

Concrete Production

Cement Screw Feeders ES

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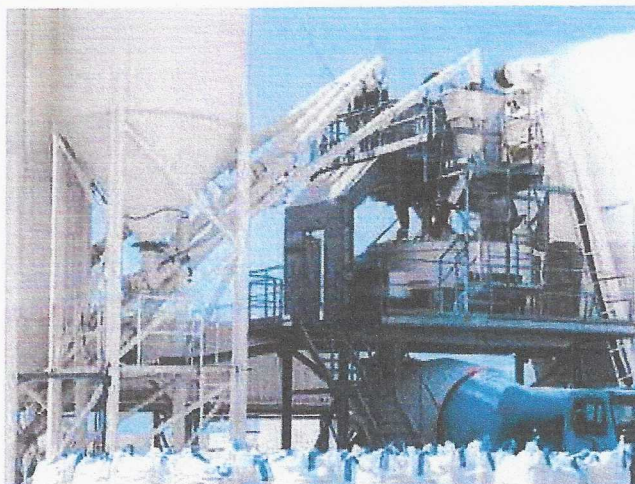


Description ▼

ES Screw Feeders are manufactured in carbon steel with a suitable surface finishing and powder coating. They are made up from a tubular trough that is equipped with at least one inlet and one outlet spout, a welded flange at each tube end, helicoid screw flighting welded on a centre pipe with a coupling bush at each end, two end bearing assemblies complete with self-adjusting shaft sealing unit (one of the bearing assemblies incorporated in the drive unit), a number of intermediate hanger bearings depending on the overall length of the machine. Furthermore, ES Screw Feeders are equipped with a gear motor that suits the application.

Function ▼

ES Screw Feeders are used for cement feeding and also in Dry Batch plants for feeding from the weigh hopper outlet into the track mixer.



Application ▼

In over forty years the ES-type Screw Feeder has become a synonym for cement feeding and conveying in concrete batching plants all over the world. In this period WAM® has supplied more than half a million units. After the turn of the new millennium it has become hard to find a batching plant manufacturer anywhere in the world who would not appreciate the unrivalled technical features and quality of the ES.

Benefits ▼

- ✓ Extremely durable;
- ✓ Maintenance-free intermediate bearings;
- ✓ Quick, versatile installation thanks to innovative ball-jointed universal inlets and outlets;
- ✓ Perfectly matching spare parts thanks to industrial manufacturing process;
- ✓ Worldwide technical support and spare parts supply.



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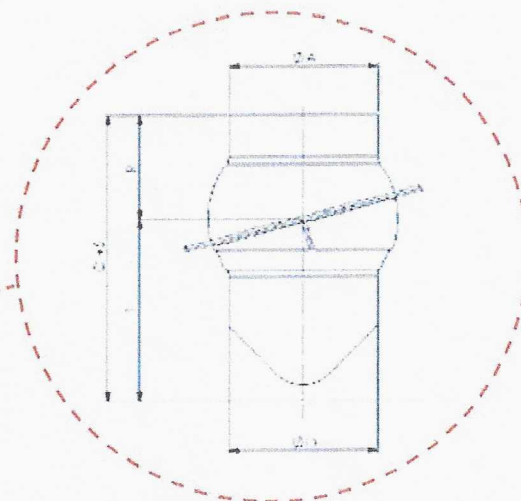
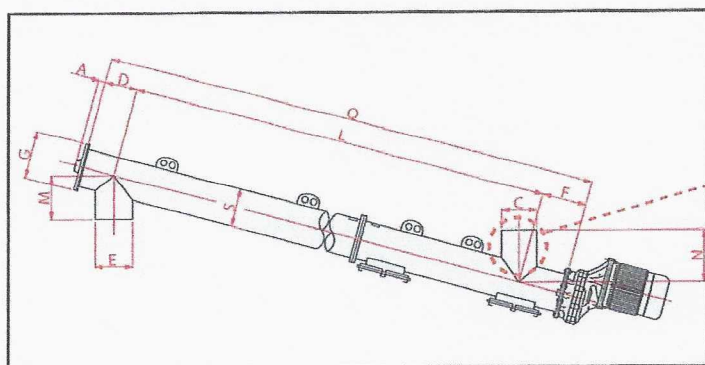
Cement Screw Feeders ES



Technical Features / Performance ▼

- ▶ Powder-coated
- ▶ 7 outside tube diameters
- ▶ Outside tube complete with welded end flanges, one inlet, one outlet, inspection hatch beneath the first inlet and beneath each intermediate hanger bearing
- ▶ Tubular housing in standardized flanged sections with one section made to measure
- ▶ Helicoid screw flighting welded on centre pipe
- ▶ End bearing assemblies complete with self-adjusting shaft sealing unit
- ▶ Splined shaft couplings
- ▶ Lifting eyelets on each tube section
- ▶ Standard flange-mounted electric motor
- ▶ Maintenance-free aluminium-cast intermediate hanger bearings with self-lubricating slide bushes
- ▶ Small diameter → great efficiency → high feed rates
- ▶ Small overall dimensions, compact design
- ▶ Reduced number of components and spare parts

Overall Dimensions ▼



Ø S	114	139	168	193	219	273	323
A	56	56	40	40	40	40	40
C	on request						
D	120	120	140	150	160	180	220
E	on request						
F	140	140	160	170	180	220	220
L	on request						
G	190	190	250	250	275	330	405
M	on request						
N	see WAM® - standard						
Q	L + D + F						

This datasheet does not show the complete range but only the models most suitable for the application.

WAM® has become the world's leader in supplying Cement Screw Conveyors and Feeders due to uncompromising dedication to research in powder handling technology, as well as constant improvement of product and manufacturing technology.

In the past forty years the ES Screw Conveyor has become synonymous with cement feeding and conveying in concrete plants all over the world. During this period WAM® have supplied more than two hundred thousand units worldwide. At the beginning of the new millennium it would be difficult to find a concrete plant operator anywhere in the world who does not appreciate the unrivalled technical features and quality of the ES.

Die Erfolgsgeschichte der ES-Zementschnecke beruht auf kontinuierlicher praxisorientierter Forschung und Entwicklung im Bereich der Schüttguttechnik und einer ständigen Verbesserung von Produkt und Produktionsmitteln.

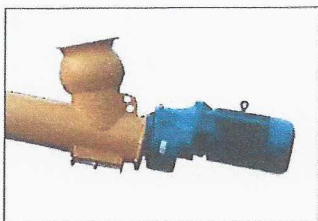
In den letzten 40 Jahren wurde die ES-Schnecke zum Synonym für Zementförderung und -dosierung in Betonaufbereitungsanlagen in aller Welt. In diesem Zeitraum hat WAM® mehr als 200.000 ES-Schnecken in alle Erdteile geliefert. Zu Beginn des dritten Jahrtausends findet sich weltweit wohl kaum ein Betonhersteller, der die hervorragenden technischen Eigenschaften und die unerreichte Qualität der ES-Schnecke nicht zu schätzen wüßte.

WAM® est devenu leader mondial dans la fourniture de transporteurs à vis à ciment grâce à la recherche et au développement constants dans le domaine de la manutention des matériaux en vrac et à l'amélioration continue du produit et de la technologie de fabrication.

Durant les 40 dernières années, la vis ES est devenue synonyme de transport et dosage du ciment dans les centrales à béton dans le monde entier. Durant cette période WAM® a fourni plus que 200.000 vis ES sur chaque continent. Au début du 3^{ème} millénaire il serait difficile de trouver un producteur de béton dans n'importe coin du monde qui n'apprécierait pas les caractéristiques techniques extraordinaires et la qualité incomparable de la vis ES.

WAM® ha raggiunto la leadership mondiale nella fornitura di trasportatori a coclea per cemento grazie alla continua ricerca e lo sviluppo nell'ambito del trattamento dei materiali in polvere e al costante miglioramento del prodotto e delle tecnologie di produzione.

Negli ultimi 40 anni la coclea ES è diventata sinonimo di estrazione e convogliamento del cemento negli impianti di betonaggio in tutto il mondo. Durante questo periodo WAM® ha fornito più di 200.000 coclee ES in ogni continente. All'inizio del 3^o millennio sarebbe difficile trovare un produttore di calcestruzzo in qualsiasi parte del mondo che non sappia apprezzare le straordinarie caratteristiche tecniche nonché la qualità imparagonabile della coclea ES.

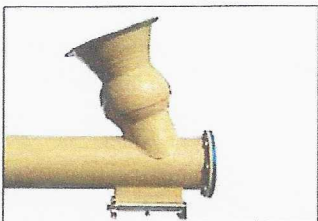


Universal Inlet Spouts

Universaleinläufe

Bouches d'entrée universelles

Bocche di carica universali

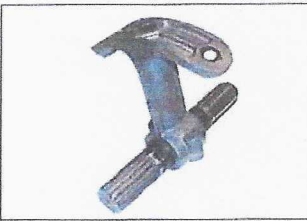


Splined Shaft Design

Evoventenkeilwellenverbindung

Arbre cannelé

Albero calettato

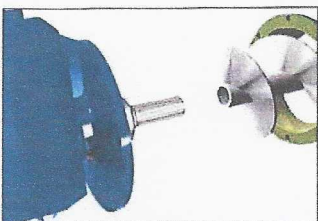


Lifting Lug

Kranöse

Oeillet

Golfaro

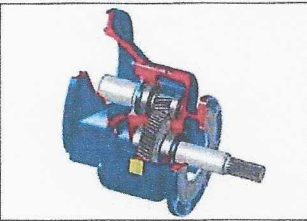


Electric Motor

Elektromotor

Moteur électrique

Motore elettrico



Gear Reduction Unit:

- Heavy-Duty Design
- Oversized Gears

Getriebe:

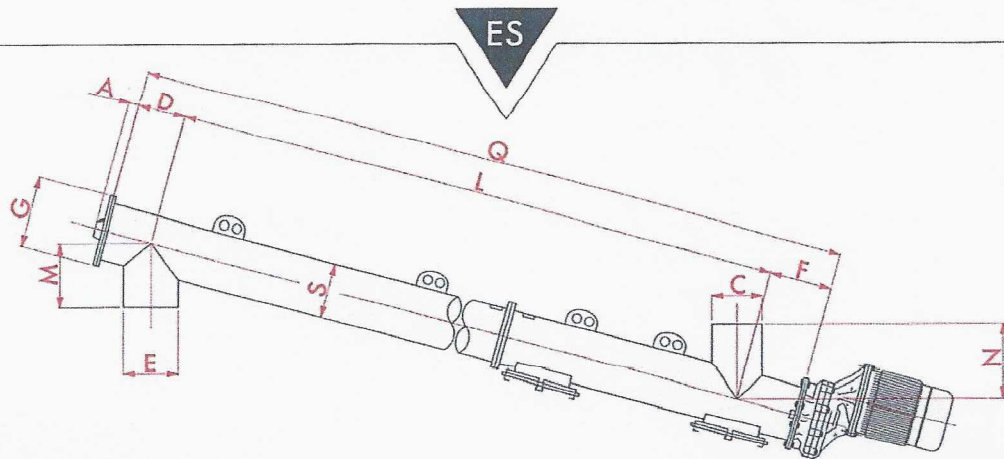
- Robuste Konstruktion
- Überdimensionierte Zahnräder

Réducteur:

- Construction pour service lourd
- Engrenages surdimensionnés

Riduttore:

- Costruzione per servizio pesante
- Ingranaggi sovradimensionati



Intermediate Bearing:

- Engineered for Minimum Product Obstruction
- Low Maintenance
- Perfect Alignment

Zwischenlager:

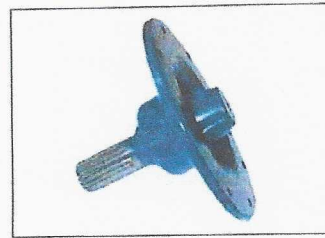
- Geringstmögliche Behinderung des Materialflusses
- Geringer Wartungsaufwand
- Perfekte Zentrierung

Palier intermédiaire:

- Construit pour offrir obstruction minimum
- Maintenance minimum
- Alignement optimal

Supporto intermedio:

- Costruito per offrire ostruzione minima
- Manutenzione minima
- Allineamento ottimale



Outlet end Bearing with Splined Shaft Coupling:

- Quick Installation
- Low Maintenance

Auslauflager mit Evolventenkeilwellenverbindung:

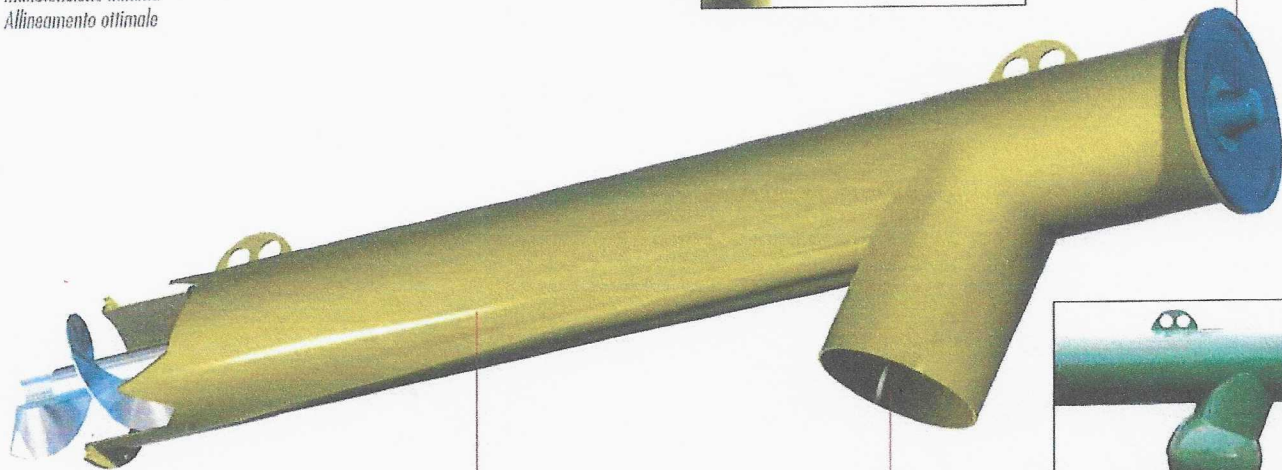
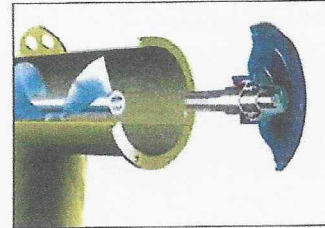
- Schneller Einbau
- Geringer Wartungsaufwand

Support palier de sortie:

- Installation rapide
- Maintenance minimum

Testata di scarico con accoppiamento calottato:

- Installazione veloce
- Minima manutenzione



Standard Inspection Hatch

Inspektionsklappe serienmäßig

Trappe de visite standard

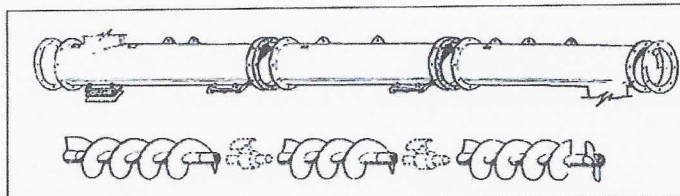
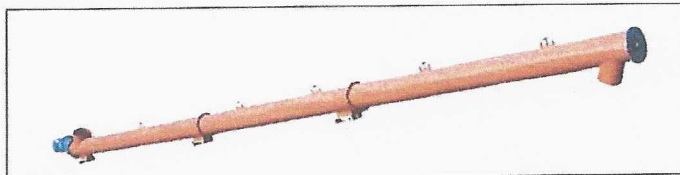
Boccaporto di ispezione standard

Shot-Blasting and Powder-Coating Finish

Finish: Stahlstrahlen und Pulverbeschichtung

Sablage et peinture à poudre

Granigliatura e verniciatura a polvere



Modular Design:

- Ease of Shipping
- Ease of On-Site Assembly

Modulbauweise:

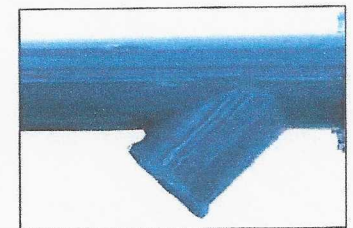
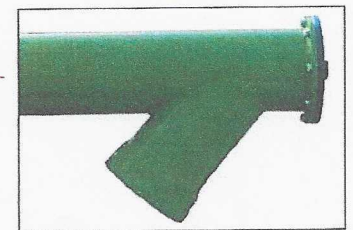
- Transportfreundlich
- Einfache Vor-Ort-Montage

Construction modulaire:

- Facile à transporter
- Facile à monter sur chantier

Costruzione modulare:

- Facile a trasportare
- Facile a montare in cantiere



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N	see WAM - standard siehe WAM - Norm						
Q	L + D + E						

Dimensions in mm

TRADUÇÃO CATÁLOGO:

ALIMENTADORES DE ROSCA PARA CIMNETO – ES.

DESCRIÇÃO:

As roscas alimentadoras ES são fabricadas em aço carbono com acabamento superficial adequado e pintura a pó. São constituídos por uma calha tubular equipada com pelo menos uma boca de entrada e uma boca de saída, uma boca soldada em cada extremidade do tubo, rosca helicoidal soldada no centro do tubo com uma bucha de acoplamento em cada extremidade, dois conjuntos de mancais de extremidade completos com unidade de vedação de eixo auto ajustável, vários rolamentos suspensores intermediários dependendo do comprimento total da máquina. Além disso, os alimentadores de rosca ES são equipados com um moto-redutor adequado à aplicação.

FUNÇÃO:

Os alimentadores de rosca ES são usados para alimentação de cimento e também em pastas de lotes secos para a alimentação de tremonha de pesagem para o misturador de esteira.

APLICAÇÃO:

Em mais de 40 anos, a rosca alimentadora tipo ES tornou-se sinônimo de alimentação e transporte de cimento em centrais dosadoras de concreto em todo o mundo. Neste período a WAM forneceu mais de meio milhão de unidades.

BENEFÍCIOS:

- . Extrema durabilidade.
- . Rolamentos intermediários isentos de manutenção.
- . Instalação rápida e versátil graças a inovadoras entradas e saídas universais com juntas esféricas.
- . Peças de reposição perfeitamente compatíveis graças ao processo de fabricação industrial.
- . Suporte técnico mundial e fornecimento de peças sobressalentes.

PERFORMANCE:

- . Revestido a pó.
- . 7 diâmetros externos de tubo.
- . Tubo externo completo com flanges terminais soldados, uma entrada e uma saída, escotilha de inspeção abaixo da primeira entrada e abaixo de cada rolamento de suspensão intermediário.
- . Carcaça tubular em seções flangeadas padronizadas com uma seção feita sob medida.
- . Rosca helicoidal soldada no tubo central
- . Conjuntos de rolamentos finais completos com unidade de vedação do eixo auto ajustável.
- . Acoplamentos de eixo estriado
- . Ilhós de levantamento em cada seção do tubo.
- . Motor elétrico montado em flange padrão.
- . Rolamentos suspensos intermediários em alumínio fundido isentos de manutenção com buchas deslizantes auto lubrificantes.
- . Diâmetro pequeno – grande eficiência – altas taxas de avanço.
- . Pequenas dimensões gerais, design compacto
- . Número reduzido de componentes e peças de reposição.