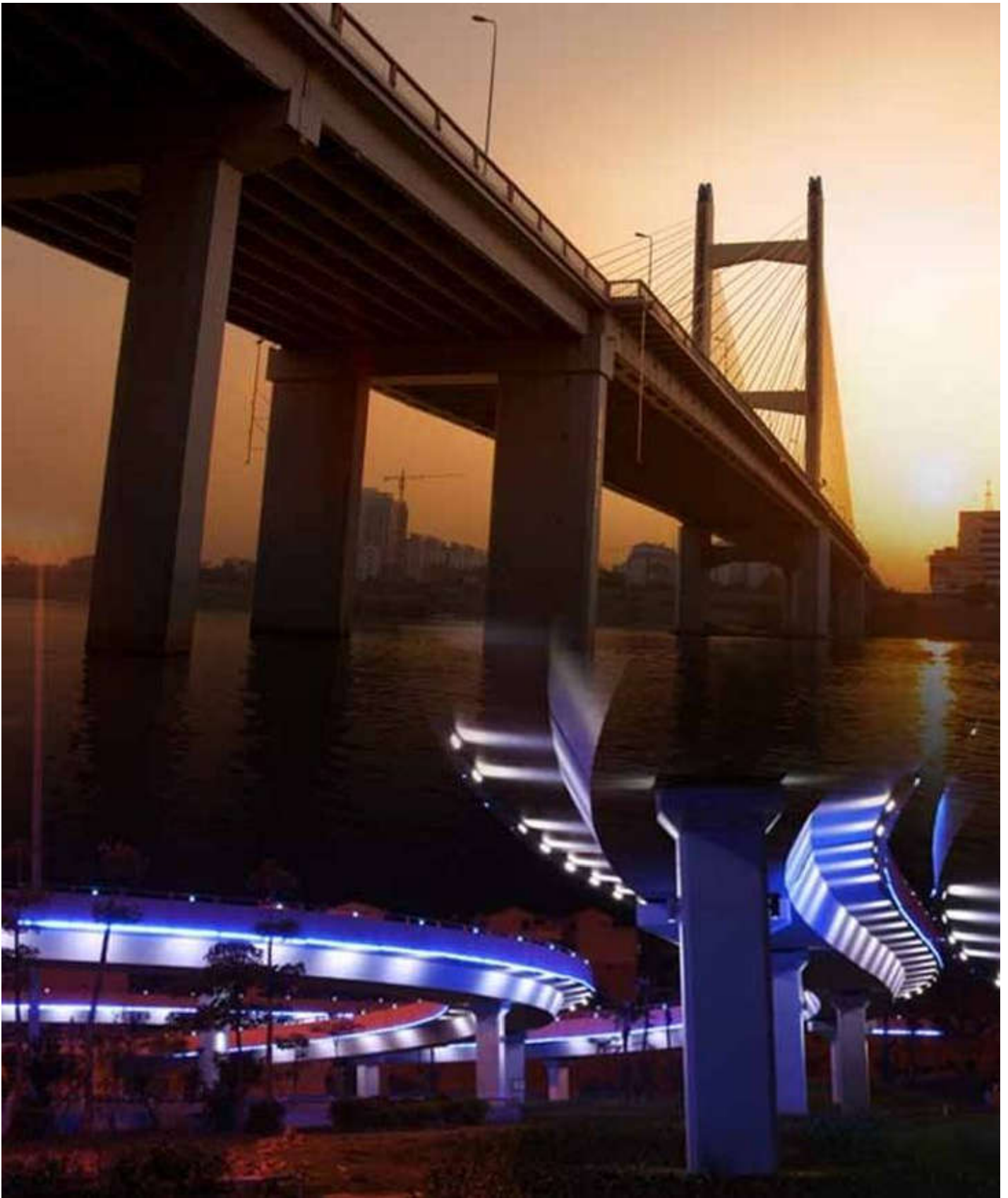


CPS



Pre-Stress & Post-Tensioning System

CPS (CMEC Prestressing System) is a brand controlled by CMEC (China Machinery Engineering Corporation). Over the years, It has developed a wide range of stressing equipments in the brand of CPS, including Hydraulic Pumps, Stressing Jacks, Testing Equipments and accessories, to economically and efficiently stress its tendons. Its emphasis on versatility is also the key to the inter-matching of different pumps and jacks to achieve maximum efficiency. CPS range of equipments is widely known for its durability, high capabilities and efficiency.

CMEC, or China Machinery Engineering Corporation, is a Chinese state-owned enterprise, listed on Hong Kong Stock Exchange (01829.HK). It is a subsidiary of SINOMACH (China National Machinery Industry Corporation). CMEC is a world leading company in the International Engineering Contract fields.



CPS Pre-Stress & Post-Tensioning System

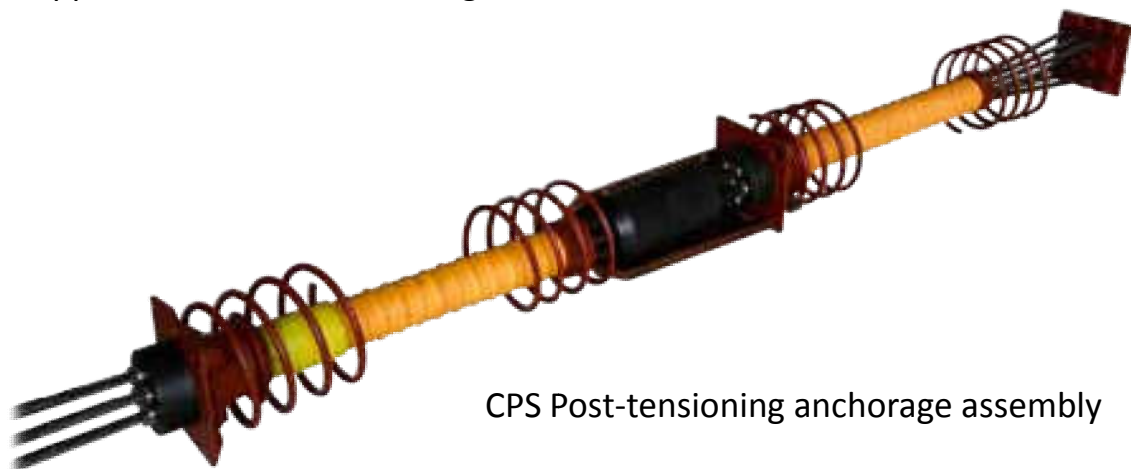
CPS technology is based on post-tensioning principle where prestress is permanently integrated into the concrete structure after the concrete has hardened. By stressing of properly positioned high strength prestressing tendons, CPS Post-Tensioning System introduces constructive stress conditions into the concrete structure and thus increasing overall productivity and also more efficient usage of building materials. CPS Post-Tensioning System covers the whole spectrum of engineering, from bridge construction, buildings, to civil applications, both above & underground.

CPS system complies with international standards and is widely accepted in many countries, and we are best known for our reliability and high performance products.

CPS bonded post-tensioning using strand as tendon consists of Stressing Anchorage, Fix Anchorage (Type P and Type H), Coupler, Corrugated Duct and PC Strand (or PC Wire). CPS13 is the general description of CPS's products designed specifically for $\Phi 12.7 - 12.9\text{mm}$ low relaxation strand, while CPS15 is the description for $\Phi 15.1 - 15.9\text{mm}$ low relaxation strand. CPS post-tensioning solution supports high tensile strength pc wire of $\Phi 5 - 7\text{mm}$ as well.

Low relaxation strand with tensile strength ranges from $1470 - 1960\text{MPa}$ while pc wire tensile strength ranges from $1470 - 1770\text{MPa}$.

CPS bonded & unbounded post-tensioning anchorage system using low relaxation strand provides a complete solution to all our customers. We manufacture anchor head size of 1 – 55 strands and we also able to provide customized parts for special engineering designs. CPS Post-Tensioning Anchorage System is renowned for its wide range of applications and ease of usage.



CPS Post-tensioning anchorage assembly

Reference Photos for Pre-Stress & Post-Tensioning System



Precast yard 01



Precast yard 02



CPS Post-tensioning construction



Suspension bridge



Cable stay bridge



Arch bridge

Reference Photos for Pre-Stress & Post-Tensioning System



High speed railway



Elevated ring roads



Monorail



High rise building



Tunnel

CPS Stressing Anchorage

Stressing Anchorage (also commonly known as live anchor) is the most widely used form of post-tensioning anchorage system. It consists of wedge, anchor head, bearing plate and spiral reinforcement. It is most commonly found in bonded post-tensioning using strand as tendons in concrete structure and rock/soil anchoring structure.

CPS unbounded post-tensioning for slab on grade is also becoming increasingly popular with industrial structures where joints are the major weakness in these concrete structures. Temperature variations, high traffic, heavy loads and vehicle wheels abrasion are major factors contributing to cracks, deformations and curling in concrete structures. These failures increases maintenance cost and also affects productivity.

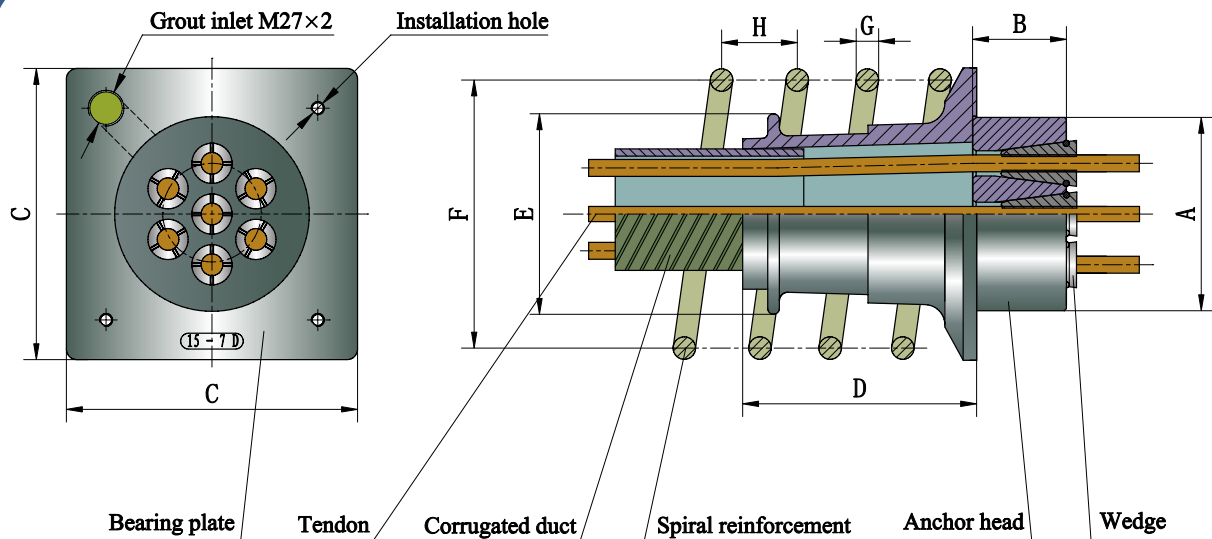
CPS unbounded post-tensioning for slab on grade not only can eliminate these problems, it can also optimizes the overall cost to the client for the entire structure.

It is commonly found in (not limited to) warehouses & goods distribution centers, manufacturing plants, airport / seaport & rail container terminals, floor bases of water / sewage tanks, aircraft hangers, heavy vehicle workshops / parks, skating rings, basketball / tennis courts etc.

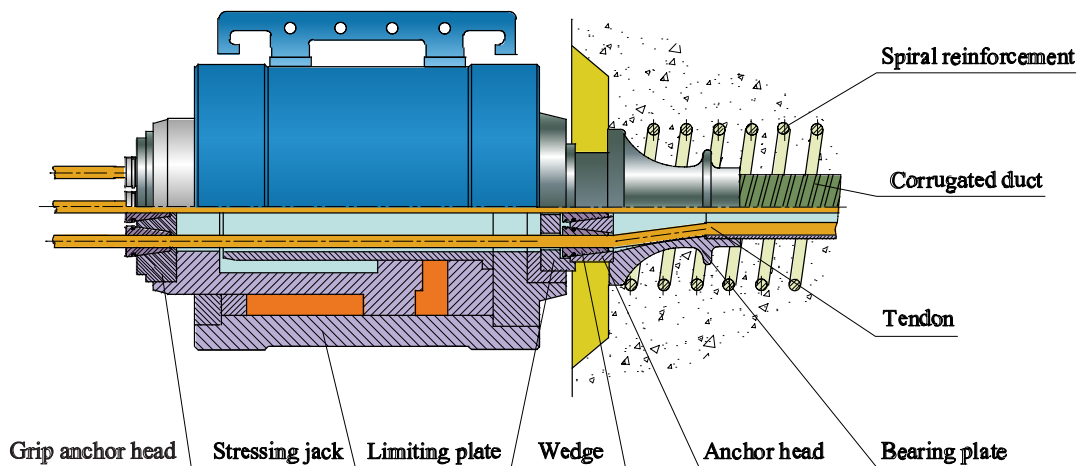
CPS Stressing Anchorage not only provides users with a safe and reliable system, it is also highly efficient, and thus providing users trouble-free stressing.



Technical drawings for CPS Stressing Anchorage



CPS Stressing Anchorage Structural Diagram



CPS Stressing Anchorage & Stressing Jack Structural Diagram

Tecnicial Data for CPS Stressing Anchorage

Technical drawing for CPS Stressing Anchorage with 0.5" strand

Part No.	No. of Strand	Anchor Head		Bearing Plate					Spiral Reinforcement				Corrugated Duct (round)		Matching Stressing Jack
				CPS13-*D					CPS13-*LX				Metal	Plastic	
		A	B	C	D	E	Installation Hole		F	G	H	Number of Laps	Part No.	Part No.	
							Spacing	Diameter							
CPS13-1	1	Φ42	45	70	70	Φ14	-	-	Φ80	Φ6	30	4	-	-	YDQ260B
CPS13-2	2	Φ75	46	115	90	Φ80	85	M10	Φ120	Φ8	40	4	CDM-45	CDP-45	YDC1000B
CPS13-3	3	Φ80	46	130	100	Φ90	90	M10	Φ120	Φ8	40	4	CDM-50	CDP-50	
CPS13-4	4	Φ88	46	130	100	Φ90	90	M10	Φ120	Φ8	40	4	CDM-50	CDP-50	
CPS13-5	5	Φ98	46	140	110	Φ95	100	M10	Φ140	Φ10	50	4	CDM-55	CDP-55	
CPS13-6	6	Φ115	48	150	120	Φ100	110	M10	Φ150	Φ10	50	4	CDM-55	CDP-55	
CPS13-7	7	Φ115	48	150	120	Φ100	110	M10	Φ150	Φ10	50	4	CDM-55	CDP-55	
CPS13-8	8	Φ125	50	165	130	Φ115	120	M10	Φ170	Φ12	50	4	CDM-70	CDP-70	YDC1500B
CPS13-9	9	Φ135	50	185	150	Φ120	135	M10	Φ170	Φ14	50	4	CDM-70	CDP-70	
CPS13-10	10	Φ145	52	200	160	Φ135	150	M10	Φ190	Φ14	50	4	CDM-80	CDP-80	
CPS13-11	11	Φ155	52	210	180	Φ150	160	M10	Φ210	Φ14	50	4	CDM-80	CDP-80	YDC2000B
CPS13-12	12	Φ155	52	210	180	Φ150	160	M10	Φ210	Φ14	50	4	CDM-80	CDP-80	
CPS13-13	13	Φ155	52	210	180	Φ150	160	M10	Φ210	Φ14	50	4	CDM-80	CDP-80	
CPS13-14	14	Φ165	55	220	200	Φ155	170	M10	Φ210	Φ14	50	4	CDM-90	CDP-90	
CPS13-15	15	Φ175	60	240	200	Φ155	170	M10	Φ225	Φ14	60	5	CDM-90	CDP-90	YDC2500B
CPS13-16	16	Φ185	62	250	210	Φ155	185	M10	Φ225	Φ14	60	5	CDM-90	CDP-90	
CPS13-17	17	Φ185	62	250	210	Φ155	185	M10	Φ225	Φ14	60	5	CDM-90	CDP-90	
CPS13-18	18	Φ185	63	250	210	Φ155	185	M10	Φ225	Φ14	60	5	CDM-90	CDP-90	YDC3000B
CPS13-19	19	Φ185	63	250	210	Φ155	185	M10	Φ225	Φ14	60	5	CDM-90	CDP-90	
CPS13-20~22	20~22	Φ210	65	280	240	Φ170	210	M10	Φ260	Φ16	60	5	CDM-100	CDP-100	YDC4000B
CPS13-23,24	23,24	Φ225	72	290	270	Φ180	210	M10	Φ280	Φ16	60	5	CDM-110	CDP-110	
CPS13-25~27	25~27	Φ230	76	300	280	Φ185	220	M10	Φ290	Φ16	60	5	CDM-110	CDP-110	
CPS13-28~31	28~31	Φ240	80	320	290	Φ195	230	M10	Φ290	Φ18	70	5	CDM-120	CDP-120	YDC5000B
CPS13-32~34	32~34	Φ265	85	340	300	Φ200	250	M10	Φ320	Φ18	70	6	CDM-120	CDP-120	YDC6500B
CPS13-35~37	35~37	Φ270	90	360	320	Φ200	260	M10	Φ350	Φ20	70	6	CDM-130	CDP-130	
CPS13-38~40	38~40	Φ295	95	380	350	Φ210	280	M10	Φ350	Φ20	70	6	CDM-130	CDP-130	
CPS13-41~43	41~43	Φ295	95	390	360	Φ225	280	M10	Φ350	Φ20	70	6	CDM-130	CDP-130	
CPS13-44~46	44~46	Φ310	100	400	370	Φ230	290	M10	Φ390	Φ20	70	7	CDM-140	CDP-140	
CPS13-47~49	47~49	Φ310	100	410	380	Φ240	300	M10	Φ390	Φ20	70	7	CDM-140	CDP-140	
CPS13-50~52	50~52	Φ320	105	420	390	Φ250	300	M10	Φ420	Φ20	70	7	CDM-140	CDP-140	YDC9000B
CPS13-53~55	53~55	Φ320	110	440	400	Φ260	320	M10	Φ420	Φ20	70	7	CDM-140	CDP-140	

Unit:mm

* is the number of strand

Tecnical Data for CPS Stressing Anchorage

Technical drawing for CPS Stressing Anchorage with 0.6" strand

Part No.	No. of Strand	Anchor Head		Bearing Plate					Spiral Reinforcement				Corrugated Duct (round)		Matching Stressing Jack
				CPS15-*D					CPS15-*LX				Metal	Plastic	
		A	B	C	D	E	Installation Hole		F	G	H	Number of Laps	Part No.	Part No.	
							Spacing	Diameter							
CPS15-1	1	Φ46	48	80	80	Φ16	-	-	Φ80	Φ6	30	4	-	-	YDQ260B
CPS15-2	2	Φ83	48	115	80	Φ80	85	M10	Φ120	Φ8	40	4	CDM-45	CDP-45	YDC1000B
CPS15-3	3	Φ85	48	130	90	Φ90	90	M10	Φ120	Φ10	40	4	CDM-50	CDP-50	
CPS15-4	4	Φ95	48	140	100	Φ90	100	M10	Φ140	Φ10	50	4	CDM-55	CDP-55	
CPS15-5	5	Φ105	48	150	120	Φ95	110	M10	Φ150	Φ10	50	4	CDM-55	CDP-55	
CPS15-6	6	Φ125	48	165	120	Φ110	120	M10	Φ170	Φ12	50	4	CDM-70	CDP-70	YDC1500B
CPS15-7	7	Φ125	50	175	130	Φ110	125	M10	Φ170	Φ12	50	4	CDM-70	CDP-70	
CPS15-8	8	Φ135	51	185	130	Φ120	135	M10	Φ190	Φ12	50	4	CDM-80	CDP-80	YDC2000B
CPS15-9	9	Φ145	52	200	160	Φ125	150	M10	Φ200	Φ12	50	4	CDM-80	CDP-80	
CPS15-10	10	Φ155	54	210	180	Φ135	160	M10	Φ210	Φ14	50	4	CDM-90	CDP-90	YDC2500B
CPS15-11	11	Φ165	55	220	200	Φ135	170	M10	Φ210	Φ14	50	4	CDM-90	CDP-90	
CPS15-12	12	Φ165	58	230	200	Φ135	170	M10	Φ225	Φ14	60	4	CDM-90	CDP-90	YDC3000B
CPS15-13	13	Φ165	60	240	200	Φ135	170	M10	Φ225	Φ14	60	4	CDM-90	CDP-90	
CPS15-14	14	Φ175	62	250	195	Φ145	185	M10	Φ240	Φ14	60	5	CDM-100	CDP-100	
CPS15-15	15	Φ185	63	260	220	Φ150	190	M10	Φ260	Φ14	60	5	CDM-100	CDP-100	
CPS15-16	16	Φ195	63	265	240	Φ155	200	M10	Φ260	Φ16	60	5	CDM-110	CDP-110	YDC4000B
CPS15-17	17	Φ195	66	270	240	Φ155	200	M10	Φ280	Φ16	60	5	CDM-110	CDP-110	
CPS15-18	18	Φ205	68	280	240	Φ160	210	M10	Φ280	Φ16	60	5	CDM-110	CDP-110	
CPS15-19	19	Φ205	70	290	240	Φ160	210	M10	Φ280	Φ16	60	5	CDM-110	CDP-110	
CPS15-20,21	20,21	Φ225	75	300	260	Φ170	220	M10	Φ290	Φ16	60	5	CDM-120	CDP-120	YDC5000B
CPS15-22	22	Φ225	75	300	260	Φ170	220	M10	Φ290	Φ18	70	5	CDM-120	CDP-120	
CPS15-23,24	23,24	Φ240	80	315	290	Φ180	2330	M10	Φ290	Φ18	70	5	CDM-120	CDP-120	YDC6500B
CPS15-25~27	25~27	Φ245	82	320	290	Φ180	2330	M10	Φ290	Φ18	70	5	CDM-120	CDP-120	
CPS15-28~31	28~31	Φ260	88	340	300	Φ205	250	M10	Φ320	Φ18	70	6	CDM-130	CDP-130	YDC9000B
CPS15-32~34	32~34	Φ280	92	370	350	Φ215	280	M10	Φ350	Φ20	70	6	CDM-140	CDP-140	
CPS15-35~37	35~37	Φ290	95	390	360	Φ215	280	M10	Φ350	Φ20	70	6	CDM-140	CDP-140	
CPS15-38	38	Φ320	98	420	390	Φ240	300	M10	Φ390	Φ20	70	6	CDM-140	CDP-140	
CPS15-39,40	39,40	Φ320	98	420	390	Φ240	300	M10	Φ390	Φ20	70	7	CDM-140	CDP-140	YDC12000B
CPS15-41~43	41~43	Φ320	100	440	400	Φ260	320	M10	Φ390	Φ20	70	7	CDM-160	CDP-160	
CPS15-44~46	44~46	Φ330	105	460	420	Φ280	340	M10	Φ420	Φ20	70	7	CDM-160	CDP-160	
CPS15-47~49	47~49	Φ330	110	480	450	Φ300	360	M10	Φ420	Φ20	70	7	CDM-160	CDP-160	
CPS15-50~52	50~52	Φ340	115	500	475	Φ320	380	M10	Φ450	Φ20	70	8	CDM-160	CDP-160	
CPS15-53~55	53~55	Φ340	120	520	500	Φ330	400	M10	Φ450	Φ20	70	8	CDM-160	CDP-160	

Unit:mm

* is the number of strand

Reference Photos for Stressing Anchorage



Strand installation



Strand installation



Post-tensioning



Post-tensioning



Post-tensioned



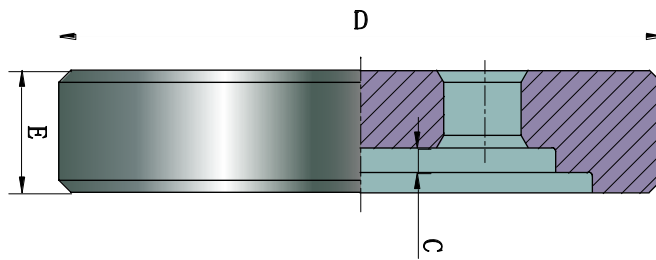
Post-tensioned



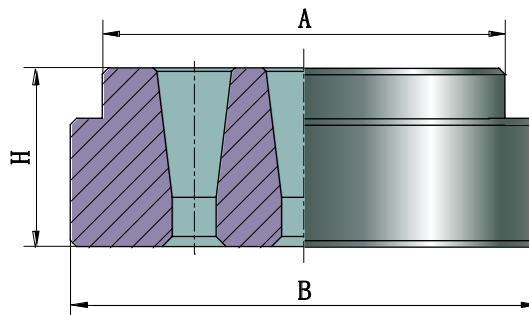
Post-tensioning on box girder

Technical drawings for CPS Stressing Anchorage

Technical drawings for Limiting Plate & Grip Anchor Head



CPS Limiting Plate Structural Diagram



CPS Grip Anchor Head Structural Diagram

Technical data for CPS Stressing Anchorage

Technical data for CPS Limiting Plate & Grip Anchor Head with 0.5" strand

Number of Strand	Grip Anchor Head				Limiting Plate				Matching Stressing Jack
					CPS13-*X				
	Part No.	A	B	H	Part No.	D	E	C	
1	CPS13-1G	Φ52	Φ52	60	-	-	-		YDQ260B
2~5	CPS13-2~5G	Φ120	Φ134	60	CPS13-2~5X	Φ149	30	5	YDC1000B
6,7	CPS13-6,7G	Φ126	Φ134	60	CPS13-6,7X	Φ149	30	5	
8~10	CPS13-8~10G	Φ160	Φ174	60	CPS13-8~10X	Φ194	30	5	YDC1500B
11~13	CPS13-11~13G	Φ174	Φ184	70	CPS13-11~13X	Φ194	30	5	YDC2000B
14,15	CPS13-14,15G	Φ174	Φ184	70	CPS13-14,15X	Φ208	35	5	
16~22	CPS13-16~22G	Φ230	Φ250	80	CPS13-16~22X	Φ248	35	5	YDC4000B
23,24	CPS13-23,24G	Φ230	Φ250	85	CPS13-23,24X	Φ248	35	5	
25~27	CPS13-25~27G	Φ230	Φ250	90	CPS13-25~27X	Φ248	35	5	
28~31	CPS13-28~31G	Φ270	Φ300	100	CPS13-28~31X	Φ360	35	5	YDC5000B
32~37	CPS13-32~37G	Φ280	Φ300	120	CPS13-32~37X	Φ360	35	5	YDC6500B
38~43	CPS13-38~43G	Φ280	Φ300	130	CPS13-38~43X	Φ360	35	5	
44,45	CPS13-44,45G	Φ370	Φ370	140	CPS13-44,45X	Φ390	35	5	YDC9000B

Technical data for CPS Limiting Plate & Grip Anchor Head with 0.5" strand

Number of Strand	Grip Anchor Head				Limiting Plate				Matching Stressing Jack
					CPS15-*X				
	Part No.	A	B	H	Part No.	D	E	C	
1	CPS15-1G	Φ52	Φ52	60		-	-		YDQ260B
2~4	CPS15-2~4G	Φ120	Φ134	60	CPS15-2~4X	Φ148	30	7.5	YDC1000B
5	CPS15-5G	Φ126	Φ134	60	CPS15-5X	Φ148	30	7.5	
6,7	CPS15-6,7G	Φ160	Φ175	60	CPS15-6,7X	Φ194	30	7.5	YDC1500B
8,9	CPS15-8,9G	Φ174	Φ184	60	CPS15-8,9X	Φ194	30	7.5	YDC2000B
10~13	CPS15-10~13G	Φ174	Φ184	70	CPS15-10~13X	Φ208	35	7.5	YDC3000B
14	CPS15-14G	Φ230	Φ250	80	CPS15-14X	Φ208	35	7.5	
15~17	CPS15-15~17G	Φ230	Φ250	80	CPS15-15~17X	Φ248	35	7.5	YDC4000B
18,19	CPS15-18,19G	Φ230	Φ250	90	CPS15-18,19X	Φ248	35	7.5	
20~22	CPS15-20~22G	Φ270	Φ300	100	CPS15-20~22X	Φ360	35	7.5	YDC5000B
23,24	CPS15-23,24G	Φ270	Φ300	110	CPS15-23,24X	Φ360	35	7.5	
25~27	CPS15-25~27G	Φ270	Φ300	120	CPS15-25~27X	Φ360	35	7.5	YDC6500B
28~31	CPS15-28~31G	Φ280	Φ300	120	CPS15-28~31X	Φ360	35	7.5	
32~37	CPS15-32~37G	Φ350	Φ370	130	CPS15-32~37X	Φ390	35	7.5	YDC9000B
38~43	CPS15-38~43G	Φ350	Φ370	140	CPS15-38~43X	Φ390	35	7.5	
44~55	CPS15-44~55G	Φ400	Φ420	150	CPS15-44~55X	Φ420	35	7.5	YDC12000B

Unit:mm

* is the number of strand

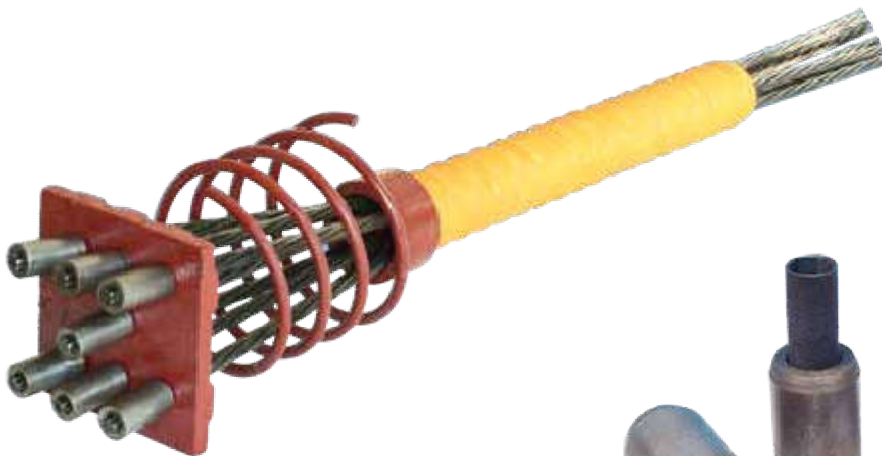
CPS Fixed P Anchorage (Swage)

This type of anchorage system with compression fitting is used when the strand tendons are buried into the structure and no stressing is done (or cannot be done) on this fixed end tendon (also commonly known as dead anchor). However prestressing force still has to be transferred to the structure at the fixed end of the strand tendon.

This kind of anchorage system provides the best solution when strand has to be push through on site. Its generic dimension and layout of tendons is similar to stressing anchorage.

CPS's innovation on the wedge-type compression barrel provides users with a perfect solution on fixed end anchorage system with compression fitting. This award winning patented innovation has received many positive feedbacks from our clients and operators on its ease of usage and also high efficiency.

The GYJ series Compression Fitting Equipment is the instrument used to bond the strand to the compression barrel and thus forming the compression fitting.

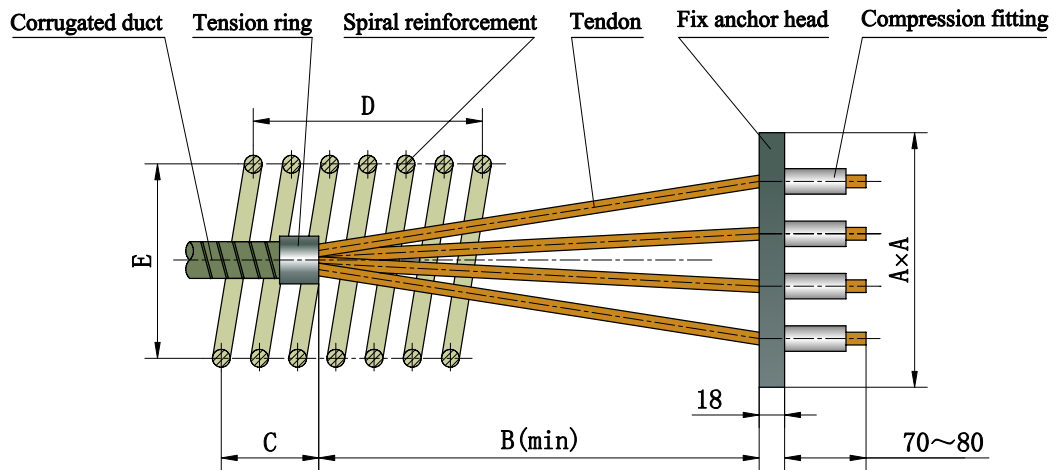


CPS Fixed P Anchorage



Swages

Technical Drawing for CPS Fixed P Anchorage (Swage)



CPS Fixed P Anchorage structural diagram



Fixed P anchorage at Construction site

Technical data for CPS Fix P-anchorage

Technical data for CPS Fix P Anchorage with 0.5" strand

Part number	Number of strand	Fix anchor head	Tension ring	Spiral reinforcement			Corrugated duct (round)	
			CPS13-*PYS	CPS13-*LX			Metal	Plastic
		A	B(min)	C	D	E	Part number	Part number
CPS13-1P	1	70	-	-	120	Φ80	-	-
CPS13-2P	2	90	180	85	160	Φ120	CDM-45	CDP-45
CPS13-3P	3	100	180	85	160	Φ120	CDM-50	CDP-45
CPS13-4P	4	115	240	100	160	Φ120	CDM-50	CDP-50
CPS13-5P	5	130	240	100	200	Φ140	CDM-55	CDP-55
CPS13-6P	6	140	300	110	200	Φ150	CDM-55	CDP-55
CPS13-7P	7	150	300	110	200	Φ150	CDM-55	CDP-55
CPS13-8P	8	160	360	110	200	Φ170	CDM-70	CDP-70
CPS13-9P	9	170	360	110	200	Φ170	CDM-70	CDP-70
CPS13-10P	10	180	420	110	200	Φ190	CDM-80	CDP-80
CPS13-11P	11	190	420	120	200	Φ210	CDM-80	CDP-80
CPS13-12P	12	200	420	120	200	Φ210	CDM-80	CDP-80
CPS13-13P	13	205	420	120	200	Φ210	CDM-80	CDP-80
CPS13-14P	14	215	420	135	200	Φ210	CDM-90	CDP-90
CPS13-15P	15	220	480	135	300	Φ225	CDM-90	CDP-90
CPS13-16P	16	230	480	135	300	Φ225	CDM-90	CDP-90
CPS13-17P	17	235	480	135	300	Φ225	CDM-90	CDP-90
CPS13-18P	18	245	540	135	300	Φ225	CDM-90	CDP-90
CPS13-19P	19	250	540	135	300	Φ225	CDM-90	CDP-90
CPS13-20P	20	255	650	135	300	Φ260	CDM-100	CDP-100
CPS13-21P	21	260	650	135	300	Φ260	CDM-100	CDP-100
CPS13-22P	22	270	650	135	300	Φ260	CDM-100	CDP-100
CPS13-23P	23	280	700	135	300	Φ280	CDM-110	CDP-100
CPS13-24P	24	300	700	135	300	Φ280	CDM-110	CDP-100
CPS13-25P	25	320	720	135	300	Φ290	CDM-110	CDP-100
CPS13-26P	26	330	720	135	300	Φ290	CDM-110	CDP-100
CPS13-27P	27	330	720	135	300	Φ290	CDM-110	CDP-100

Unit:mm

* is the number of strand

Technical data for CPS Fix P-anchorage

Technical data for CPS Fix P Anchorage with 0.6" strand

Part number	Number of strand	Fix anchor head	Tension ring	Spiral reinforcement			Corrugated Duct (round)	
			CPS15-*PYS	CPS15-*LX			Metal	Plastic
		A	B(min)	C	D	E	Part number	Part number
CPS15-1P	1	80	-	-	120	Φ80	-	-
CPS15-2P	2	95	180	45	160	Φ120	CDM-45	CDP-45
CPS15-3P	3	105	180	45	160	Φ120	CDM-50	CDP-50
CPS15-4P	4	130	240	45	200	Φ140	CDM-55	CDP-55
CPS15-5P	5	145	300	45	200	Φ150	CDM-55	CDP-55
CPS15-6P	6	160	360	45	200	Φ170	CDM-70	CDP-70
CPS15-7P	7	170	420	45	200	Φ170	CDM-70	CDP-70
CPS15-8P	8	185	420	45	200	Φ190	CDM-80	CDP-80
CPS15-9P	9	195	480	45	200	Φ200	CDM-80	CDP-80
CPS15-10P	10	205	480	45	200	Φ210	CDM-90	CDP-90
CPS15-11P	11	215	480	45	200	Φ210	CDM-90	CDP-90
CPS15-12P	12	225	480	45	240	Φ225	CDM-90	CDP-90
CPS15-13P	13	235	480	45	240	Φ225	CDM-90	CDP-90
CPS15-14P	14	245	480	45	300	Φ240	CDM-100	CDP-100
CPS15-15P	15	255	540	45	300	Φ260	CDM-100	CDP-100
CPS15-16P	16	260	540	45	300	Φ260	CDM-110	CDP-100
CPS15-17P	17	270	540	45	300	Φ280	CDM-110	CDP-100
CPS15-18P	18	275	600	45	300	Φ280	CDM-110	CDP-100
CPS15-19P	19	285	600	45	300	Φ280	CDM-110	CDP-100
CPS15-20P	20	290	660	45	300	Φ290	CDM-120	CDP-120
CPS15-21P	21	300	660	45	300	Φ290	CDM-120	CDP-120
CPS15-22P	22	305	660	45	350	Φ290	CDM-120	CDP-120
CPS15-23P	23	310	720	45	350	Φ290	CDM-120	CDP-120
CPS15-24P	24	315	720	45	350	Φ290	CDM-120	CDP-120
CPS15-25P	25	330	720	45	350	Φ290	CDM-120	CDP-120
CPS15-26P	26	340	720	45	350	Φ290	CDM-120	CDP-120
CPS15-27P	27	340	720	45	350	Φ290	CDM-120	CDP-120

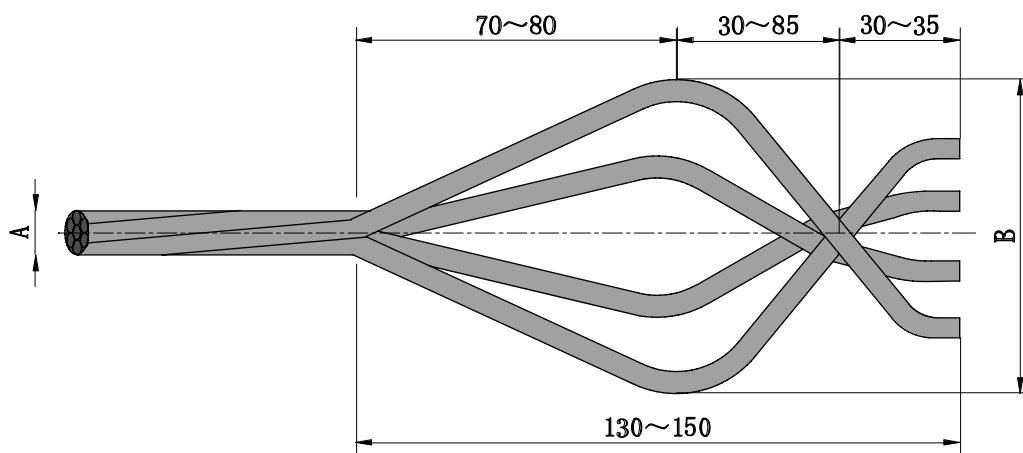
Unit:mm

* is the number of strand

CPS Fixed H Anchorage

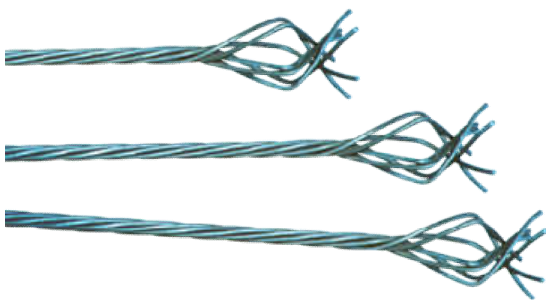
Type H is another form of fixed end anchorage system (also commonly known as dead anchor). Its unique function is when the strand is deliberately shaped to form a bond head (also commonly known as pear / onion shape head) and prestressing force is directly transferred to the concrete structure when the strands bond with the concrete.

The bond head can be formed with CPS YH30 Bond Head Equipment.



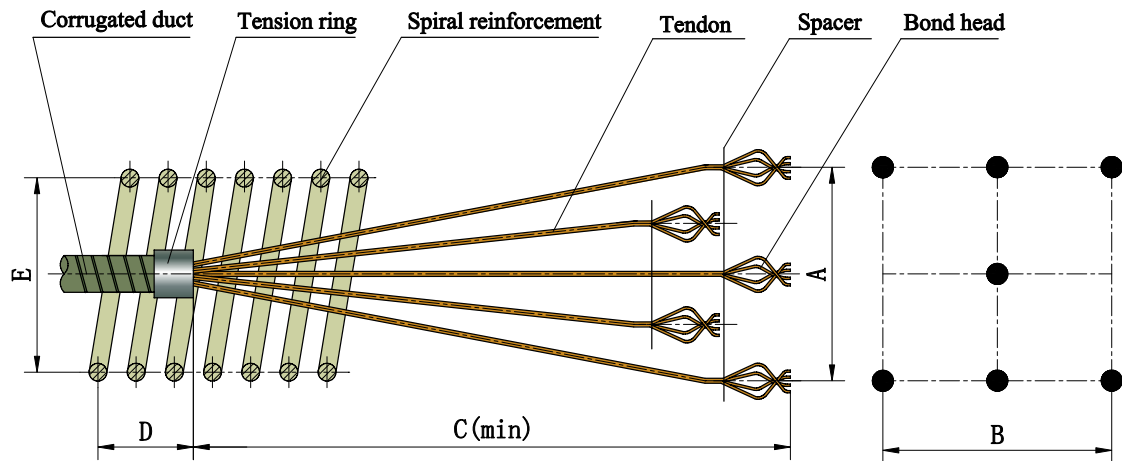
Technical drawing for CPS Bond head

Technical data for CPS Bond Head



Diameter of strand	Bond Head
	$B = (5 \sim 6.5 \times A)$
A	B
$\Phi 12.70$	80
$\Phi 15.24$	95

Technical drawing for CPS Fix H Anchorage



Technical drawing for CPS Fix H Anchorage



Fix H Anchorage

Technical data for CPS Fix H Anchorage

Technical data for CPS Fix H Anchorage with 0.5" strand

Part number	Number of strand	Bond Head Dim.		Tension ring	Spiral reinforcement		Corrugated duct (round)	
				CPS13-*PYS	CPS13-*LX		Metal	Plastic
		A	B	C(min)	D	E	Part number	Part number
CPS13-2H	2	130	70	650	145	Φ120	CDM-45	CDP-45
CPS13-3H	3	130	70	650	145	Φ120	CDM-50	CDP-50
CPS13-4H	4	150	170	650	145	Φ120	CDM-50	CDP-50
CPS13-5H	5	160	180	650	145	Φ140	CDM-55	CDP-55
CPS13-6,7H	6,7	170	190	850	155	Φ150	CDM-55	CDP-55
CPS13-8,9H	8,9	220	250	850	155	Φ170	CDM-70	CDP-70
CPS13-10H	10	220	250	850	155	Φ190	CDM-80	CDP-80
CPS13-11H	11	220	250	850	155	Φ210	CDM-80	CDP-80
CPS13-12H	12	270	310	850	155	Φ210	CDM-80	CDP-80
CPS13-13H	13	270	310	900	155	Φ210	CDM-80	CDP-80
CPS13-14H	14	270	310	900	155	Φ210	CDM-90	CDP-90
CPS13-15H	15	270	310	900	155	Φ225	CDM-90	CDP-90
CPS13-16H	16	270	310	950	155	Φ225	CDM-90	CDP-90
CPS13-17H	17	310	390	950	155	Φ225	CDM-90	CDP-90
CPS13-18H	18	310	390	950	155	Φ225	CDM-90	CDP-90
CPS13-19H	19	310	390	950	155	Φ225	CDM-90	CDP-90
CPS13-20H	20	310	390	1050	155	Φ260	CDM-100	CDP-100
CPS13-21H	21	310	390	1050	155	Φ260	CDM-100	CDP-100
CPS13-22H	22	310	390	1050	155	Φ260	CDM-100	CDP-100
CPS13-23H	23	410	430	1100	155	Φ280	CDM-110	CDP-110
CPS13-24H	24	410	430	1100	155	Φ280	CDM-110	CDP-110
CPS13-25H	25	410	430	1150	155	Φ290	CDM-110	CDP-110
CPS13-26H	26	410	430	1150	155	Φ290	CDM-110	CDP-110
CPS13-27H	27	410	430	1150	155	Φ290	CDM-110	CDP-110
CPS13-31H	31	430	470	1150	155	Φ290	CDM-120	CDP-120
CPS13-37H	37	430	470	1680	165	Φ350	CDM-130	CDP-130
CPS13-43H	43	560	580	1980	185	Φ350	CDM-130	CDP-130
CPS13-55H	55	560	680	1980	185	Φ420	CDM-140	CDP-140

Unit:mm

* is the number of strand

Technical data for CPS Fix H Anchorage

Technical data for CPS Fix H Anchorage with 0.6" strand

Part number	Number of strand	Bond Head Dim.		Tension ring	Spiral reinforcement		Corrugated duct (round)	
				CPS13-*PYS	CPS13-*LX		Metal	Plastic
		A	B	C(min)	D	E	Part number	Part number
CPS15-2H	2	190	90	950	145	Φ120	CDM-45	CDP-45
CPS15-3H	3	190	90	950	145	Φ120	CDM-50	CDP-50
CPS15-4H	4	190	210	950	145	Φ140	CDM-55	CDP-55
CPS15-5H	5	200	220	950	145	Φ150	CDM-55	CDP-55
CPS15-6,7H	6,7	210	230	1300	155	Φ170	CDM-70	CDP-70
CPS15-8,9H	8,9	270	310	1300	155	Φ190	CDM-80	CDP-80
CPS15-10H	10	270	310	1300	155	Φ210	CDM-90	CDP-90
CPS15-11H	11	270	310	1300	155	Φ210	CDM-90	CDP-90
CPS15-12H	12	330	390	1300	155	Φ225	CDM-90	CDP-90
CPS15-13H	13	330	390	1300	155	Φ225	CDM-90	CDP-90
CPS15-14H	14	330	390	1300	155	Φ240	CDM-100	CDP-100
CPS15-15H	15	330	390	1300	155	Φ260	CDM-100	CDP-100
CPS15-16H	16	330	390	1300	155	Φ260	CDM-110	CDP-110
CPS15-17H	17	390	470	1300	155	Φ280	CDM-110	CDP-110
CPS15-18H	18	390	470	1300	155	Φ280	CDM-110	CDP-110
CPS15-19H	19	390	470	1300	155	Φ280	CDM-110	CDP-110
CPS15-20H	20	390	470	1500	155	Φ290	CDM-120	CDP-120
CPS15-21H	21	390	470	1500	155	Φ290	CDM-120	CDP-120
CPS15-22H	22	390	470	1500	155	Φ290	CDM-120	CDP-120
CPS15-23H	23	450	520	1600	155	Φ290	CDM-120	CDP-120
CPS15-24H	24	450	520	1600	155	Φ290	CDM-120	CDP-120
CPS15-25H	25	450	520	1700	155	Φ290	CDM-120	CDP-120
CPS15-26H	26	450	520	1700	155	Φ290	CDM-120	CDP-120
CPS15-27H	27	450	520	1700	155	Φ290	CDM-120	CDP-120
CPS15-31H	31	510	570	1700	165	Φ320	CDM-130	CDP-130
CPS15-37H	37	510	690	2000	185	Φ350	CDM-140	CDP-140
CPS15-43H	43	550	750	2500	210	Φ390	CDM-160	CDP-160
CPS15-55H	55	620	850	2500	240	Φ450	CDM-160	CDP-160

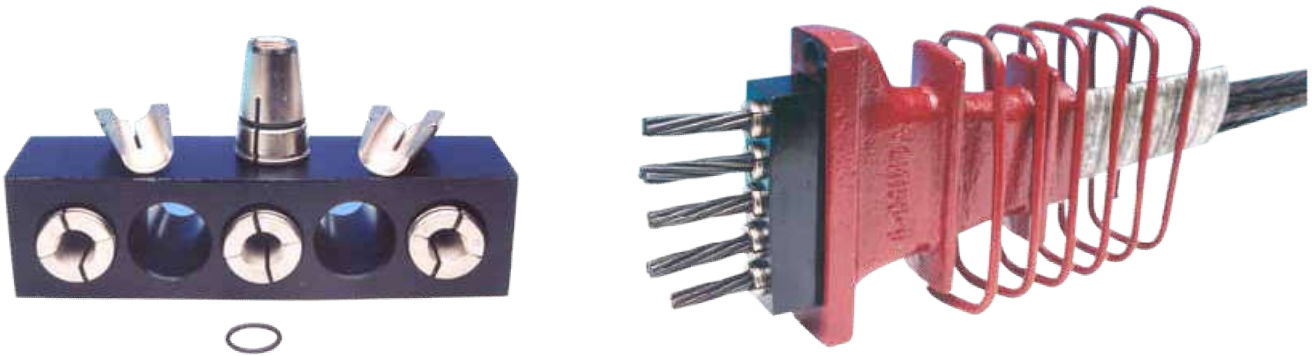
Unit:mm

* is the number of strand

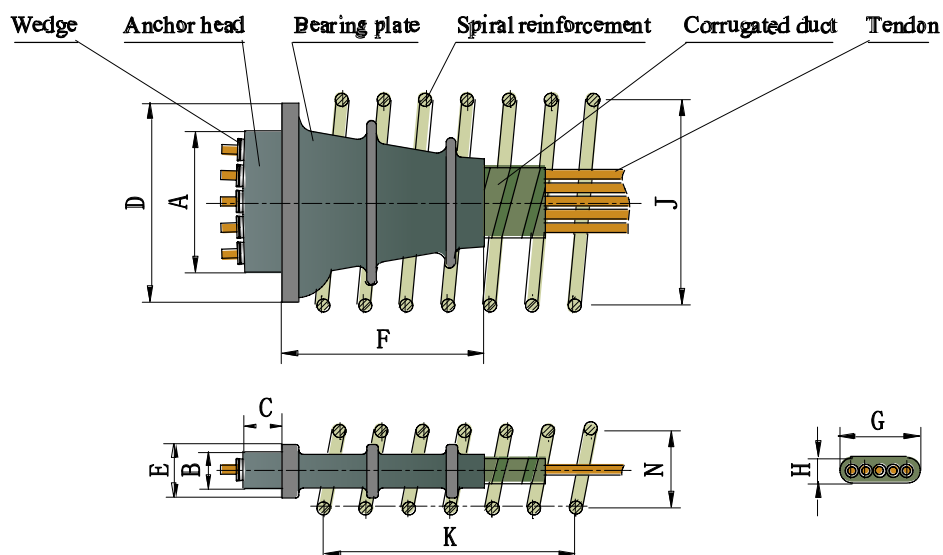
CPS Flat Stressing Anchorage

Flat Stressing Anchorage is generally used for the side walls of hollow core beams / girders, transverse post-tensioning of box girders deck / top slab, flat slab etc. CPS has a patented design Stressing Jack (YDB series) that is specifically designed for optimum stressing of flat anchorage.

Flat Stressing Anchorage consists of wedge, flat anchor head, flat bearing plate and flat spiral reinforcement.



Technical drawing for CPS Flat Stressing Anchorage



CPS Flat Stressing Anchorage structural diagram

Technical data for CPS Flat Stressing Anchorage

Technical data for CPS Flat Stressing Anchorage with 0.5" strand

Part number				CPS13B-2	CPS13B-3	CPS13B-4	CPS13B-5
Number of strand				2	3	4	5
Flat anchor head			A	76	107	138	169
			B	45	45	45	45
			C	45	45	45	45
Bearing plate	CPS13B-*D		D	135	172	210	243
			E	60	60	60	60
			F	100	140	180	220
Spiral reinforcement	CPS13B-*LX		J	90	90	90	90
			K	200	250	250	275
			N	130	170	210	240
			Number of Turns	4	5	5	5.5
Corrugated Duct (flat)	Metal		Part number	JBGB-50	JBGB-60	JBGB-70	JBGB-90
		Inner dia.	G	50	60	70	90
			H	19	19	19	19
	Plastic		Part number	SBGB-46	SBGB-60	SBGB-70	SBGB-90
		Inner dia.	G	46	60	72	90
			H	20	20	22	22
Matching flat stressing jack				YDB600B	YDB600B	YDB800B	YDB1000B

Technical data for CPS Flat Stressing Anchorage with 0.6" strand

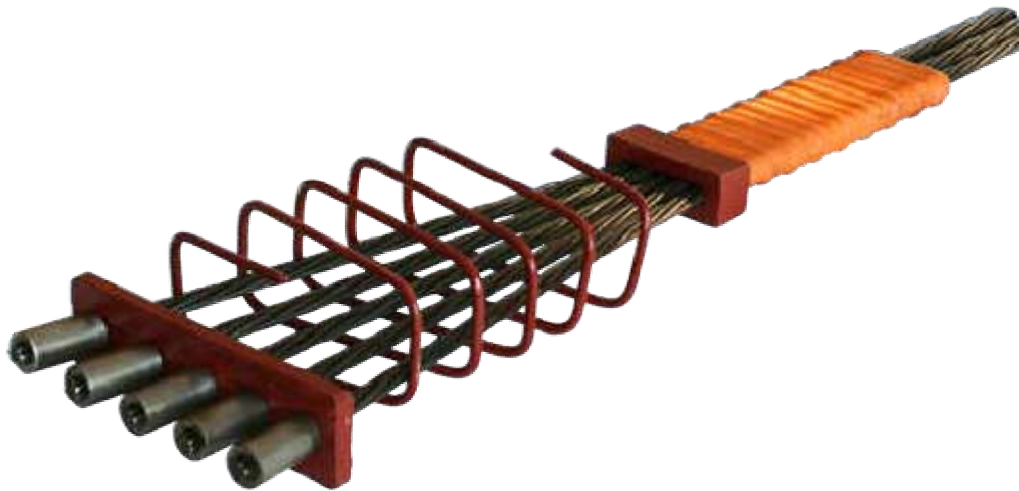
Part number				CPS15B-2	CPS15B-3	CPS15B-4	CPS15B-5
Number of strand				2	3	4	5
Flat anchor head			A	80	115	150	185
			B	48	48	48	48
			C	50	50	50	50
Bearing plate	CPS13B-*D		D	135	180	220	255
			E	65	70	70	70
			F	100	135	200	240
Spiral reinforcement	CPS13B-*LX		J	90	90	90	90
			K	200	250	250	275
			N	130	170	210	240
			Number of Turns	4	5	5	5.5
Corrugated Duct (flat)	Metal		Part number	JBGB-50	JBGB-60	JBGB-70	JBGB-90
			G	50	60	70	90
			H	19	19	19	19
	Plastic		Part number	SBGB-46	SBGB-60	SBGB-70	SBGB-90
			G	46	60	72	90
			H	20	20	22	22
Matching flat stressing jack				YDB600B	YDB600B	YDB800B	YDB1000B

Unit:mm

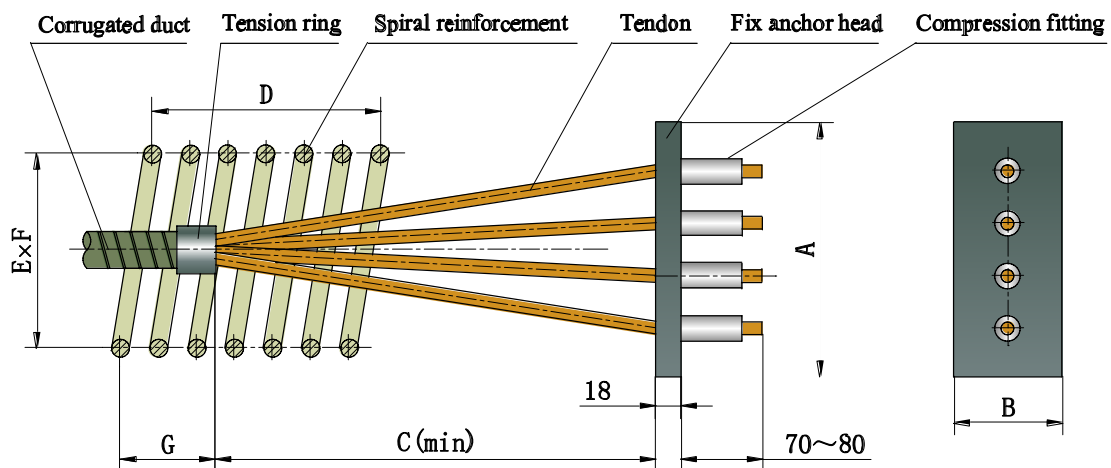
* is the number of strand

CPS Flat Fix P-anchorage

Flat fixed end anchorages using P-anchorage & H-anchorage is when there's a need for the prestressing force to be directly transferred to the side walls of hollow core beams / girders.



Technical drawing for CPS Flat Fix P-anchorage



CPS Flat Fix P-anchorage structural diagram

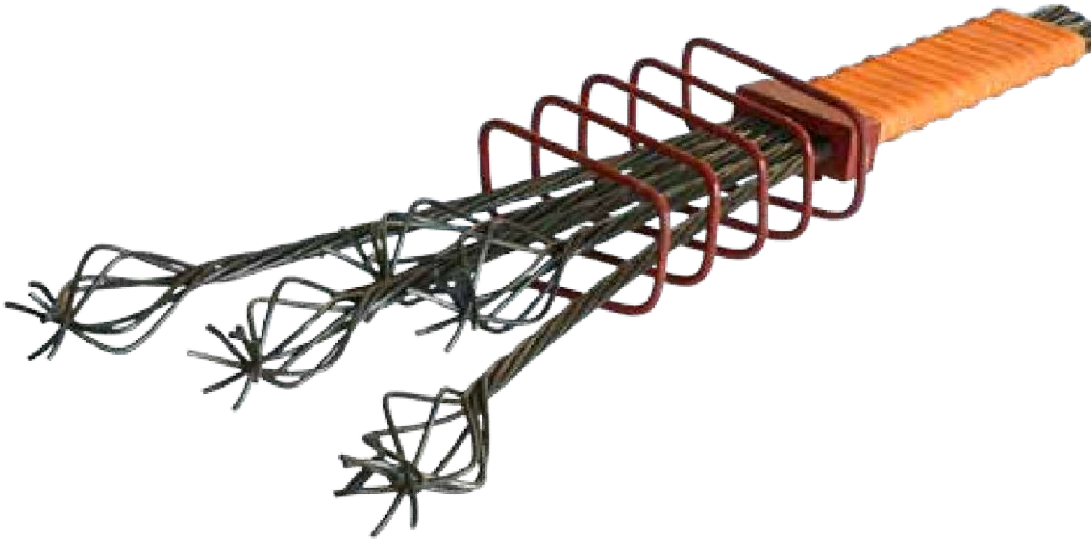
Technical data for CPS Flat Fix P Anchorage

Technical data for CPS Flat Fix P Anchorage with 0.5" strand

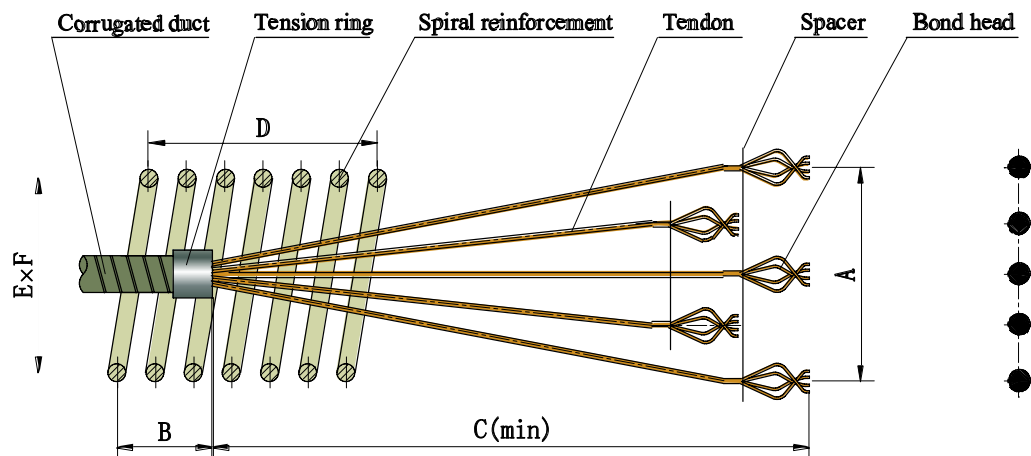
Part number	Number of strand	Fixed anchor head		Tension Ring	Spiral reinforcement				Corrugated Duct (flat)	
				CPS13B-*PYS	CPS13B-*LX				Metal	Plastic
		A	B	C(min)	D	E	F	G	Part number	Part number
CPS13B-2P	2	100	65	150	200	130	90	85	CDMF-50	CDPF-46
CPS13B-3P	3	150	65	200	250	170	90	85	CDMF-60	CDPF-60
CPS13B-4P	4	200	65	250	250	210	90	100	CDMF-70	CDPF-72
CPS13B-5P	5	250	65	300	275	240	90	100	CDMF-90	CDPF-90

Technical data for CPS Flat Fix P Anchorage with 0.6" strand

Part number	Number of strand	Fixed anchor head		Tension Ring	Spiral reinforcement				Corrugated Duct (flat)	
				CPS15B-*PYS	CPS15B-*LX				Metal	Plastic
		A	B	C(min)	D	E	F	G	Part number	Part number
CPS15B-2P	2	110	70	180	200	130	90	100	CDMF-50	CDPF-46
CPS15B-3P	3	160	70	240	250	170	90	100	CDMF-60	CDPF-60
CPS15B-4P	4	210	70	300	250	210	90	110	CDMF-70	CDPF-72
CPS15B-5P	5	260	70	360	275	240	90	110	CDMF-90	CDPF-90



Technical drawing for CPS Flat Fix H-anchorage



CPS Flat Fix H-anchorage structural diagram

Technical data for CPS Flat Fix P Anchorage

Technical data for CPS Flat Fix H Anchorage with 0.5" strand

Part number	Number of strand	Fixed anchor head	Tension Ring	Spiral reinforcement				Corrugated Duct (flat)	
			CPS13B-*PYS	CPS13B-*LX				Metal	Plastic
		A	C(min)	B	D	E	F	Part number	Part number
CPS13B-2H	2	100	500	145	200	130	90	CDMF-50	CDPF-46
CPS13B-3H	3	150	550	145	250	170	90	CDMF-60	CDPF-60
CPS13B-4H	4	200	600	145	250	210	90	CDMF-70	CDPF-72
CPS13B-5H	5	250	650	145	275	240	90	CDMF-90	CDPF-90

Technical data for CPS Flat Fix H Anchorage with 0.6" strand

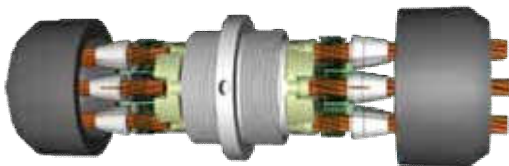
Part number	Number of strand	Fixed anchor head	Tension Ring	Spiral reinforcement				Corrugated Duct (flat)	
			CPS15B-*PYS	CPS15B-*LX				Metal	Plastic
		A	C(min)	B	D	E	F	Part number	Part number
CPS15B-2H	2	100	750	145	200	130	90	CDMF-50	CDPF-46
CPS15B-3H	3	150	800	145	250	170	90	CDMF-60	CDPF-60
CPS15B-4H	4	200	850	145	250	210	90	CDMF-70	CDPF-72
CPS15B-5H	5	250	900	145	275	240	90	CDMF-90	CDPF-90

CPS Integral Coupler (LB series)

CPS LB series Integral Coupler is a small, compact yet highly efficient coupler. Its function is to extend the length of the strand tendon / cable. This series of coupler is commonly used on continuous post-tensioning beam structure. Only wedges are used in the coupler. Due to its small and compact size, it is widely used on the side slab of box girders as well.



CPS Integral coupler & wedge

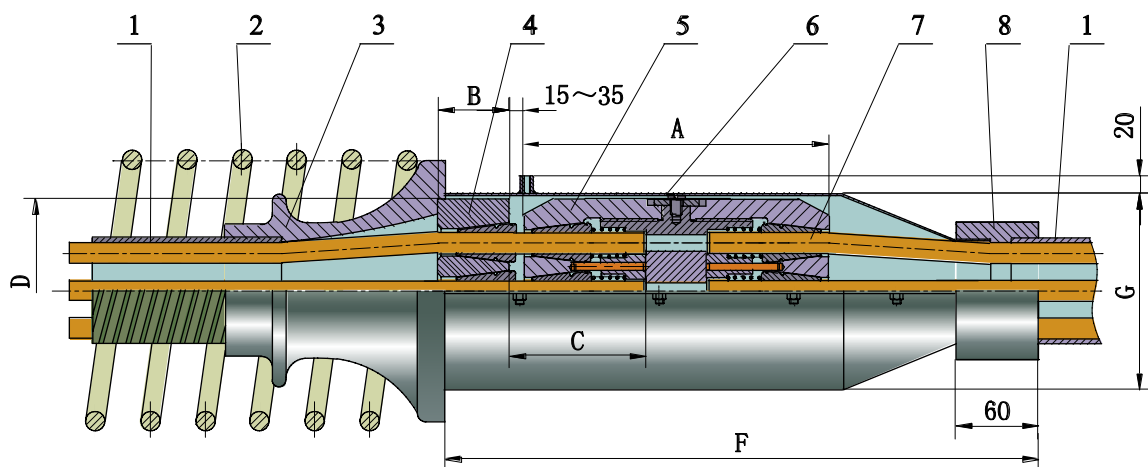


CPS Integral coupler structure



CPS Integral coupler under static load test

Technical drawing for CPS Integral Coupler (LB series)



- | | | | |
|--------------------|-------------------------|------------------|-----------------|
| 1) Corrugated duct | 2) Spiral reinforcement | 3) Bearing plate | 4) Anchor head |
| 5) Coupler | 6) Protective cover | 7) Tendon | 8) Tension ring |

CPS Integral Coupler (LB series) structural diagram

Technical data for CPS Integral Coupler (LB series)

Technical data for CPS Integral Coupler (LB series) with 0.6" strand

Part number	Number of strand	Coupler	Anchor head		Necessary strand protrusion	Tension ring	Protective cover	Corrugated duct (round)		Matching stressing jack
			CPS15-*			CPS15-*LYS	CPS15.BZF-*LB	Metal	Plastic	
		A	B	D	C	F	G	Part number	Part number	
CPS15-3LB	3	210	48	Φ85	≥90	430	Φ95	CDM-50	CDP-50	YDC1000B
CPS15-4LB	4	220	48	Φ95	≥90	440	Φ105	CDM-55	CDP-55	
CPS15-5LB	5	225	48	Φ105	≥90	440	Φ115	CDM-55	CDP-55	
CPS15-6LB	6	230	48	Φ125	≥100	450	Φ135	CDM-70	CDP-70	YDC1500B
CPS15-7LB	7	240	50	Φ125	≥100	450	Φ135	CDM-70	CDP-70	
CPS15-8LB	8	240	51	Φ135	≥100	460	Φ145	CDM-80	CDP-80	YDC2000B
CPS15-9LB	9	250	52	Φ145	≥100	460	Φ155	CDM-80	CDP-80	
CPS15-10LB	10	260	54	Φ155	≥110	460	Φ165	CDM-90	CDP-90	YDC2500B
CPS15-11LB	11	265	55	Φ165	≥110	460	Φ175	CDM-90	CDP-90	
CPS15-12LB	12	280	58	Φ165	≥120	480	Φ175	CDM-90	CDP-90	
CPS15-13LB	13	285	60	Φ165	≥120	480	Φ175	CDM-90	CDP-90	YDC3000B
CPS15-14LB	14	290	62	Φ175	≥120	480	Φ185	CDM-100	CDP-100	
CPS15-15LB	15	290	63	Φ185	≥120	480	Φ195	CDM-100	CDP-100	
CPS15-16LB	16	300	63	Φ195	≥120	480	Φ205	CDM-110	CDP-110	YDC4000B
CPS15-17LB	17	315	66	Φ195	≥120	480	Φ205	CDM-110	CDP-110	
CPS15-18LB	18	320	68	Φ205	≥120	480	Φ215	CDM-110	CDP-110	
CPS15-19LB	19	330	70	Φ205	≥120	480	Φ215	CDM-110	CDP-110	YDC5000B
CPS15-20LB	20	350	75	Φ225	≥130	500	Φ235	CDM-120	CDP-120	
CPS15-21LB	21	350	75	Φ225	≥130	500	Φ235	CDM-120	CDP-120	
CPS15-22LB	22	355	75	Φ225	≥130	500	Φ235	CDM-120	CDP-120	YDC6500B
CPS15-23LB	23	360	80	Φ240	≥130	520	Φ250	CDM-120	CDP-120	
CPS15-24LB	24	370	80	Φ240	≥140	520	Φ250	CDM-120	CDP-120	
CPS15-25LB	25	375	82	Φ245	≥140	520	Φ255	CDM-120	CDP-120	YDC9000B
CPS15-26LB	26	385	82	Φ245	≥140	520	Φ255	CDM-120	CDP-120	
CPS15-27LB	27	390	82	Φ245	≥140	520	Φ255	CDM-120	CDP-120	
CPS15-31LB	31	410	88	Φ260	≥160	560	Φ270	CDM-130	CDP-130	YDC12000B
CPS15-37LB	37	455	95	Φ290	≥170	560	Φ300	CDM-140	CDP-140	
CPS15-43LB	43	480	100	Φ320	≥180	610	Φ335	CDM-160	CDP-160	
CPS15-55LB	55	560	120	Φ340	≥200	660	Φ335	CDM-160	CDP-160	

Unit:mm

* is the number of strand

CPS Periphery Coupler (L series)

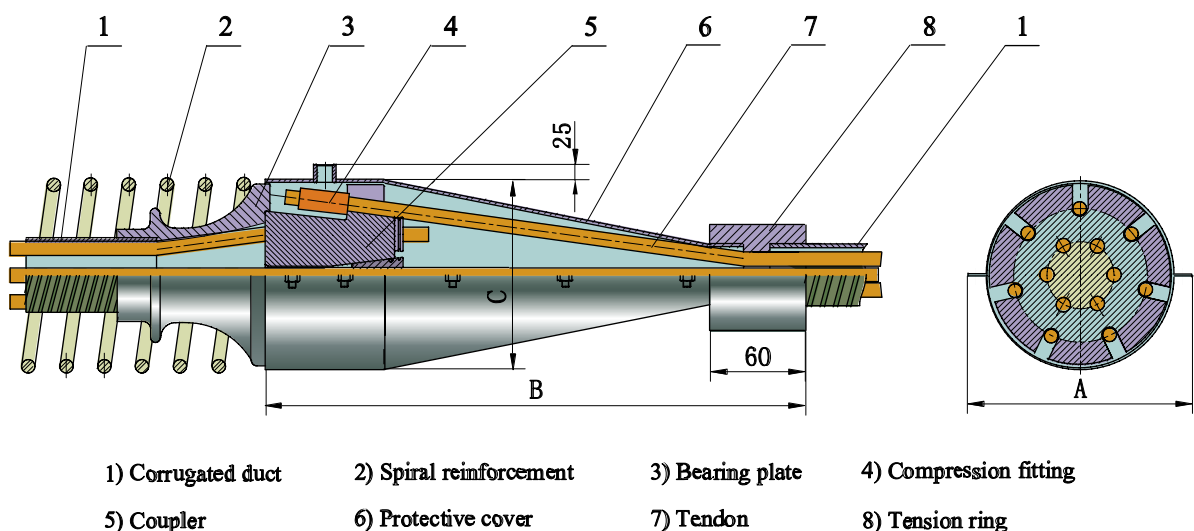
CPS L series Periphery Coupler is widely used for the connection of cable / tendon in continuous post-tensioning beam structure. Unlike LB series Integral Coupler which only uses wedges as anchorage, the L series Periphery Coupler uses compression fittings on the extension side of its anchorage.

This kind of coupler is suitable for both big and small tonnage pc strand tendon / cable.



CPS Periphery coupler

Technical drawing for CPS Periphery Coupler (L series)



CPS Periphery Coupler (L series) structural diagram

Technical data for CPS Periphery Coupler (L series)

Technical data for CPS Periphery Coupler (L series) with 0.5" strand

Part number	Number of strand	Protective cover		Tension ring	Corrugated duct (round)		Bearing plate	Spiral reinforcement	Matching stressing jack
		CPS13.BFZ-*L		CPS13-*LYS	Metal	Plastic	CPS13-*D	CPS13-*LX	
		A	C	B	Part number	Part number	Part number	Part number	
CPS13-3L	3	192	Φ152	428	CDM-50	CDP-50	CPS13-3D	CPS13-3LX	YDC1000B
CPS13-4L	4	192	Φ152	428	CDM-50	CDP-50	CPS13-4D	CPS13-4LX	
CPS13-5L	5	202	Φ162	450	CDM-55	CDP-55	CPS13-5D	CPS13-5LX	
CPS13-6,7L	6,7	212	Φ172	494	CDM-55	CDP-55	CPS13-6,7D	CPS13-6,7LX	
CPS13-8L	8	232	Φ192	516	CDM-70	CDP-70	CPS13-8D	CPS13-8LX	YDC1500B
CPS13-9L	9	242	Φ202	516	CDM-70	CDP-70	CPS13-9D	CPS13-9LX	
CPS13-10L	10	252	Φ212	560	CDM-80	CDP-80	CPS13-10D	CPS13-10LX	
CPS13-11~13L	11~13	262	Φ222	560	CDM-80	CDP-80	CPS13-11~13D	CPS13-11~13LX	YDC2000B
CPS13-14L	14	273	Φ233	604	CDM-90	CDP-90	CPS13-14D	CPS13-14LX	
CPS13-15L	15	283	Φ243	604	CDM-90	CDP-90	CPS13-15D	CPS13-15LX	
CPS13-16,17L	16,17	293	Φ253	648	CDM-90	CDP-90	CPS13-16,17D	CPS13-16,17LX	YDC4000B
CPS13-18,19L	18,19	293	Φ253	648	CDM-90	CDP-90	CPS13-18,19D	CPS13-18,19LX	
CPS13-20~22L	20~22	303	Φ263	692	CDM-100	CDP-100	CPS13-20~22D	CPS13-20~22LX	
CPS13-23,24L	23,24	333	Φ293	735	CDM-100	CDP-100	CPS13-23,24D	CPS13-23,24LX	
CPS13-25L	25	348	Φ308	801	CDM-100	CDP-100	CPS13-25D	CPS13-25LX	
CPS13-26,27L	26,27	353	Φ313	823	CDM-100	CDP-100	CPS13-26,27D	CPS13-26,27LX	
CPS13-31L	31	368	Φ328	889	CDM-120	CDP-120	CPS13-31D	CPS13-31LX	

Technical data for CPS Periphery Coupler (L series) with 0.6" strand

Part number	Number of strand	Protective cover		Tension ring	Corrugated duct (round)		Bearing plate	Spiral reinforcement	Matching stressing jack
		CPS15.BFZ-*L		CPS15-*LYS	Metal	Plastic	CPS15-*D	CPS15-*LX	
		A	C	B	Part number	Part number	Part number	Part number	
CPS13-3L	3	192	Φ152	428	CDM-50	CDP-50	CPS15-3D	CPS15-3LX	YDC1000B
CPS13-4L	4	202	Φ162	450	CDM-55	CDP-55	CPS15-4D	CPS15-4LX	
CPS13-5L	5	212	Φ172	494	CDM-55	CDP-55	CPS15-5D	CPS15-5LX	
CPS13-6,7L	6,7	232	Φ192	516	CDM-70	CDP-70	CPS15-6,7D	CPS15-6,7LX	YDC1500B
CPS13-8L	8	242	Φ202	516	CDM-80	CDP-80	CPS15-8D	CPS15-8LX	YDC2000B
CPS13-9L	9	252	Φ212	560	CDM-80	CDP-80	CPS15-9D	CPS15-9LX	
CPS13-10L	10	262	Φ222	560	CDM-90	CDP-90	CPS15-10D	CPS15-10LX	
CPS13-11~13L	11~13	273	Φ233	604	CDM-90	CDP-90	CPS15-11~13D	CPS15-11~13LX	YDC3000B
CPS13-14L	14	283	Φ243	604	CDM-100	CDP-100	CPS15-14D	CPS15-14LX	YDC4000B
CPS13-15L	15	293	Φ253	648	CDM-100	CDP-100	CPS15-15D	CPS15-15LX	
CPS13-16,17L	16,17	303	Φ263	692	CDM-110	CDP-110	CPS15-16,17D	CPS15-16,17LX	
CPS13-18,19L	18,19	313	Φ273	735	CDM-110	CDP-110	CPS15-18,19D	CPS15-18,19LX	YDC5000B
CPS13-20~22L	20~22	333	Φ293	735	CDM-120	CDP-120	CPS15-20~22D	CPS15-20~22LX	
CPS13-23,24L	23,24	348	Φ308	801	CDM-120	CDP-120	CPS15-23,24D	CPS15-23,24LX	
CPS13-25L	25	353	Φ313	823	CDM-120	CDP-120	CPS15-25D	CPS15-25LX	YDC6000B
CPS13-26,27L	26,27	368	Φ328	889	CDM-120	CDP-120	CPS15-26,27D	CPS15-26,27LX	
CPS13-31L	31	373	Φ373	1043	CDM-130	CDP-130	CPS15-31D	CPS15-31LX	

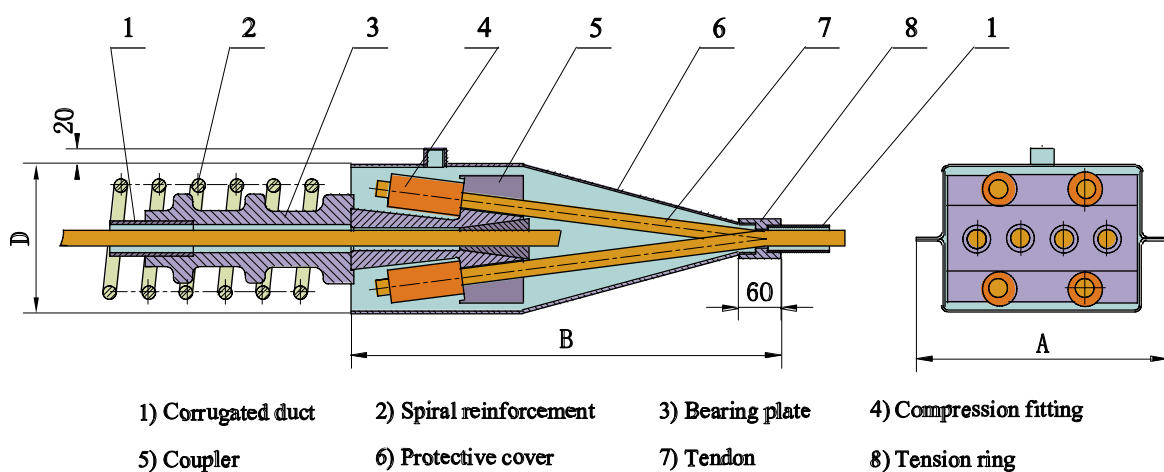
CPS Flat Coupler (BL series)

CPS BL series Flat Coupler is used for the extension of strand tendon / cable of flat anchorages.



CPS Flat coupler

Technical drawing for CPS Flat Coupler (BL series)



CPS Flat Coupler (BL series) structural diagram

Technical data for CPS Flat Coupler (BL series)

Technical data for CPS Flat Coupler (BL series) with 0.5" strand

Part number	Number of strand	Protective cover		Tension ring	Corrugated duct (round)		Bearing plate	Spiral reinforcement	Matching flat stressing jack
		CPS13.BFZ-*BL		CPS13B-*LYS	Metal	Plastic	CPS13B-*D	CPS13B-*LX	
		A	D	B	Part number	Part number	Part number	Part number	
CPS13B-2L	2	127	116	566	CDM-50	CDP-46	CPS13B-2D	CPS13B-2LX	YDB600B
CPS13B-3L	3	162	116	566	CDM-60	CDP-60	CPS13B-3D	CPS13B-3LX	YDB600B
CPS13B-4L	4	197	116	566	CDM-70	CDP-72	CPS13B-4D	CPS13B-4LX	YDB800B
CPS13B-5L	5	232	116	566	CDM-90	CDP-90	CPS13B-5D	CPS13B-5LX	YDB1000B

Technical data for CPS Flat Coupler (BL series) with 0.6" strand

Part number	Number of strand	Protective cover		Tension ring	Corrugated duct (round)		Bearing plate	Spiral reinforcement	Matching flat stressing jack
		CPS15.BFZ-*BL		CPS15B-*LYS	Metal	Plastic	CPS15B-*D	CPS15B-*LX	
		A	D	B	Part number	Part number	Part number	Part number	
CPS15B-2L	2	127	116	566	CDM-50	CDP-46	CPS15B-2D	CPS15B-2LX	YDB600B
CPS15B-3L	3	162	116	566	CDM-60	CDP-60	CPS15B-3D	CPS15B-3LX	YDB800B
CPS15B-4L	4	197	116	566	CDM-70	CDP-72	CPS15B-4D	CPS15B-4LX	YDB1000B
CPS15B-5L	5	232	116	566	CDM-90	CDP-90	CPS15B-5D	CPS15B-5LX	YDB1000B

CPS Metal Corrugated Duct



Technical data for CPS Metal Corrugated Duct (round shape)

Part Number	Inner diameter	Tolerance	Steel strip thickness	Reinforced steel strip thickness
CDM-40	Φ40	±0.5	0.25	0.4
CDM-45	Φ45			
CDM-50	Φ50			
CDM-55	Φ55			
CDM-60	Φ60			
CDM-65	Φ65			
CDM-70	Φ70			
CDM-75	Φ75			
CDM-80	Φ80			
CDM-85	Φ85			
CDM-90	Φ90			
CDM-95	Φ95			
CDM-100	Φ100	±1	0.3	0.4
CDM-105	Φ105			
CDM-110	Φ110			
CDM-120	Φ120			
CDM-130	Φ130			
CDM-135	Φ135			
CDM-140	Φ140			
CDM-150	Φ150			
CDM-155	Φ155			
CDM-160	Φ160			

CPS Metal Corrugated Duct

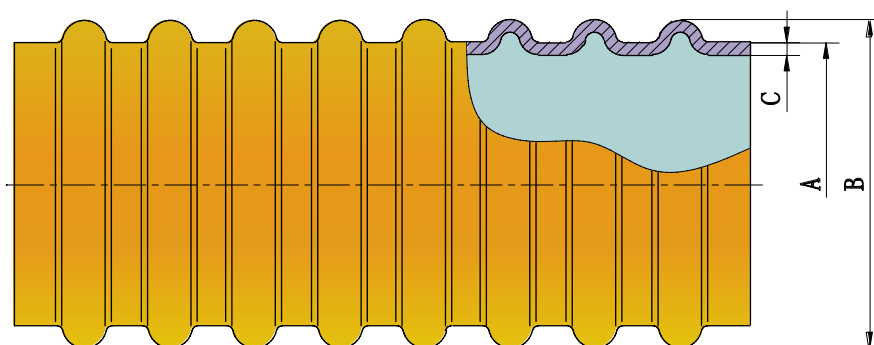
Technical data for CPS Metal Corrugated Duct (flat shape)

Part Number	Inner width	Tolerance	Inner height	Tolerance	Steel trip thickness
CDMF-50	50	± 1	19	0~+3	0.3
CDMF-56	56	± 2	25		
CDMF-60	60	± 1	19		
CDMF-66	66	± 2	25		
CDMF-70	70	± 1	19		
CDMF-76	76	± 2	25		
CDMF-90	90	± 1	19		
CDMF-96	96	± 2	25		

Plastic Corrugated Duct (HDPE)



Technical drawing for CPS Plastic Corrugated Duct (HDPE)

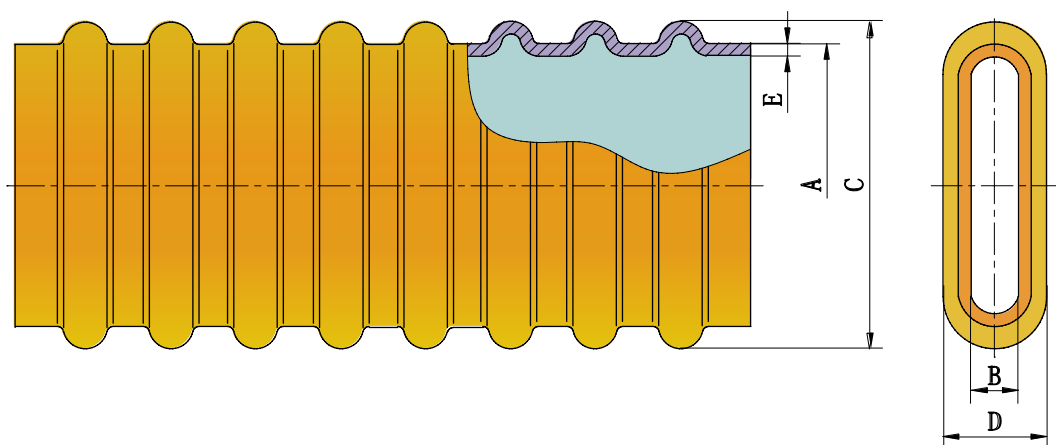


CPS Plastic Corrugated Duct (round)

Technical data for CPS Plastic Corrugated Duct (round)

Part Number	Inner diameter	Tolerance	Outer diameter	Wall thickness	Tolerance	Our of roundness
	A		B	C		
CDP-40	Φ40	±1	Φ50	2	+0.5	6%
CDP-45	Φ45		Φ55			
CDP-50	Φ50		Φ62			
CDP-55	Φ55		Φ67			
CDP-70	Φ70		Φ82			
CDP-80	Φ80		Φ94	2.2		
CDP-90	Φ90		Φ104			
CDP-100	Φ100		Φ114			
CDP-120	Φ120		Φ136	2.8		
CDP-130	Φ130		Φ146			
CDP-140	Φ140		Φ156	3		
CDP-160	Φ160		Φ176			

Technical drawing for CPS Plastic Corrugated Duct (HDPE)



CPS Plastic Corrugated Duct (flat)

Technical data for CPS Plastic Corrugated Duct (flat)

Part Number	Inner width	Inner height	Outer width	Outer Height	Wall thickness
	A	B	C	D	E
CDPF-46	46	20	58	32	2
CDPF-60	60	20	72	32	2
CDPF-72	72	22	84	34	2.2
CDPF-90	90	22	102	34	2.2



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