel should leave the stressing area.
- Stressing should be carried out in a sequence to ensure that the jack operator never stands behind a stressed or unsheltered wire or strand during stressing.
- Operators should not stand in line with any stressed wire/strand or stand directly behind the jack during tensioning.
- Never walk on stressed strands.
- Protect open stressing beds with chains or other substantial and suitably constructed guards to protect persons from injury due to sudden wire/strand release.
- Signs warning of the potential danger should be placed around stressed beds.
- Any load/elongation remaining in the wire/strand must be removed in a controlled manner prior to cutting or burning the wire/strand to remove the grips.
- Consult CCL before attempting any prestressing or load/elongation removal procedure that may affect the performance of the grips.

Scan the QR code to download the MPA "Codes of Practice" safety documents.



Regional Headquarters

Unit 8, Millennium Drive,
Leeds, LS11 5BP,
United Kingdom

T: +44 (0) 113 270 1221

W: www.cclprecast.com



The specifications, information and performance of the products manufactured by CCL and featured in this publication are presented in good faith and believed to be correct. Details may be changed without notice. CCL makes no representations or warranties as to the completeness or accuracy of the information. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will CCL be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon, information contained in this document. CCL accepts no liability for any errors or omissions therein.

CCL.07/2025