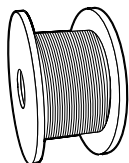


ZAPP PRECISION WIRE EXTRA HIGH STRENGTH (ZAPP EHS™) WIRELINE

ZAPP

QUALITY SYSTEM CERTIFIED TO ISO 9001:2015



EXTRA HIGH STRENGTH (ZAPP EHS™) WIRELINES:

- Zapp has developed a special process which produces exceptional break strengths.
- The Zapp EHS™ process is available for MP35N®, alloy 27-7MO, and alloy 25-6MO wirelines.
- The Zapp EHS™ process is available for all wireline sizes and lengths.

ALLOY CHEMISTRY*

Alloy	UNS	C	Mn	Cr	Ni	Mo	Cu	N	Co	Ti	Fe
25-6MO	NO8926	.02	2.0	19.0-21.0	24.0-26.0	6.0-7.0	0.5-1.5	.15-.25	-	-	bal.
27-7MO	S31277	.02	3.0	20.5-23.0	26.0-28.0	6.6-8.0	0.5-1.5	.30-.40	-	-	bal.
MP35N®	R30035	.02	0.1	19.0-21.0	33.0-37.0	9.0-10.5	-	-	BAL	1.0	1.0

* (Maximum values unless range specified)

EHS TYPICAL BREAK STRENGTH** - COMPARISON TO STANDARD STRENGTHS

Size	25-6MO	25-6MO – Zapp EHS™	27-7MO	27-7MO – Zapp EHS™	MP35N®	MP35N® – Zapp EHS™
.082"	1,175#	1,310#	1,300#	1,425#	1,300#	1,480#
.092"	1,500#	1,660#	1,650#	1,820#	1,690#	1,880#
.108"	2,130#	2,280#	2,250#	2,500#	2,300#	2,590#
.125"	2,750#	2,970#	3,000#	3,315#	3,100#	3,460#
.140"	3,250#	3,695#	3,670#	4,155#	3,725#	4,310#
.150"	3,750#	4,250#	4,155#	4,770#	4,240#	4,950#
.160"	4,250#	4,810#	4,650#	5,150#	4,825#	5,630#

** (The recommended safe work load is 60 % of typical break strength)

Alloy	Density (lb/in³)	Corrosion (PREN)*	CPT (F°)	CPT (°C)**
25-6MO	.290	47	149	65
27-7MO	.289	56	176	80
MP35N®	.309	53	183	84

* PREN = Cr + 3.3 Mo + 30 N

** CPT (C°) = 2.5 Cr + 7.6 Mo + 31.9 N - 41

For more information contact us.

WEIGHT PER FOOT (LBS.) FOR WIRELINES

Alloy	.082"	.092"	.108"	.125"	.140"	.150"	.160"
25-6MO	0.018	0.023	0.032	0.043	0.054	0.062	0.070
27-7MO	0.018	0.023	0.032	0.043	0.054	0.062	0.070
MP35N®	0.020	0.025	0.034	0.046	0.057	0.066	0.075

ZAPP PRECISION WIRE STANDARDS

1. All Zapp EHS™ wirelines are produced using shaved, defect free rod material.
2. All Zapp EHS™ wirelines must pass an eddy current test as part of our NDT quality assurance program.
3. All Zapp EHS™ wirelines must pass an aged wrap test as part of our NDT quality assurance program.
4. All Zapp EHS™ wirelines have full traceability.

ZAPP PRECISION WIRE QUALITY

The Zapp Precision Wire technology, quality, and superior wire drawing capabilities will make the difference for critical armor wire and wireline applications.

The Zapp Precision Wire quality system is registered to ISO 9001:2015.

ZAPP PRECISION WIRE

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Further information regarding our products and locations are available in our image brochure and under www.zapp.com

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