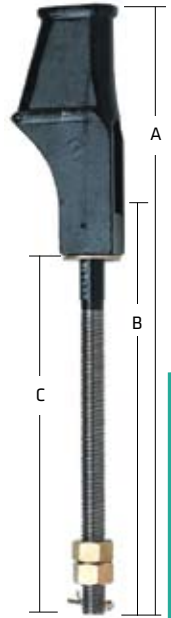


Wire Rope Wedge Sockets

TO MEET ASME A17.1 / CSA B44 • NEW YORK MEA APPROVAL #410-03-M

Wire rope wedge sockets

Part Number	Rope size inches • mm	Dim (A) nom inches • mm (+/- 3/16 • 5)	Dim (B) nom inches • mm (+/- 3/16 • 5)	Thread and Diameter	Usable Thread min inches • mm	Dim (C) nom inches • mm (+/- 3/8 • 10)
WSY-516-12	5/16 • 8	17-1/2 • 445	12-19/32 • 320	M12	7-7/8 • 200	8-27/32 • 225
WSY-516-18	5/16 • 8	23-3/4 • 605	18-7/8 • 480	M12	9-13/16 • 250	10-13/16 • 275
WSY-516-24	5/16 • 8	30-1/8 • 765	24-3/16 • 640	M12	15-3/4 • 400	16-23/32 • 425
WSY-38-12	3/8 • 9 to 10	17-1/2 • 445	12-19/32 • 320	M12	7-7/8 • 200	8-27/32 • 225
WSY-38-18	3/8 • 9 to 10	23-3/4 • 605	18-7/8 • 480	M12	9-13/16 • 250	10-13/16 • 275
WSY-38-24	3/8 • 9 to 10	30-1/8 • 765	24-3/16 • 640	M12	15-3/4 • 400	16-23/32 • 425
WSY-12-12-A	7/16 to 1/2 • 11 to 13	18 • 457	12-19/32 • 320	M20	7-7/8 • 200	8-27/32 • 225
WSY-12-18-A	7/16 to 1/2 • 11 to 13	24-3/8 • 619	18-7/8 • 480	M20	9-13/16 • 250	10-13/16 • 275
WSY-12-24-A	7/16 to 1/2 • 11 to 13	30-5/8 • 778	24-3/16 • 640	M20	15-3/4 • 400	16-23/32 • 425
WSY-12-30-A	7/16 to 1/2 • 11 to 13	36-7/8 • 937	30-1/2 • 800	M20	15-3/4 • 400	16-23/32 • 425
WSY-12-36-A	7/16 to 1/2 • 11 to 13	43-1/4 • 1099	36-13/16 • 960	M20	15-3/4 • 400	16-23/32 • 425
WSY-58-12	9/16 to 5/8 • 14 to 16	19-3/4 • 502	12-19/32 • 320	M20	7-7/8 • 200	8-27/32 • 225
WSY-58-18	9/16 to 5/8 • 14 to 16	26-1/8 • 664	18-7/8 • 480	M20	9-13/16 • 250	10-13/16 • 275
WSY-58-24	9/16 to 5/8 • 14 to 16	32-3/8 • 822	24-3/16 • 640	M20	15-3/4 • 400	16-23/32 • 425
WSY-58-30	9/16 to 5/8 • 14 to 16	38-3/4 • 984	30-1/2 • 800	M20	15-3/4 • 400	16-23/32 • 425
WSY-58-36	9/16 to 5/8 • 14 to 16	45 • 1143	36-13/16 • 960	M20	15-3/4 • 400	16-23/32 • 425
WSY-34-12	11/16 to 3/4 • 17.5 to 19	21-1/4 • 540	12-19/32 • 320	M24	7-7/8 • 200	8-27/32 • 225
WSY-34-18	11/16 to 3/4 • 17.5 to 19	27-1/2 • 699	18-7/8 • 480	M24	9-13/16 • 250	10-13/16 • 275
WSY-34-24	11/16 to 3/4 • 17.5 to 19	33-3/4 • 857	24-3/16 • 640	M24	15-3/4 • 400	16-23/32 • 425
WSY-34-30	11/16 to 3/4 • 17.5 to 19	39-3/4 • 1010	30-1/2 • 800	M24	15-3/4 • 400	16-23/32 • 425
WSY-34-36	11/16 to 3/4 • 17.5 to 19	46-1/4 • 1175	36-13/16 • 960	M24	15-3/4 • 400	16-23/32 • 425



Wire Rope, Compensation and Accessories

Each wedge socket consists of the socket, rod, wedge, 2 nuts, 1 washer, 1 cotter pin and 2 retaining clips.

Draka wedge sockets are tested with steel core (IWRC) wire rope and exceed ASME A17.1 Rule 2.20.9 and all other applicable safety codes.

Component Specifications:

- Socket: Cast steel ASTM-A27, Grade 60-30 stress relieved
- Rod: Rolled or forged steel ASTM 668
- Wedge: Cast steel ASTM-A27, Grade 60-30

Governor rope wedge sockets

Part Number	Description
WSY-38-GOV	3/8 • 10 mm governor rope wedge socket, includes socket, wedge & 2 retaining clips, 14 mm mounting hole
WSY-12-GOV	1/2 • 13 mm governor rope wedge socket, includes socket, wedge & 2 retaining clips, 17.5 mm mounting hole



Use these items to maintain wire rope. See item for location in this catalog.

Rope Tensioning System - page 61



Load weighing devices - pages 62 - 66



DrakaLube rope treatment - page 60



Automatic rope oiler - page 60



Wire Rope Wedge Sockets

ISOLATION BUSHINGS AND BABBITT SOCKETS

Rope isolation bushing springs - assemblies and components

Part Number	Size and Description inches • mm	Spring length inches • mm	Spring O.D. inches • mm	Spring I.D. inches • mm
WS-SA-38	5/16 to 3/8 • 8 to 10 complete assembly	n/a	n/a	n/a
WS-SA-12-A	7/16 to 1/2 • 11 to 13 complete assembly	n/a	n/a	n/a
WS-SA-58	9/16 to 5/8 • 14 to 16 complete assembly	n/a	n/a	n/a
WS-SA-34	11/16 to 3/4 • 17.5 to 19 complete assembly	n/a	n/a	n/a
WS-IBUSH-38	5/16 to 3/8 • 8 to 10 bushing	n/a	n/a	n/a
WS-IBUSH-12-A	7/16 to 1/2 • 11 to 13 bushing	n/a	n/a	n/a
WS-IBUSH-58	9/16 to 5/8 • 14 to 16 bushing	n/a	n/a	n/a
WS-IBUSH-34	11/16 to 3/4 • 17.5 to 19 bushing	n/a	n/a	n/a
WS-SPR-38	5/16 to 3/8 • 8 to 10 bushing spring	4-13/16 • 122 (+/- 1/8 • 3)	1-5/16 • 33 (+/- 1/32 • 0.6)	11/16 • 17 (+/- 1/32 • 0.6)
WS-SPR-12	7/16 to 1/2 • 11 to 13 bushing spring	6-1/8 • 156 (+/- 9/64 • 3.5)	1-15/16 • 49.2 (+/- 1/32 • 0.7)	1 • 25.5 (+/- 1/32 • 0.7)
WS-SPR-58	9/16 to 5/8 • 14 to 16 bushing spring	6-7/8 • 176 (+/- 1/8 • 3)	2-1/2 • 64 (+/- 1/16 • 1.5)	1-1/4 • 32 (+/- 1/16 • 1.5)
WS-SPR-34	11/16 to 3/4 • 17.5 to 19 bushing spring	7-1/16 • 178 (+/- 5/32 • 4)	3-11/32 • 85 (+/- 3/32 • 2.5)	2-9/16 • 65 (+/- 3/32 • 2.5)
WS-BUSH-38	5/16 to 3/8 • 8 to 10 bushing washer	n/a	n/a	n/a
WS-BUSH-12-A	7/16 to 1/2 • 11 to 13 bushing washer	n/a	n/a	n/a
WS-BUSH-58	9/16 to 5/8 • 14 to 16 bushing washer	n/a	n/a	n/a
WS-BUSH-34	11/16 to 3/4 • 17.5 to 19 bushing washer	n/a	n/a	n/a

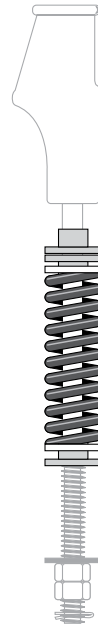
Isolation bushing spring assemblies include 1 spring, 3 bushings and 2 washers. They DO NOT include the wedge socket.

Springs measured when relaxed.

Socket: Cast steel ASTM-A27, Grade 60-30 stress relieved

Rod: Rolled or forged steel ASTM 668

Wedge: Cast steel ASTM-A27, Grade 60-30



Babbitt sockets

Part Number	For rope size inches • mm	Rod size	Dim (A) nom inches • mm	Dim (B) nom inches • mm
BSY-12-12	1/2 • 13	M20	18 • 457	12 • 305
BSY-12-18	1/2 • 13	M20	24 • 610	18 • 457
BSY-12-24	1/2 • 13	M20	30 • 762	24 • 610
BSY-58-12	5/8 • 16	M24	19 • 483	12 • 305
BSY-58-18	5/8 • 16	M24	25 • 635	18 • 457
BSY-58-24	5/8 • 16	M24	31 • 787	24 • 610

Babbitt sockets are special order and are not normally stocked.

Shackle: Forged carbon steel per JIS S35C or S38C equivalent to SAE 1035 or 1038, hot forged then normalized and tempered

Hex nuts: ASTM A563 Grade O

Cotter pin: Steel, per ANSI B5.20



Wire Rope, Compensation and Accessories

Wedge Socket Components and Accessories

FOR WEDGE SOCKETS ON PAGE 57

Wedge socket individual components

Part Number	Size and Description inches • mm
WS-NUT-38	5/16 to 3/8 • 8 to 10 nut
WS-NUT-12	7/16 to 1/2 • 11 to 13 nut
WS-NUT-58	9/16 to 5/8 • 14 to 16 nut
WS-NUT-34	11/16 to 3/4 • 17.5 to 19 nut
WS-CPIN-38	5/16 to 3/8 • 8 to 10 cotter pin
WS-CPIN-12	7/16 to 1/2 • 11 to 13 cotter pin
WS-CPIN-58	9/16 to 5/8 • 14 to 16 cotter pin
WS-CPIN-34	11/16 to 3/4 • 17.5 to 19 cotter pin
WS-WSHR-38	5/16 to 3/8 • 8 to 10 washer
WS-WSHR-12-A	7/16 to 1/2 • 11 to 13 washer
WS-WSHR-58	9/16 to 5/8 • 14 to 16 washer
WS-WSHR-34	11/16 to 3/4 • 17.5 to 19 washer

Wedge socket wedges

Part Number	Size and Description inches • mm
WS-WEDGE-516	5/16 • 8 wedge insert (green)
WS-WEDGE-3812-A	3/8 to 1/2 • 9 to 13 wedge insert (blue)
WS-WEDGE-58	9/16 to 5/8 • 14 to 16 wedge insert (red)
WS-WEDGE-34	11/16 to 3/4 • 17.5 to 19 wedge insert (yellow)

Wedge: Cast steel ASTM-A27, Grade 60-30



Wedge socket retaining clips

Part Number	Size and Description inches • mm
WS-CLIP-38	5/16 to 3/8 • 8 to 10 rope retaining clip
WS-CLIP-1258	7/16 to 5/8 • 11 to 16 rope retaining clip
WS-CLIP-34	11/16 to 3/4 • 17.5 to 19 rope retaining clip



Pulling grips - galvanized steel with rotating eye

Part Number	For Wire Rope Diameters	Weave length	MBL kN
03302016	6.3 - 12.4 mm	660 mm	20.5 kN
03302018	2.7 - 18.8 mm	810 mm	44.4 kN
03302044	6.3 - 12.4 mm	660 mm	20.5 kN
03302046	2.7 - 18.8 mm	810 mm	44.4 kN



Use these items to maintain wire rope. See item for location in this catalog.

Rope Tensioning
System - page 61



Load weighing
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DrakaLube rope
treatment - page 60



Automatic
rope oiler - page 60

