



PRODUCT DATASHEET



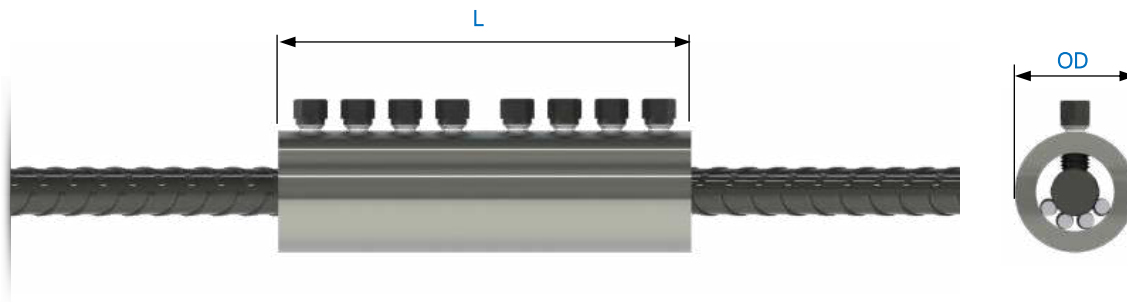
Dextra

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Coupler Dimensions

Unitec is a shear-bolt coupling system for the connection of concrete reinforcement bars from Ø12 to 50 mm.



Model	Rebar Size				Product Code	Approximate dimension (mm)		Screw size	Total number of screws	Packing Qty.
	Metric	UK	USA	Canada		OD	L			
US#4-12	12,12.5	12	#4		FPUS0400002	48	140	M12	6	200
US#5-14-16	14,16	16	#5	15M	FPUS0500002	48	140	M12	6	
US#6-20	18,20		#6	20M	FPUS0600002	52	200	M12	8	100
US20UK		20			FPUS0700002	59	180	M16	6	
US#7-22	22		#7		FPUS0700003	59	240	M16	8	50
US#8-25	24,25,26	25	#8	25M	FPUS0800002	62	240	M16	8	
US#9-28	28		#9		FPUS0900002	76	220	M20	6	
US#10-32	30,32	32	#10	30M	FPUS1000002	83	280	M20	8	20
US#11-36	34,36		#11	35M	FPUS1100002	89	360	M20	10	
US#12-40	38,40	40	#12		FPUS1200002	95	425	M20	12	10
US#14-43	43		#14	45M	FPUS1400002	95	555	M20	16	
US50	50				FPUS5000002	107	620	M24	14	

Table 1: Dimensions of Unitec standard splices

Transition splices

Transition splicing between two different rebar diameters is also possible using the following models:

Model	Large bar size				Small bar size				Product code	Packing Qty.
	Metric	UK	USA	Canada	Metric	UK	USA	Canada		
US#8-25	24,25,26	25	#8	25M	22	-	#6, #7	20M	FPUS0800002	50
US#10-32	30,32	32	#10	30M	24,25,26	25	#8	25M	FPUS1000002	50
					28	-	#9			

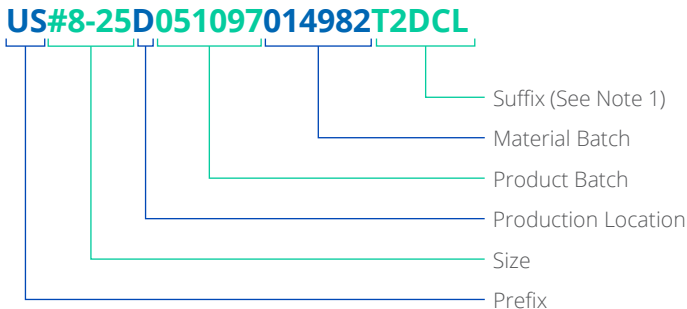
Table 2: Unitec transition splice options

Identification & Traceability

Coupler Identification

All sleeves are marked with the following symbols that guarantee to fully trace back each of the production batches and raw material lots. Sleeve studs are marked on their face, either outside or inside the sleeve.

Marking on coupler circumference:



Note 1: Suffix availability can vary depending on the sleeve model and size.

Full traceability of the production batches and raw materials is guaranteed for all load bearing components. The retention period of our quality records is 12 years.

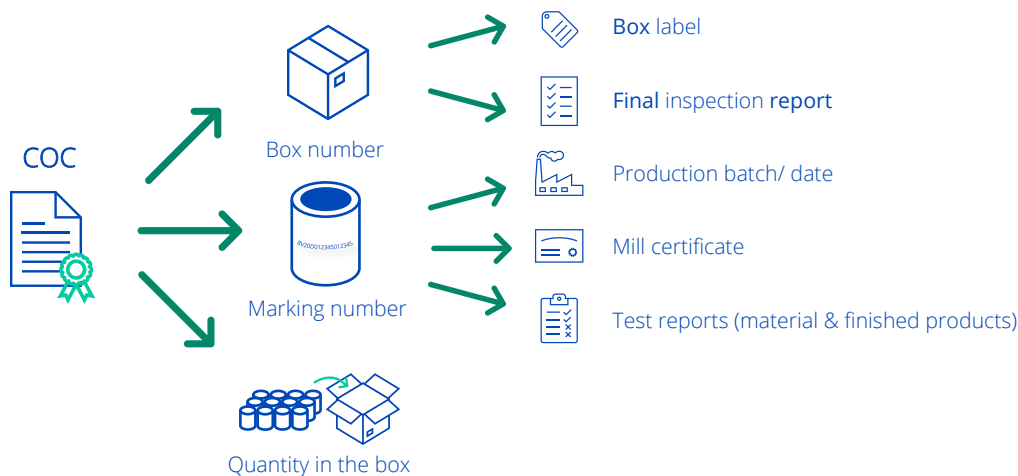


Certificate of Compliance

Each box of Unitec couplers delivered to our customers comes with a type 3.1 certificate of compliance (COC) as per EN 10204 allowing full traceability of the product.

Each COC indicates the following information:

- **Product Identification** → Product code and product description
- **Box number** → Traceability of the COC to the corresponding box label and the final inspection report of the coupler
- **Marking number** → Identifying the coupler model, production batch and material batch for traceability of the production date, material test reports and mill certificates.
- **Quantity per box** → Showing the quantity per coupler marking inside the box.



How to order

For assistance in ordering the appropriate Dextra sleeve for your construction needs, please reach out to your local Dextra sales representative or office. You can find the contact details and addresses of our offices on the back cover of this document.

When placing your orders, kindly provide the relevant product code along with the desired quantity. Please note that the minimum order quantities follow the packing quantity indicated in the product data tables and can only be ordered in multiples of the indicated quantity.

Delivery & Storage

Typically, our products are packaged in sturdy wooden crates that can be easily lifted using a forklift. For accessories, they are packed in carton boxes.

The usual international customs code for mechanical couplers and anchor plates is 73.08.90.90.00-7 ("Parts of structures, of iron or steel"). However, national preferences may be followed.

To ensure the safety and integrity of the products, it is important to store them under a roof and protect them from exposure to the elements.

For safety reasons the wooden boxes should not be stacked higher than 2 meters, which is equivalent to 2 to 4 boxes depending on the box type. In case more stringent national regulations apply, they shall be always followed.

Equipment & Assembly

Reinforcing bars are connected through the Unitec sleeve by usage of either pneumatic impact wrench or electric impact wrench in accordance with the technical requirements for the tightening of the shear bolts specified in the Unitec assembly instructions. The impact wrench can be used at installation site.

For further information related to the recommended impact wrench models and technical requirements please contact your local Dextra sales representative or office.

Assembly instructions provided by Dextra must be followed.

Installation

Dextra products shall be install and used only as indicated in Dextra's documentation and training materials. A forementioned documents are available at www.dextragroup.com and from your Dextra customer service representative. Improper installation, misuse, misapplication, or other failure to completely follow Dextra's instructions and warnings may cause product malfunction, property damage, serious bodily injury, and death. Dextra cannot accept any liability in respect thereof.

Product Approvals

Country	Agency	Certificate N°
	 IAPMO UES ER-702	IAPMO UES ER-702
	 UKAS PRODUCT CERTIFICATION 5086	TA1-A&B 5046
	 UKAS PRODUCT CERTIFICATION 5086	TA1-C 5080
	 DISPOSITIFS DE RABOUTAGE OU D'ANCRAGE D'ARMATURES DU BÉTON	N° M10/013
	 DCL PRODUCT CERTIFICATION 5086	CL17020493
		003-01/176-2023
	 Transport Roads & Maritime Services	N° SF2016/201988
	 Deutsches Institut für Bautechnik	N° Z-1.5-288

Table 3: Product approval certificates

Note: Not all coupler types and sizes are applicable to the national approvals shown. For details, please refer to the specific national approval document available on www.dextragroup.com

Quality Assurance

Unitec® couplers are manufactured according to strict technical specifications and under a production process that has been certified in accordance with ISO 9001 quality management system standard and the ASME Boiler and Pressure Vessel Code.

They are warranted to be free from manufacturing defects and to perform in accordance with the manufacturer's specifications providing that they are installed in accordance with the manufacturer's instructions.




Agency	Certificate N°
	The American Society of Mechanical Engineers QSC-706
	Bureau Veritas TH021366 FR093198
	UK CARES 1086 UK CARES 1086

Table 4: Quality Assurance

Sustainability

Dextra acknowledges the significance of offering environmentally sustainable products to the market, our commitment spans from responsibly sourcing of raw materials to the manufacturing process and onward to the delivery to our customers. In alignment with our commitment to sustainability, our environmental management system holds certification in accordance with ISO 14001:2015.


Agency	Certificate N°	Plant (Location)
	Bureau Veritas TH020984	Dextra Manufacturing (Thailand)

Table 5: Environmental certifications

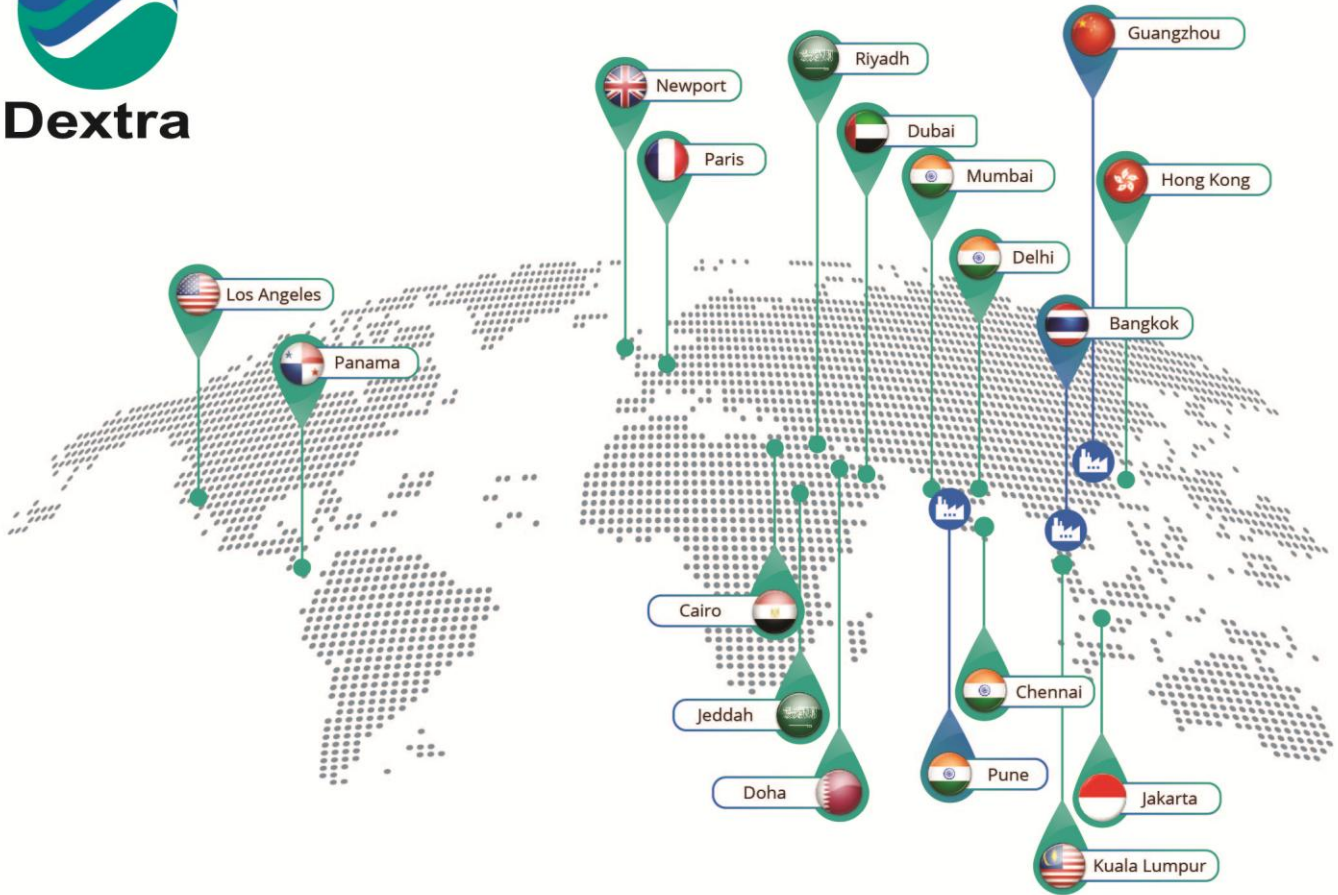
Disclaimer

Products described in this document are warranted to be free from manufacturing defects and to perform in accordance with the manufacturer's specifications providing that they are installed in accordance with our written instructions.

As a result of our continuous thrive for technological improvement, Dextra reserves its right to modify the contents of this specification sheet at any time without prior notice. In particular, various sources of raw materials may lead to variations in outside diameters. The information provided on this document, and any outside information linked to, is for guidance only.



Dextra



Commercial presence in more than **55 countries**



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