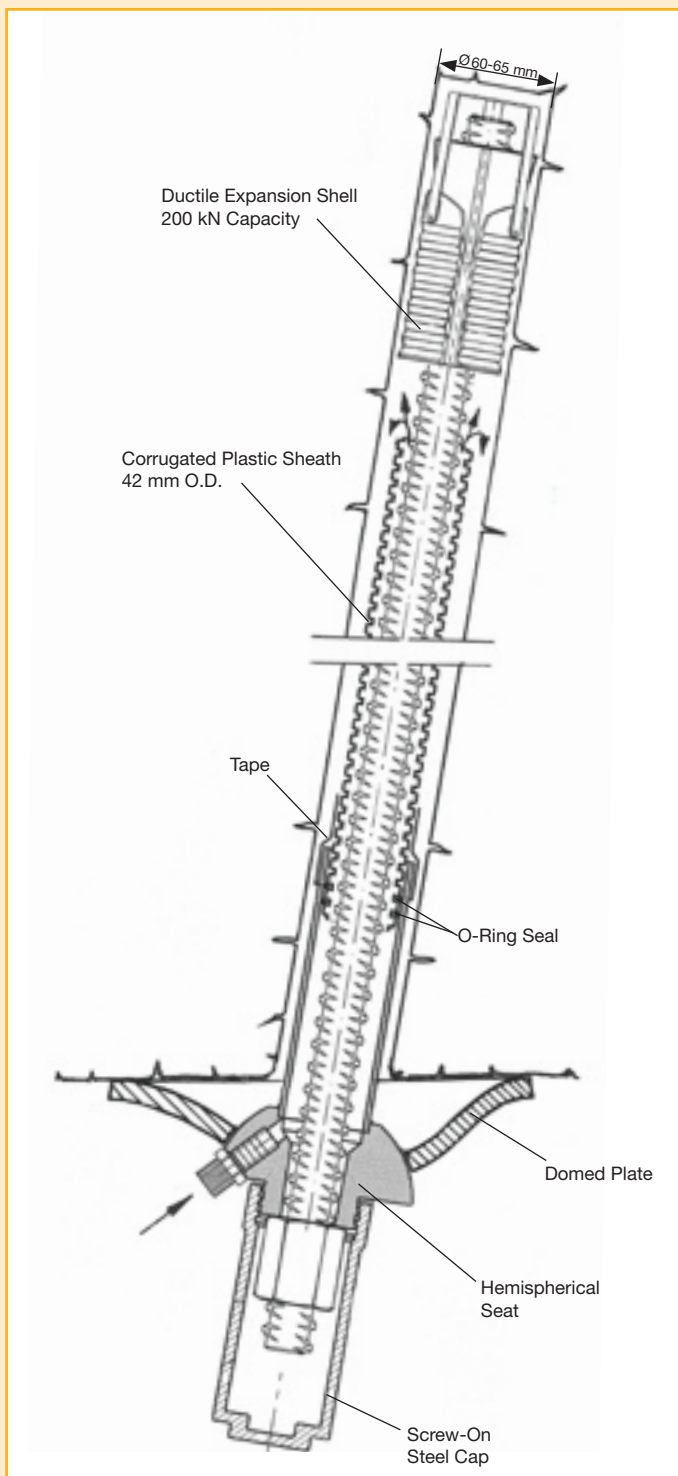


DCP-Rock Bolt

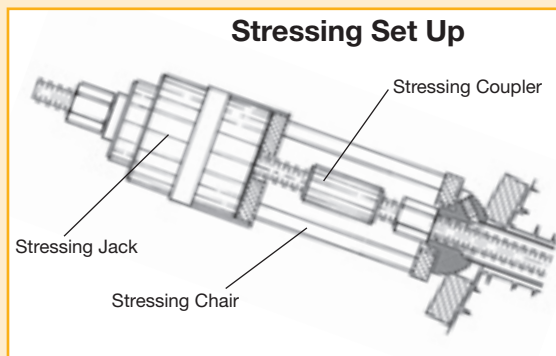
The Rock Bolt for permanent Slope Stabilizations, Tunnels and Caverns
(with angle compensation)

High tensile and mild steel – DYWIDAG THREADBAR®



DCP – Rock Bolt Features

- Superior performance – On-site assembly to any length
- Double Corrosion Protection (DCP) consisting of corrugated plastic sheathing and cement grout.
- Stressable with hydraulic jack immediately after installation. Hydraulic jack sitting on shoulder of hemispherical seat.
- Direct load transfer from anchor head to expansion shell. Compressed rock mass between expansion shell and anchor head.
- Up to 30° angle compensation at anchor head.



- One stage field grouting: Grout flows between tensioned bolt and sheathing and then between sheathing and bore hole wall. Anchors can be inclined upwards or downwards.
- Use of thixotropic grouts recommended.
- After grouting, full bolt length will bond to the rock.
- Protection of hex nut by screw-on steel cap.
- All exposed parts are galvanized.
- Recommended injection rate of cement grout: 10 litre/minute.
- Dry pack and vent tube may be required.



THREADBAR®	Steel Area [mm ²]	Yield Load		Ultimate Load		Grade f _y / f _u [MPa]	Anchor Plates			
		[kN]	[kips]	[kN]	[kips]		Flat Plate [mm]	Domed Plate [mm]	Wedge Plate [mm]	
25M #8	510	263	59.3	351	79	517 / 690	200x200x20	200x200x12.5	185x185x15° Hole 80 Ø	
20 Ø	314	282	63.4	345	77.5	900 / 1,100	200x200x20	200x200x12.5	same	
26.5 1"	551	456	102	570	127.5	830 / 1,035	200x200x25	200x200x12.5	same	
Possible angle compensation							20°	30°	27°	
Expansion Shell	max. load 200 kN / 45 kips subject to rock conditions and borehole diameter						for bore holes Ø 60-65 mm length over all: 150 mm max. Ø before expansion: 58 mm			



Anchor head with solid wedge plate and hemispherical seat (15°+12° angle compensation)



Anchor head with domed plate and hemispherical seat (10°+20° angle compensation)

Please note:

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**DYWIDAG-Systems
International Canada Ltd.**

Eastern Division
37 Cardico Drive
Gormley, ON L0H 1G0
Phone (905) 888-8988
Fax (905) 888-8987
E-Mail: ecd@dsiamerica.com

Quebec Office
C.P. 412
St. Bruno, Quebec
J3V 5G8
Phone (450) 653-0935
Fax (450) 653-0977
E-Mail: ecd@dsiamerica.com

Western Division
19433 96th Avenue, Suite 103
Surrey, BC V4N 4C4
Phone (604) 888-8818
Fax (604) 888-5008
E-Mail: wcd@dsiamerica.com

Calgary Office
2816-21 Street N.E., Suite 204
Calgary, Alberta T2E 6Z2
Phone (403) 291-4414
Fax (403) 250-5221
E-Mail: wcd@dsiamerica.com

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