



STN Database Summary Sheet

2MOBILITY (Global Mobility Standards Database) from the Society of Automotive Engineers (SAE) is a bibliographic database that contains standards and specifications in the area of mobility engineering. Scientific and technical information is available for land, sea, air, and space vehicles. 2MOBILITY corresponds to the printed publications *SAE Ground Vehicle Standards Index*, *SAE AMS Index of Aerospace Materials Specifications*, and *SAE Aerospace Standards Index*, as well as the U.S. Code of Federal Regulations, Title 49, Chapter V, National Highway Traffic Safety Administration, and International Organization for Standardization.

Records contain bibliographic information, controlled and supplementary terms, and abstracts.

2MOBILITY may also be searched in the database cluster MOBILITY. MOBILITY consists of two databases from SAE, 1MOBILITY (see the 1MOBILITY Database Summary Sheet) and 2MOBILITY. It is recommended that these databases be searched together to enhance search results.

Subject Coverage

Standards and specifications for mobility engineering, including:

- Automation
- Emissions
- Environment
- Fuels and Lubricants
- Human Factors
- Management
- Manufacturing
- Marketing
- Materials
- Noise and Vibration
- Propulsion
- Reliability
- Research and Design
- Quality
- Safety
- Testing
- Transportation (automobiles, buses, motorcycles, helicopters, aircraft, spacecraft, trucks, and marine vehicles)

Sources

- Specifications
- Standards

File Data

- 1936 to the present
- More than 13,781 standards (8/08)
- Reloaded monthly
- Automatic current-awareness searches (SDIs) are not available

User Aids

- SAE AMS Index of Aerospace Materials Specifications (available from the producer)
- SAE Aerospace Standards Index (available from the producer)
- SAE Ground Vehicle Standards Index (available from the producer)
- 1MOBILITY Database Summary Sheet
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Database Producer

SAE International
400 Commonwealth Drive
Warrendale, PA 15096
Phone: (724) 772-7108
Fax: (724) 776-3087

In North America

CAS
STN North America
P.O. Box 3012
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Care:

Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)
Fax: 614-447-3751
E-mail: help@cas.org
Internet: www.cas.org

In Europe

FIZ Karlsruhe
STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49-7247-808-555
Fax: +49-7247-808-259
E-mail: helpdesk@fiz-karlsruhe.de
Internet: www.stn-international.de

In Japan

JAICI (Japan Association for
International Chemical Information)
STN Japan
Nakai Building
6-25-4 Honkomagome, Bunkyo-ku
Tokyo 113-0021, Japan
Phone: +81-3-5978-3601 (Technical Service)
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Fax: +81-3-5978-3600
E-mail: support@jaici.or.jp (Technical Service)
customer@jaici.or.jp (Customer Service)
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Search Display Field Codes

There are no fields that allow left truncation.

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index (contains single words from the abstract (AB), controlled Term (CT), supplementary term (ST), and title (TI) fields)	None (or /BI)	S TRUCK AND BRAKE# S PASSENGER CARS/BI S SAE(S)STANDARD	AB, CT, ST, TI
Accession Number Classification Code (1)	/AN /CC	S 2005:59/AN S SPACE/CC S "AIR OR SPACE"/CC	AN CC
Controlled Term	/CT (or /DT)	S ADHESIVE?/CT S COMPOSITE REPAIR/CT	CT
Controlled Word	/CW	S (METAL(S)REPAIR#)/CW	CT
Country of Publication (code and text)	/CY	S US/CY S UNITED STATES/CY	CY
Cross Reference	/CR	S AATCC TEST?/CR	CR
Document Number	/DN	S SAE AIR 1167/DN	DN
Document Type	/DT	S STANDARD/DT S S/DT	DT
Entry Date (2)	/ED (or /UP)	S ED>=20050411	Not displayed
Field Availability	/FA	S AB/FA	Not displayed
File Segment (code and text)	/FS	S SAE/FS S DIN/FS	FS
Language (code and text)	/LA	S EN/LA S ENGLISH/LA	LA
Publication Date (2)	/PD	S PD>20050411 AND FASTENERS/CT	SO
Publication Year (2)	/PY	S 2003-2005/PY	PY, SO
Source (contains publishing and source information, location, publication date, and publication year)	/SO	S (REG? AND SAFETY AND HIGHWAY)/SO	PD, PY, SO
Supplementary Term	/ST	S INCONEL 7?/ST	ST
Title	/TI	S BRAKE CYLINDER#/TI	TI

(1) Searching with implied (S) proximity is available in this field.

(2) Numeric search field that may be searched using numeric operators or ranges.

DISPLAY and PRINT Formats

Any combination of formats may be used to display and print answers. Multiple codes must be separated by commas or spaces, e.g., D L1 1-5 TI SO. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all displayable fields except PY. Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB AN CC CR CT CY DN DT FS LA PY (1) SO ST TC (1) TI	Abstract Accession Number Classification Code Cross Reference Controlled Term Country of Publication Document Number Document Type File Segment Language Publication Year Source Supplementary Term Treatment Code (Document Type) Title	D L4 1-4 AB D L1 3 AN D CC 5-10 D 1-3,7,8 CR D CT D CY 1-5 D L1 DN 3 D 1,3,6 DT L5 D FS D 1,4 LA D PY D SO D L3 ST D TC D TI 2
ABS ALL BIB CBIB IALL IBIB IND (1) SAM SCAN (2,3)	AB AN, DN, TI, SO, CR, CY, DT, FS, LA, AB, CC, CT, ST AN, DN, TI, SO, CY, DT, FS, LA (default) AN, DN, compressed bibliographic information ALL, indented with text labels BIB, indented with text labels CC, CT, ST TI, CC, CT, ST TI, CC, CT, ST (random display without answer number)	D 2,6 ABS D L1 ALL D BIB D 4-7 CBIB D IALL 3 D L4 IBIB 2 5 D IND L8 D 1-5 SAM D SCAN
HIT KWIC OCC (1)	Fields containing hit terms Hit term with 20 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and fields in which they occur	D HIT D KWIC D OCC

(1) Custom display only.

(2) No online display charge for this format.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

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SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers or an L-number containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y (2)	N
Accession Number	AN	Y	N
Classification Code	CC	Y	Y
Controlled Term	CT	Y	N
Country of Publication	CY	Y	Y
Cross Reference	CR	Y	N
Document Number	DN	Y	Y
Document Type	DT	Y	Y
File Segment	FS	Y	Y
Language	LA	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y (3)	Y
Supplementary Term	ST	Y	N
Title	TI	Y (default)	Y
Treatment Code	TC	Y	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.

(2) Appends /BI to the terms created by SELECT.

(3) SELECT HIT and ANALYZE HIT are not valid with this field.

Sample Records

DISPLAY IALL

ACCESSION NUMBER: 2002:32281 2MOBILITY
DOCUMENT NUMBER: SAE AMS 5844F
TITLE: Alloy, Corrosion-Resistant, Round Bars 20Cr 35Ni 35Co 10Mo
Vacuum Induction Plus Vacuum Consumable Electrode Melted
Solution Heat Treated and Work Strengthened
SOURCE: (2002 Nov 01) . SAE International, Warrendale,
Pennsylvania, USA.
CROSS REFERENCE: SAE AMS 2261; SAE MAM 2261; SAE AMS 2269; SAE AMS 2371; SAE
AMS 2750; SAE AMS 2806; ASTM E 8; ASTM E 8M; ASTM E 18;
ASTM E 112; ASTM E 354
PUB. COUNTRY: United States
DOCUMENT TYPE: Standard; (SPECIFICATION); (P)
FILE SEGMENT: SAE
LANGUAGE: English
ABSTRACT: This specification covers a corrosion-resistant alloy in
the form of bars.
These bars have been used typically for applications
requiring a combination of high strength, good
tension-tension fatigue strength, toughness, ductility, and
exceptionally good corrosion resistance after aging, but
usage is not limited to such applications.
CLASSIFICATION: Air or Space
CONTROLLED TERM: Wrought corrosion and heat resistant steels and alloys
SUPPLEMENTARY TERM: ALLOY: MP-35N

DISPLAY BIB

AN 2003:30810 2MOBILITY
DN SAE J 17
TI Latex Foam Rubbers
SO (2003 May 01) 1:11. SAE International, Warrendale, Warrendale,
Pennsylvania, USA.
CY United States
DT Standard; (STANDARD)
FS SAE
LA English

DISPLAY SCAN

TI Steel Bars and Forgings, Corrosion and Moderate Heat Resistant 15Cr 7.1Ni
2.5Mo 1.1Al
CC Air or Space
CT Wrought corrosion and heat resistant steels and alloys
ST ALLOY: PH15-7Mo