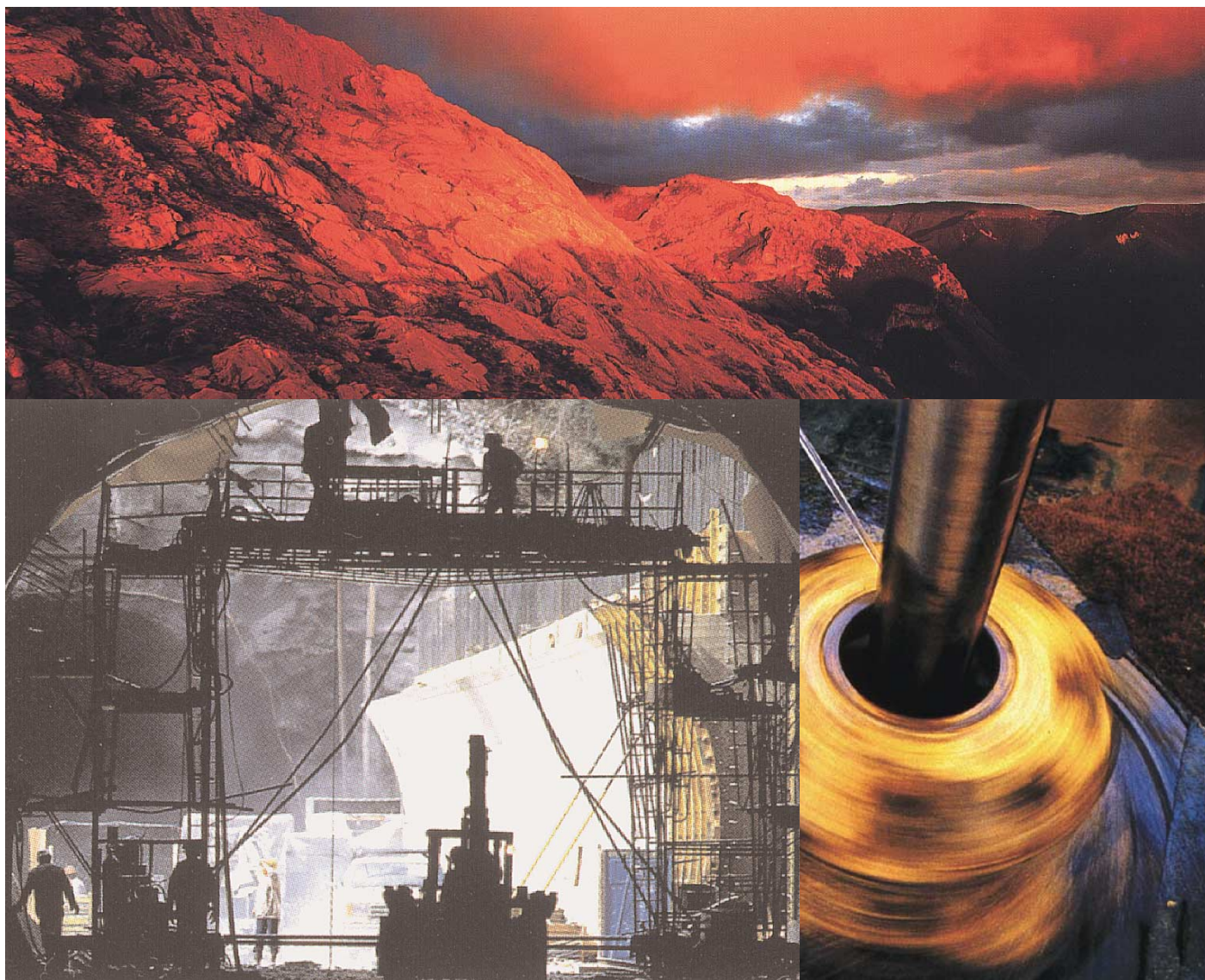
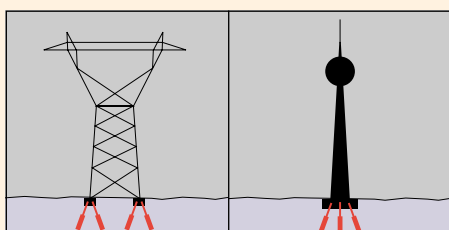
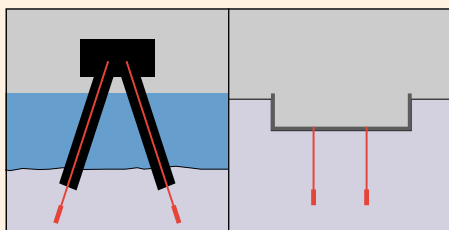
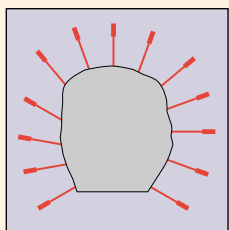
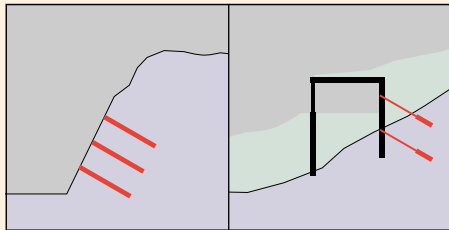
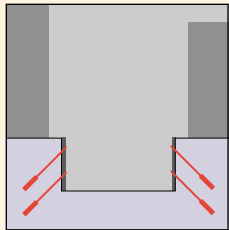
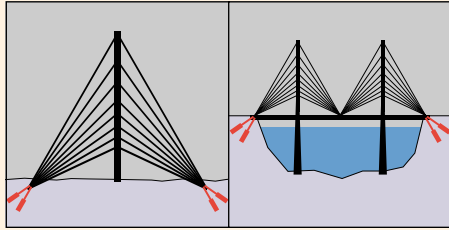
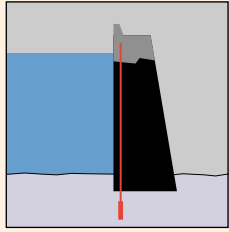


## Gamme de produits géotechniques DYWIDAG



# Applications

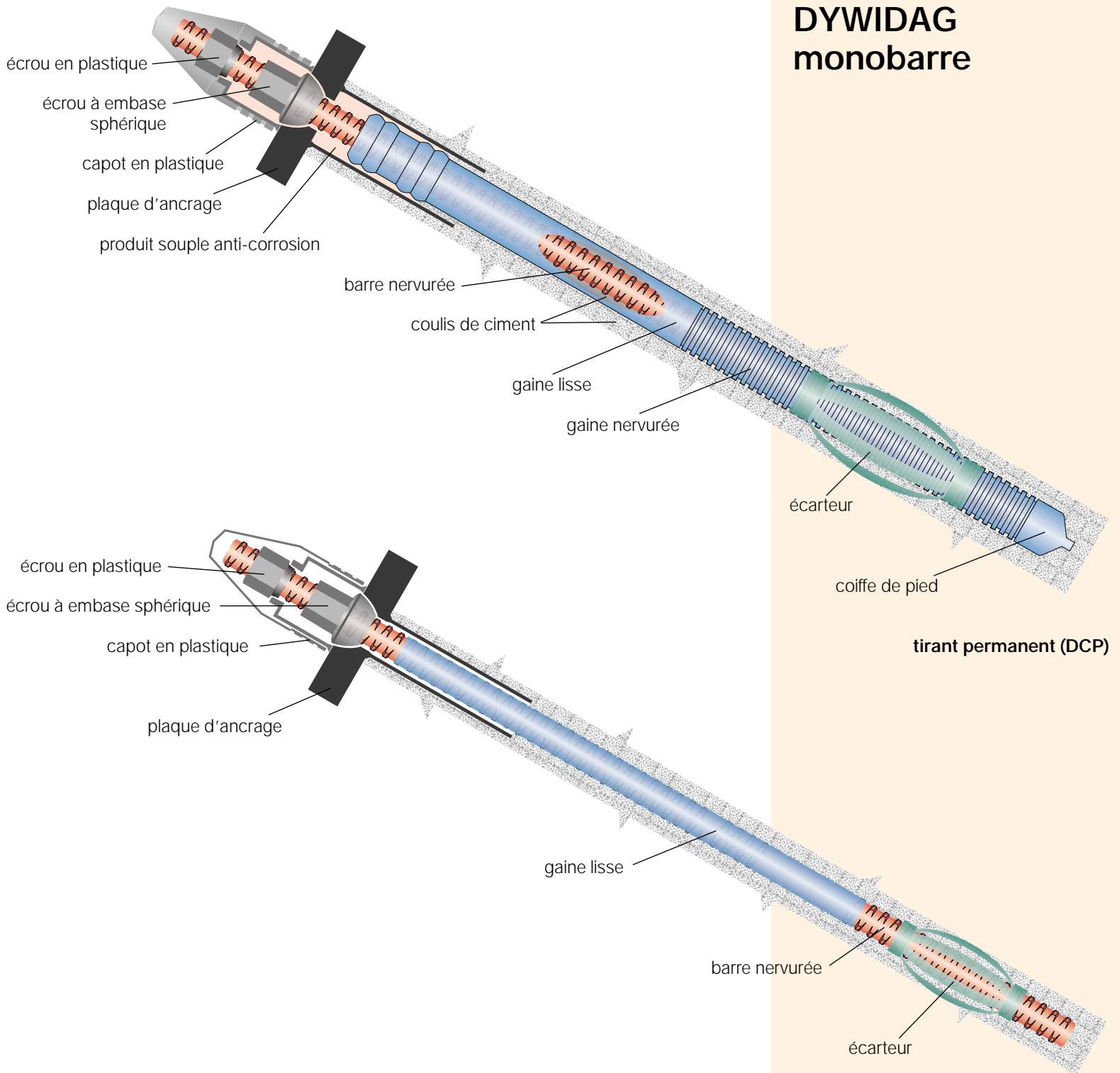


# Produits géotechniques

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# Tirants d'ancrage DYWIDAG monobarre

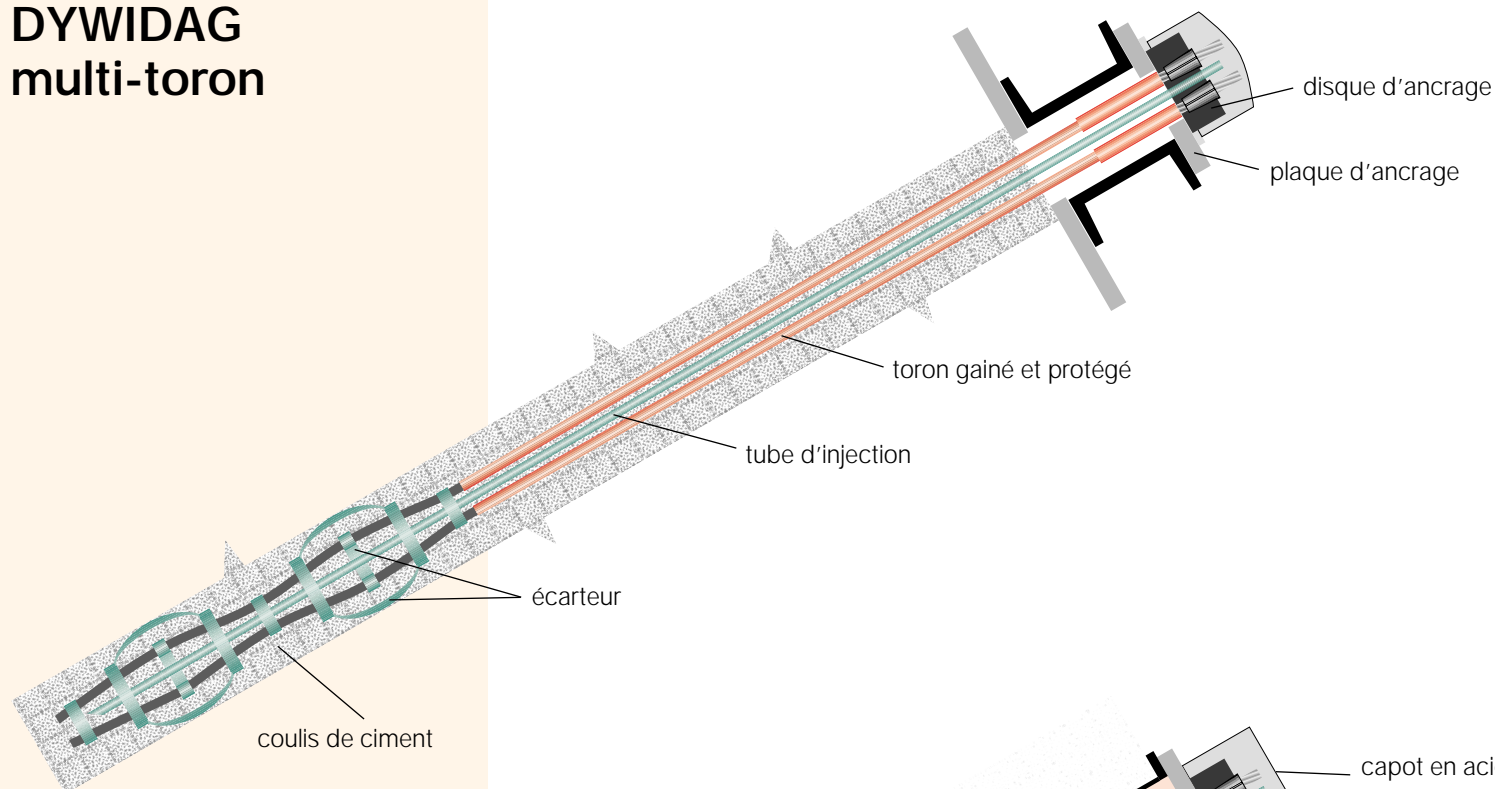


**tirant permanent (DCP)**

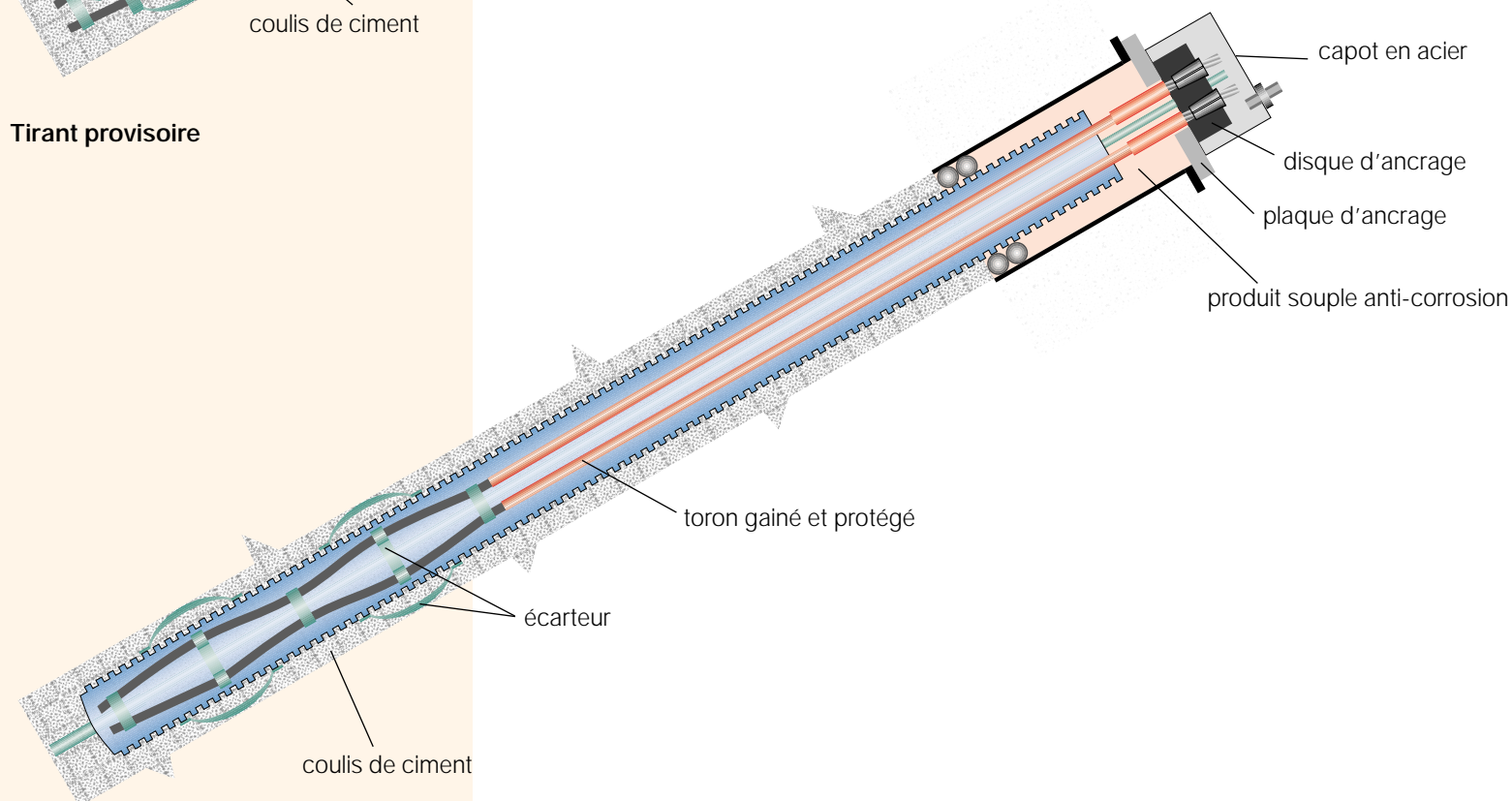
**Tirant provisoire**

qualité d'acier [N/mm <sup>2</sup> ]	diamètre [mm]	limite élastique [kN]	rupture [kN]
835/1030	26,5	460	568
835/1030	32	671	828
835/1030	36	850	1.048
900/1030 WR	26,5	496	568
900/1030 WR	32	724	828
900/1030 WR	36	916	1.048
1080/1230	26,5	595	678
1080/1230	32	868	989
1080/1230	36	1.099	1.252
500/550	40	628	691
500/550	50	982	1080
555/700	63,5	1.758	2.217

# Tirants d'ancrage DYWIDAG multi-toron



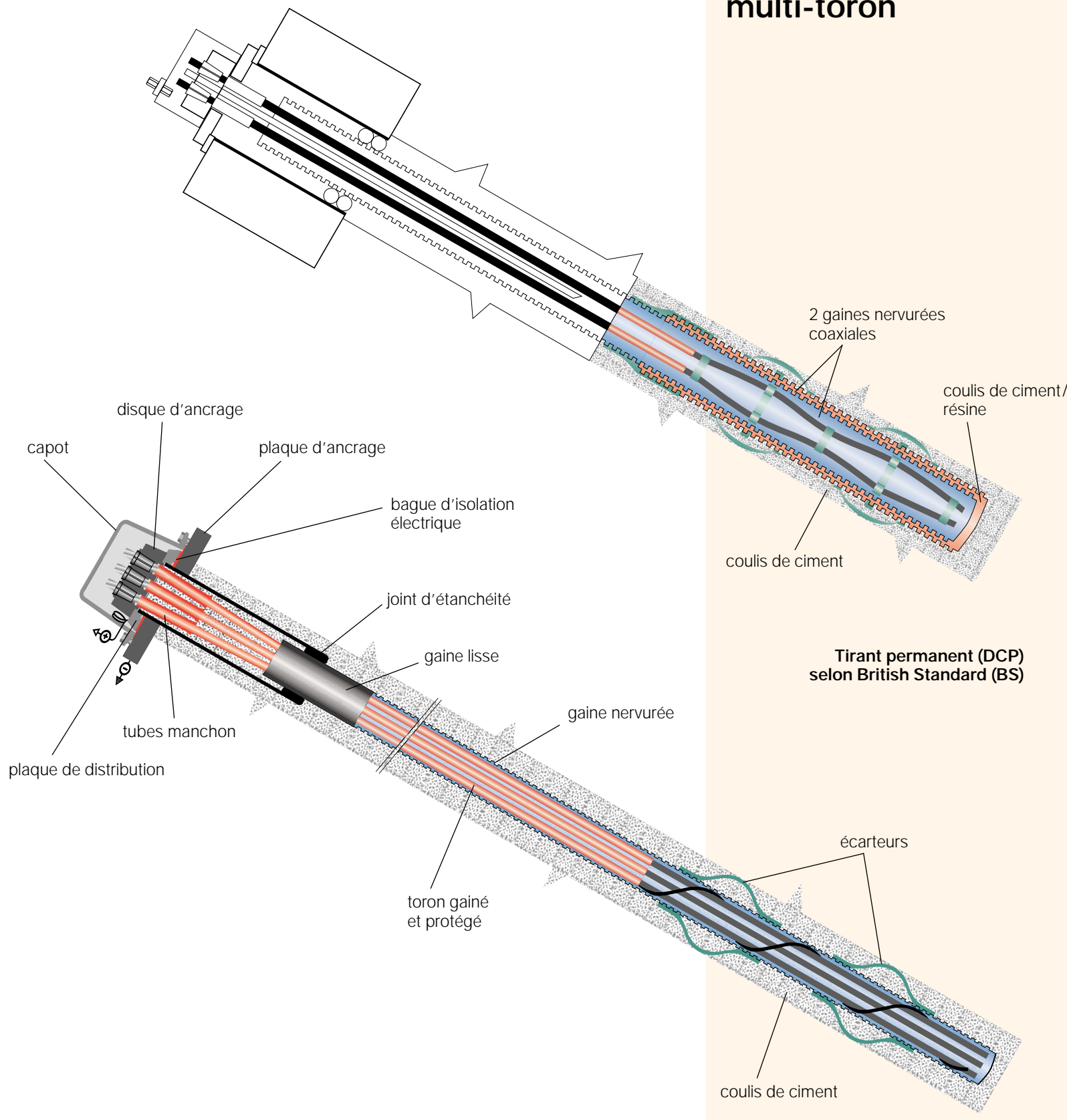
Tirant provisoire



Tirant permanent (DCP)

qualité d'acier [N/mm <sup>2</sup> ]	diamètre (mm/pouce)	section nomi- nale par toron [mm <sup>2</sup> ]	limite élastique par toron [kN]	ch. de rupture par toron [kN]
1570/1770	12,3/0,5"	100	157	177
1570/1770	15,2/0,6"	140	220	248
1570/1770	15,7/0,62"	150	236	266
1670/1860	12,3/0,5"	100	176	186
1670/1860	15,2/0,6"	140	246	260
1670/1860	15,7/0,62"	150	264	279
1550/1820	15,2/0,6"	165	255	300

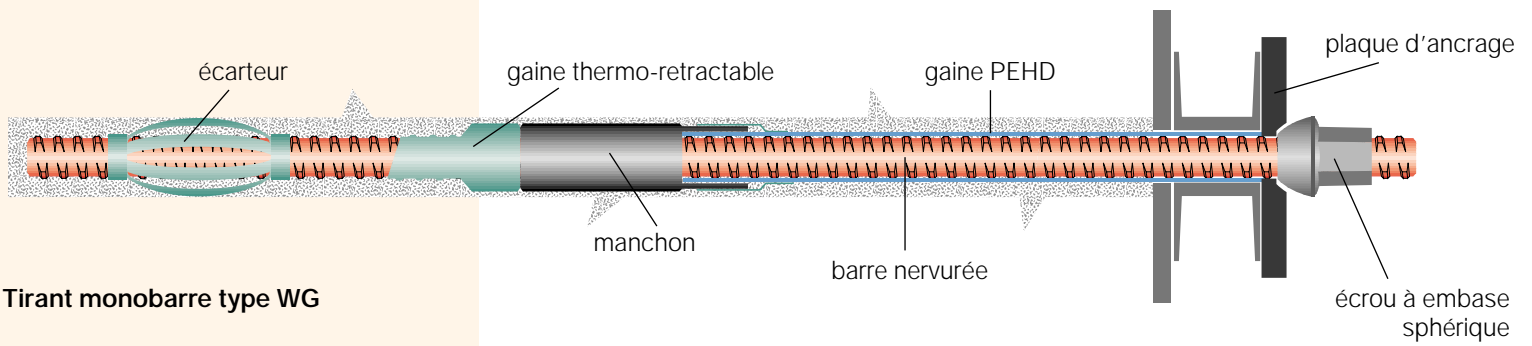
# Tirants d'ancrage DYWIDAG multi-toron



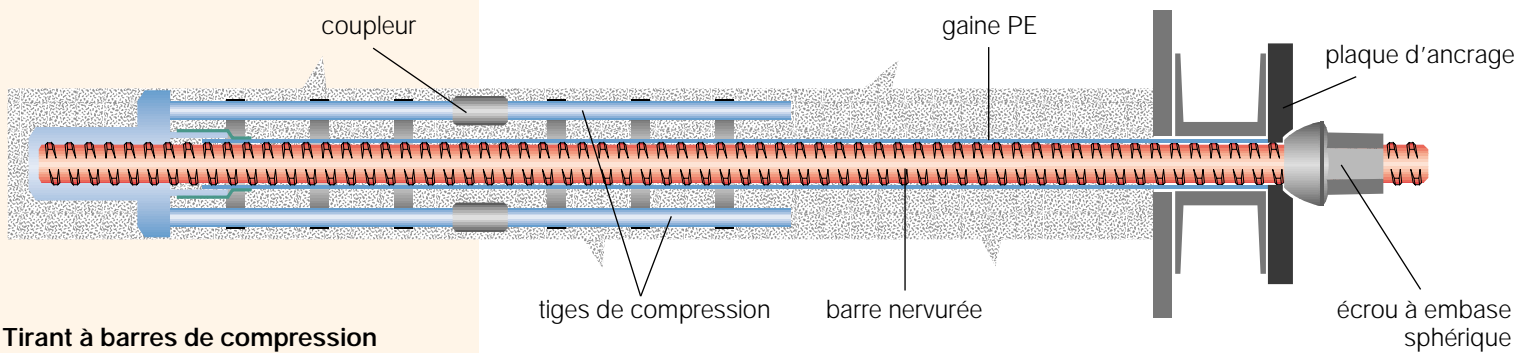
**Tirant permanent (DCP)  
selon British Standard (BS)**

**Tirant permanent (DCP)  
isolé électriquement**

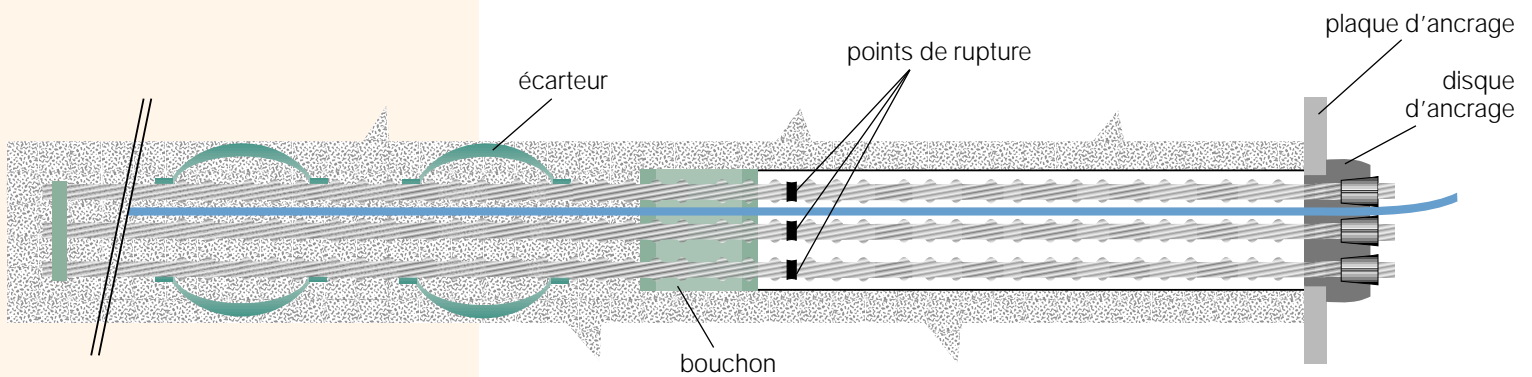
# Tirants d'ancrage DYWIDAG démontables



Tirant monobarre type WG



Tirant à barres de compression  
type ASD



Tirant câble démontable

qualité d'acier [N/mm <sup>2</sup> ]	nombre de torons	diamètre	limite élastique [kN]	ch. de rupture [kN]
barre nervurée				
835/1030	X	26,5 mm	460	568
835/1030		32 mm	671	828
835/1030		36 mm	850	1.048
1080/1230		26,5 mm	595	678
1080/1230		32 mm	868	989
1080/1230		36 mm	1.099	1.252
torons				
1570/1770	3	15,7mm/0,62"	708	660*
1570/1770	4	15,7mm/0,62"	944	880*
1570/1770	5	15,7mm/0,62"	1.180	1.100*
1570/1770	7	15,7mm/0,62"	1.652	1.540*

\* charge de rupture aux points de rupture

## Accessoires

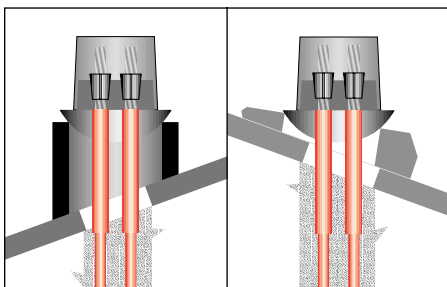
En complément des systèmes standard, DYWIDAG SYSTEMS INTERNATIONAL offre aux clients, pour s'adapter à leurs exigences particulières, des solutions individuellement conçues et préparées. De même, il existe un vaste choix d'accessoires spéciaux, pour améliorer la gamme de produits, comme Tirants permanents isolés électriquement, Tirants SN enduits à l'époxy, ou gros tirants pour constructions de port. Le matériel requis peut être livré sur la base d'achat ou de location, par exemple:

- vérins de précontrainte,
- pompes hydrauliques,
- matériel d'injection.

tube de rinçage pour tirants en terrain meuble

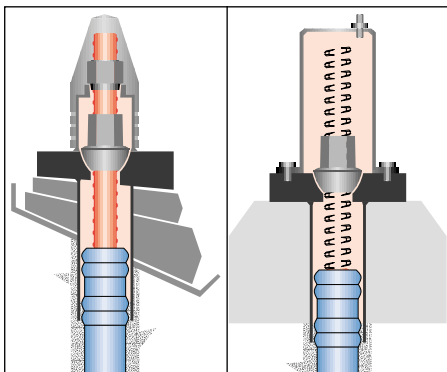
système de ré-injection pour terrain à cohésion prédominante

tuyau d'injection pour tirants en roche



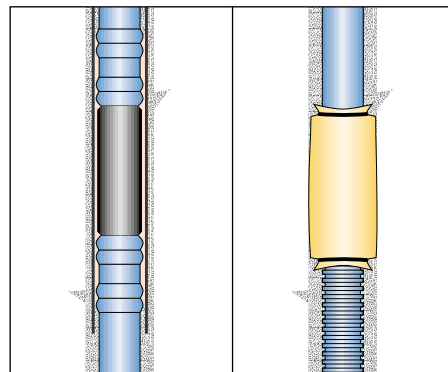
compensation d'angles par calotte sphérique et tube d'acier

compensation d'angles par calotte sphérique et cale biseau



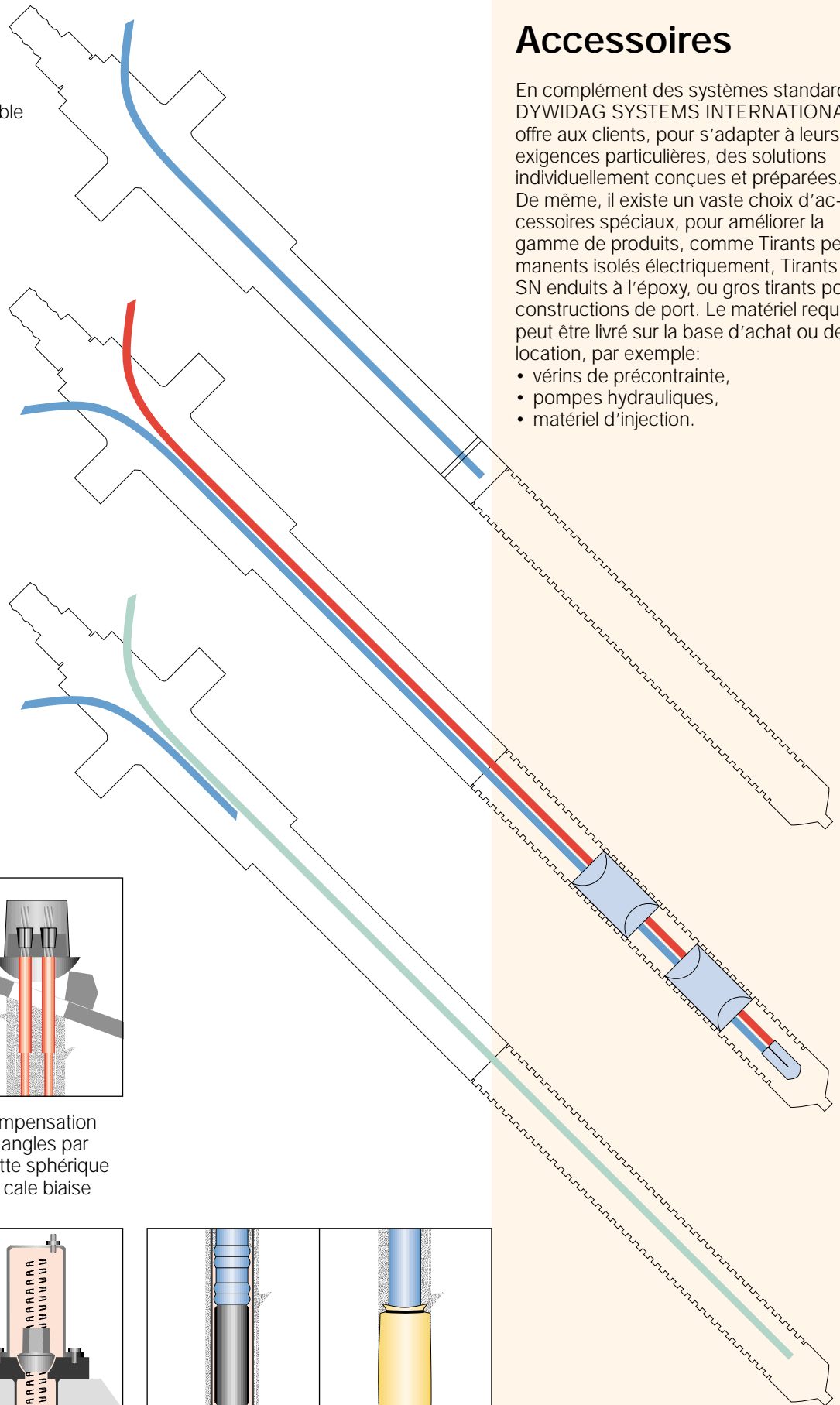
compensation d'angles par plaque biseau et cales baises

tête d'ancrage tirant monobarre

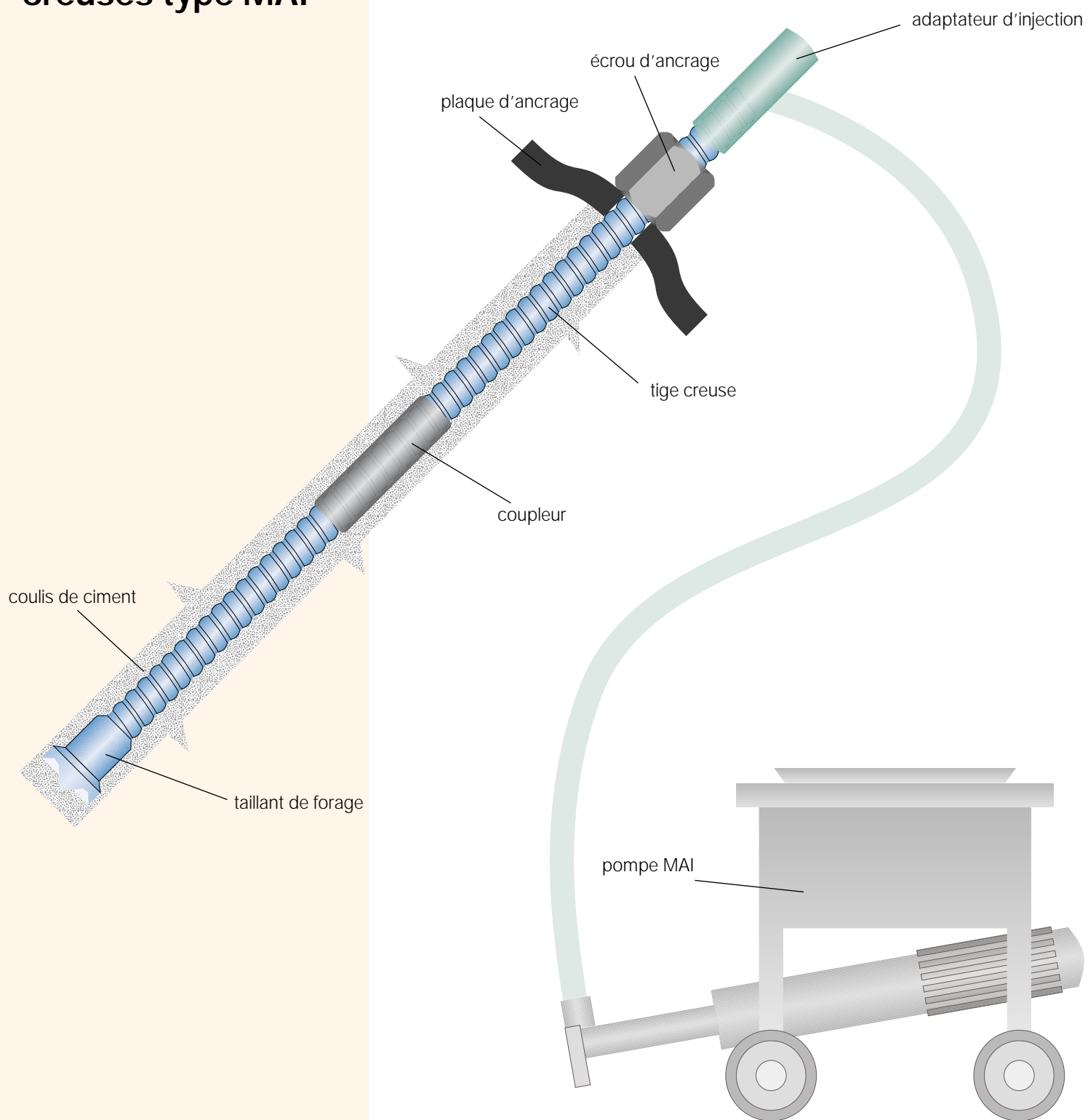


coupleur dans la longueur libre

packer injecté au coulis de ciment

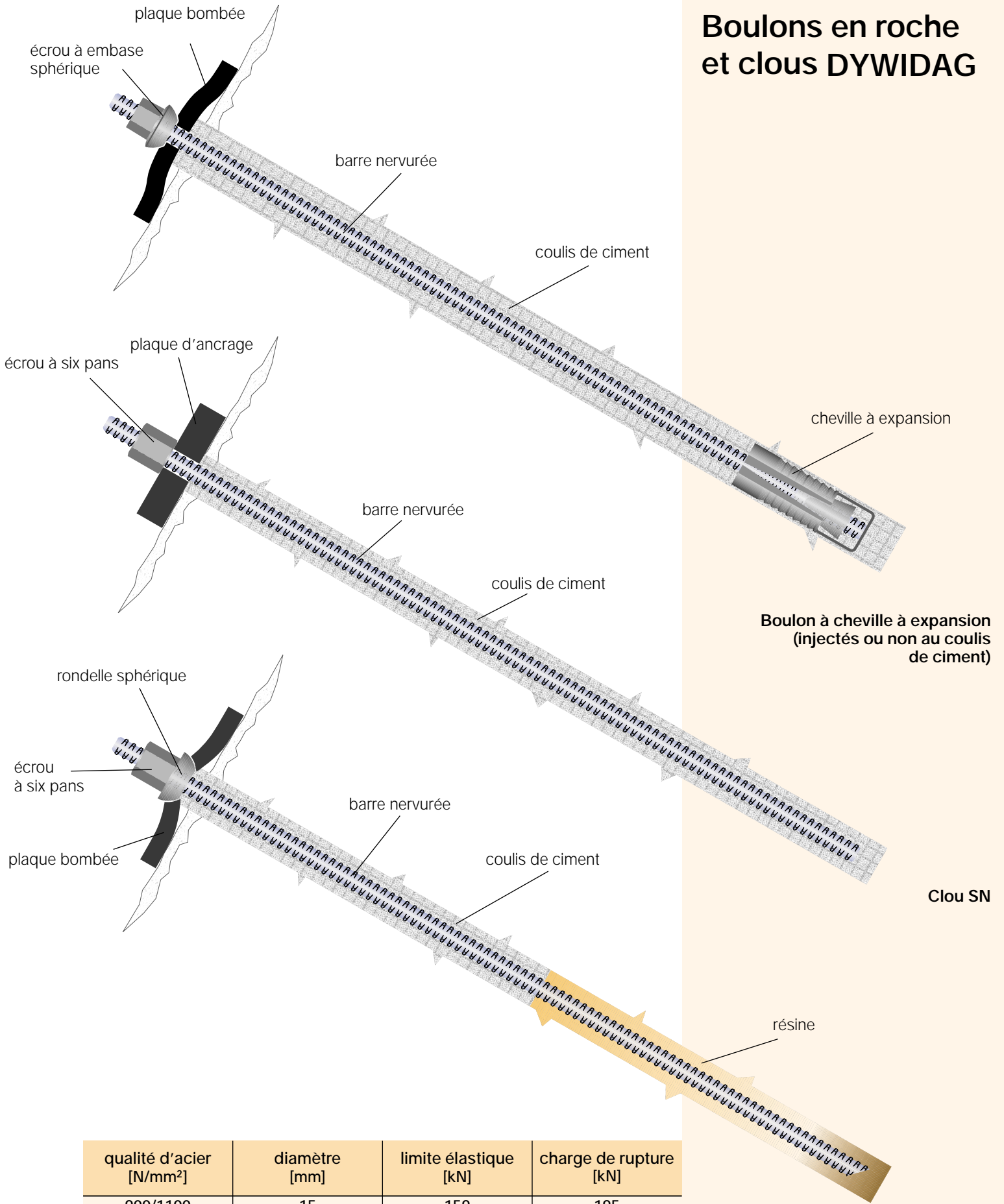


# Ancrage autoforant à barres creuses type MAI



diamètre [mm]	type	limite élastique [kN]	charge de rupture [kN]
25	N	150	200
32	N	230	280
32	S	280	360
38	N	400	500
51	L	450	500
51	N	630	800
76	N	1.200	1.600
76	S	1.500	1.900

# Boulons en roche et clous DYWIDAG



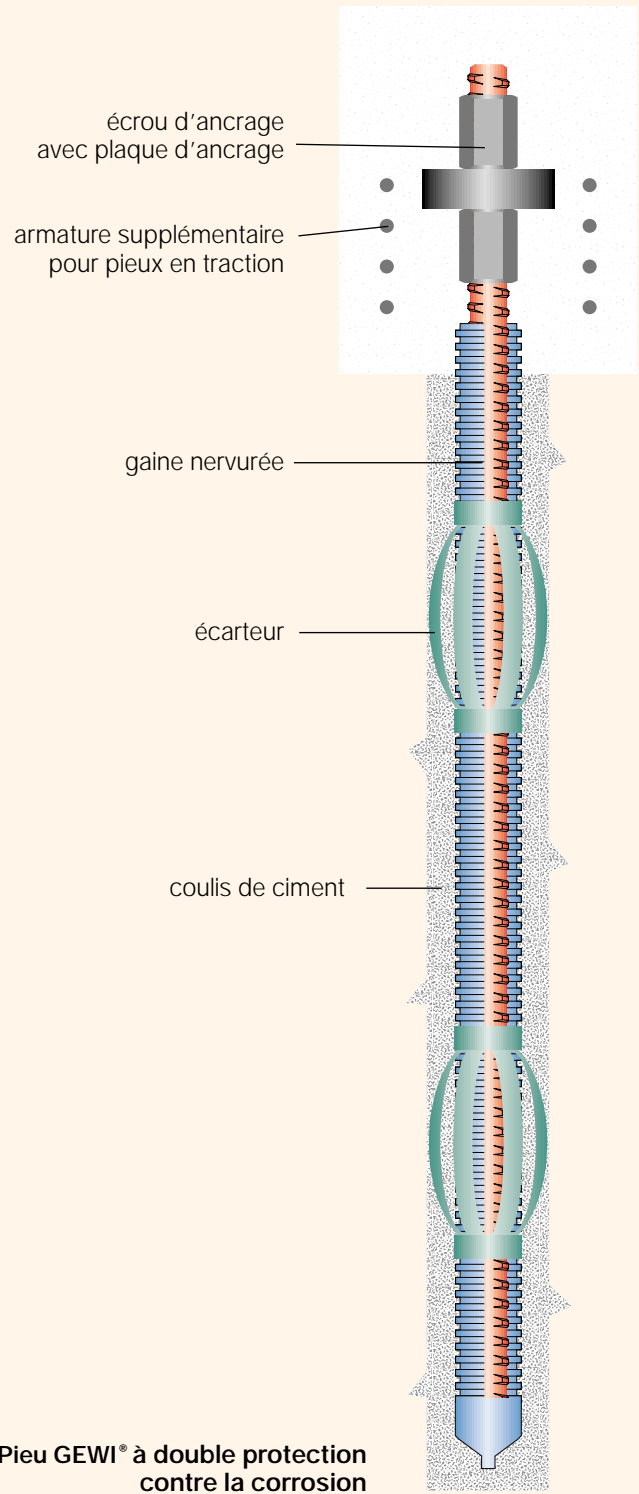
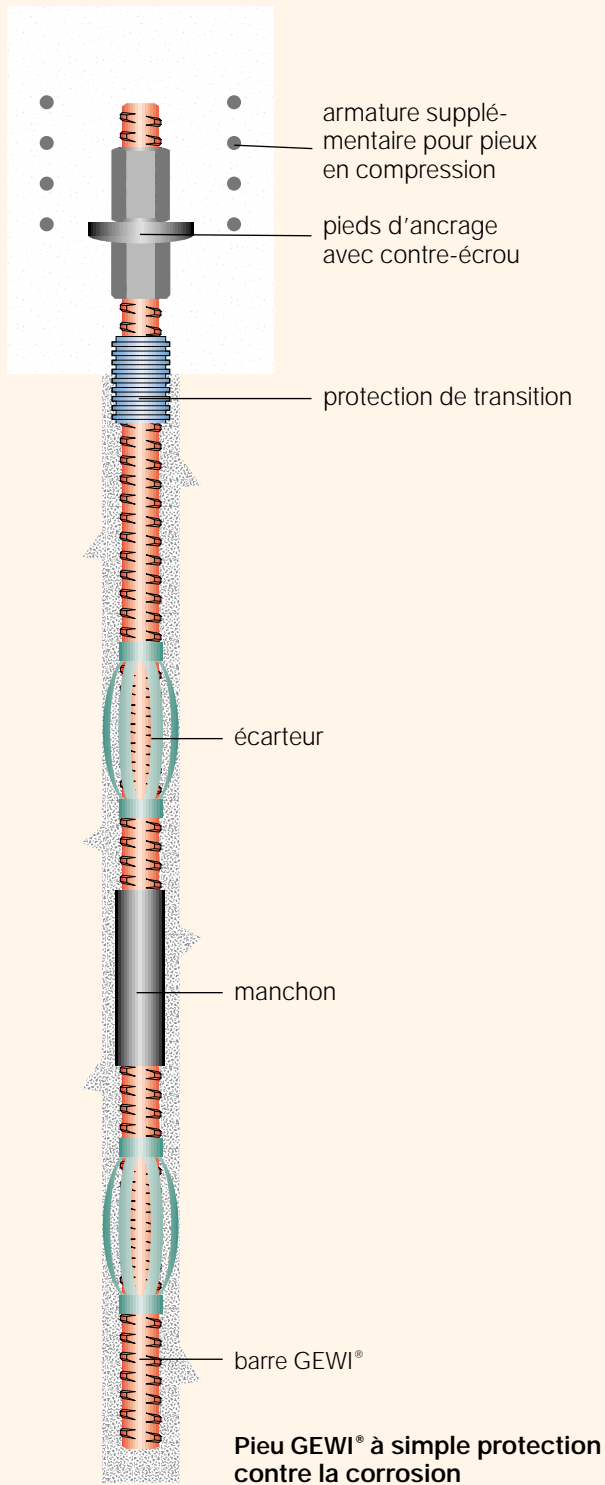
**Boulon à cheville à expansion**  
(injectés ou non au coulis de ciment)

**Clou SN**

**Boulon à la résine**

qualité d'acier [N/mm <sup>2</sup> ]	diamètre [mm]	limite élastique [kN]	charge de rupture [kN]
900/1100	15	159	195
835/1030	26,5	460	568
835/1030	32	671	828
500/550	16	101	111
500/550	20	157	173
500/550	25	245	270
500/550	28	308	339
500/550	32	402	442

# Pieux GEWI®



Pieu GEWI® mono-barre			
diamètre [mm]	section [mm <sup>2</sup> ]	limite élastique [kN]	charge de rupture [kN]
32	804	402	442
40	1.257	628	691
50	1.963	982	1.080
63,5	3.167	1.758	2.217

Pieu GEWI® multi-barre			
diamètre [mm]	section [mm <sup>2</sup> ]	limite élastique [kN]	charge de rupture [kN]
3 x 32	2.412	1.206	1327
1 x 40, 1 x 50	3.220	1.610	1771
3 x 40	3.770	1.885	2074
2 x 50	3.927	1.963	2160
2 x 40, 1 x 50	4.477	2.238	2462
1 x 40, 2 x 50	5.184	2.592	2851
3 x 50	5.890	2.945	3240

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